API Reference

AWS Config

API Version 2014-11-12

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AWS Config: API Reference

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Welcome

AWS Config provides a way to keep track of the configurations of all the AWS resources associated with your AWS account. You can use AWS Config to get the current and historical configurations of each AWS resource and also to get information about the relationship between the resources. An AWS resource can be an Amazon Compute Cloud (Amazon EC2) instance, an Elastic Block Store (EBS) volume, an elastic network Interface (ENI), or a security group. For a complete list of resources currently supported by AWS Config, see Supported AWS resources.

You can access and manage AWS Config through the AWS Management Console, the AWS Command Line Interface (AWS CLI), the AWS Config API, or the AWS SDKs for AWS Config. This reference guide contains documentation for the AWS Config API and the AWS CLI commands that you can use to manage AWS Config. The AWS Config API uses the Signature Version 4 protocol for signing requests. For more information about how to sign a request with this protocol, see Signature Version 4 Signing Process. For detailed information about AWS Config features and their associated actions or commands, as well as how to work with AWS Management Console, see What Is AWS Config in the *AWS Config Developer Guide*.

Configuration Recorder

Use the following APIs for the AWS Config configuration recorder:

- DescribeConfigurationRecorders, returns the details for the specified configuration recorders.
- DescribeConfigurationRecorderStatus, returns the current status of the specified configuration recorder.
- DeleteConfigurationRecorder, deletes the configuration recorder.
- PutConfigurationRecorder, creates a new configuration recorder to record configuration changes for specified resource types.
- StartConfigurationRecorder, starts recording configurations of the AWS resources you have selected to record in your AWS account.
- StopConfigurationRecorder, stops recording configurations of the AWS resources you have selected to record in your AWS account.

Delivery Channel

Use the following APIs for the AWS Config delivery channel:

- DeliverConfigSnapshot, schedules delivery of a configuration snapshot to the Amazon S3 bucket in the specified delivery channel.
- DescribeDeliveryChannels, returns details about the specified delivery channel.
- DescribeDeliveryChannelStatus, returns the current status of the specified delivery channel.
- DeleteDeliveryChannel, deletes the delivery channel.
- PutDeliveryChannel, creates a delivery channel object to deliver configuration information and other compliance notifications to an Amazon S3 bucket and Amazon SNS topic.

Resource Management

Use the following APIs for AWS Config resource management:

- BatchGetResourceConfig, returns the `BaseConfigurationItem` for one or more requested resources.
- DeleteResourceConfig, records the configuration state for a custom resource that has been deleted.
- DeleteRetentionConfiguration, deletes the retention configuration.
- DeliverConfigSnapshot, schedules delivery of a configuration snapshot to the Amazon S3 bucket in the specified delivery channel.
- DescribeRetentionConfigurations, returns the details of one or more retention configurations.
- GetDiscoveredResourceCounts, returns the resource types, the number of each resource type, and the total number of resources that AWS Config is recording in this region for your AWS account.
- GetResourceConfigHistory, returns a list of `ConfigurationItems` for the specified resource.
- ListDiscoveredResources, accepts a resource type and returns a list of resource identifiers for the resources of that type.
- ListTagsForResource, list the tags for AWS Config resource.
- PutResourceConfig, records the configuration state for the resource provided in the request.
- PutRetentionConfiguration, creates and updates the retention configuration with details about retention period (number of days) that AWS Config stores your historical information.
- TagResource, associates the specified tags to a resource with the specified resourceArn.
- UntagResource, deletes specified tags from a resource.

AWS Config Rules

Use the following APIs for AWS Config Rules:

- DeleteConfigRule, deletes the specified AWS Config rule and all of its evaluation results.
- DeleteEvaluationResults, deletes the evaluation results for the specified AWS Config rule.
- DeleteOrganizationConfigRule, deletes the specified organization AWS Config rule and all of its evaluation results from all member accounts in that organization.
- DescribeComplianceByConfigRule, indicates whether the specified AWS Config rules are compliant.
- DescribeComplianceByResource, indicates whether the specified AWS resources are compliant.
- DescribeConfigRuleEvaluationStatus, returns status information for each of your AWS Config managed rules.
- DescribeConfigRules, returns details about your AWS Config rules.
- DescribeOrganizationConfigRules, returns a list of organization AWS Config rules.
- DescribeOrganizationConfigRuleStatuses, provides organization AWS Config rule deployment status for an organization.
- GetComplianceDetailsByConfigRule, returns the evaluation results for the specified AWS Config rule.
- GetComplianceDetailsByResource, returns the evaluation results for the specified AWS resource.
- GetComplianceSummaryByConfigRule, returns the number of AWS Config rules that are compliant and noncompliant, up to a maximum of 25 for each.
- GetComplianceSummaryByResourceType, returns the number of resources that are compliant and the number that are noncompliant.
- GetCustomRulePolicy, returns the policy definition containing the logic for your AWS Config Custom Policy rule.
- GetOrganizationConfigRuleDetailedStatus, returns detailed status for each member account within an organization for a given organization AWS Config rule.
- GetOrganizationCustomRulePolicy, returns the metadata, the rule name, and the policy definition containing the logic for your organization AWS Config Custom Policy rule.
- GetResourceEvaluationSummary, returns a summary of resource evaluation for the specified resource evaluation ID from the proactive rules that were run.
- ListResourceEvaluations, returns a list of proactive resource evaluations.

- PutConfigRule, adds or updates an AWS Config rule for evaluating whether your AWS resources comply with your desired configurations.
- PutEvaluations, used by an AWS Lambda function to deliver evaluation results to AWS Config.
- PutOrganizationConfigRule, adds or updates organization AWS Config rule for your entire organization evaluating whether your AWS resources comply with your desired configurations.
- StartConfigRulesEvaluation, runs an on-demand evaluation for the specified AWS Config rules against the last known configuration state of the resources.
- StartResourceEvaluation, runs an on-demand evaluation for the specified resource to determine whether the resource details will comply with configured AWS Config rules.

Remediation

Use the following APIs for AWS Config remediation actions:

- DeleteRemediationConfiguration, deletes the remediation configuration.
- DeleteRemediationExceptions, deletes one or more remediation exceptions mentioned in the resource keys.
- DescribeRemediationConfigurations, returns the details of one or more remediation configurations.
- DescribeRemediationExceptions, returns the details of one or more remediation exceptions.
- DescribeRemediationExecutionStatus, provides a detailed view of a Remediation Execution for a set of resources including state, timestamps for when steps for the remediation execution occur, and any error messages for steps that have failed.
- PutRemediationConfigurations, adds or updates the remediation configuration with a specific AWS Config rule with the selected target or action.
- PutRemediationExceptions, adds a new exception or updates an exisiting exception for a specific resource with a specific AWS Config rule.
- StartRemediationExecution, runs an on-demand remediation for the specified AWS Config rules against the last known remediation configuration.

Conformance Packs

Use the following APIs for conformance packs:

- DeleteConformancePack, deletes the specified conformance pack and all the AWS Config rules and all evaluation results within that conformance pack.
- DeleteOrganizationConformancePack, deletes the specified organization conformance pack and all of the AWS Config rules and remediation actions from all member accounts in that organization.
- DescribeConformancePackCompliance, returns compliance information for each rule in that conformance pack.
- DescribeConformancePacks, returns a list of one or more conformance packs.
- DescribeConformancePackStatus, provides one or more conformance packs deployment status.
- DescribeOrganizationConformancePacks, returns a list of organization conformance packs.
- DescribeOrganizationConformancePackStatuses, provides organization conformance pack deployment status for an organization.
- GetConformancePackComplianceDetails, returns compliance details of a conformance pack for all AWS resources that are monitered by conformance pack.
- GetConformancePackComplianceSummary, returns compliance information for the conformance pack based on the cumulative compliance results of all the rules in that conformance pack.
- GetOrganizationConformancePackDetailedStatus, returns detailed status for each member account within an organization for a given organization conformance pack.
- ListConformancePackComplianceScores, returns a list of conformance pack compliance scores.
- PutConformancePack, creates or updates a conformance pack.
- PutOrganizationConformancePack, deploys conformance packs across member accounts in an AWS Organization.
- PutExternalEvaluation, add or updates the evaluations for process checks.

Aggregators

Use the following APIs for multi-account multi-Region data aggregation:

- BatchGetAggregateResourceConfig, returns the current configuration items for resources that are present in your AWS Config aggregator.
- DeleteAggregationAuthorization, deletes the authorization granted to the specified configuration aggregator account in a specified region.
- DeleteConfigurationAggregator, deletes the specified configuration aggregator and the aggregated data associated with the aggregator.

- DeletePendingAggregationRequest, deletes pending authorization requests for a specified aggregator account in a specified region.
- DescribeAggregateComplianceByConfigRules, returns a list of compliant and noncompliant rules with the number of resources for compliant and noncompliant rules.
- DescribeAggregateComplianceByConformancePacks, returns a list of the conformance packs and their associated compliance status with the count of compliant and noncompliant AWS Config rules within each conformance pack.
- DescribeAggregationAuthorizations, returns a list of authorizations granted to various aggregator accounts and regions.
- DescribeConfigurationAggregators, returns the details of one or more configuration aggregators. If the configuration aggregator is not specified, this action returns the details for all the configuration aggregators associated with the account.
- DescribeConfigurationAggregatorSourcesStatus, returns status information for sources within an aggregator. The status includes information about the last time AWS Config verified authorization between the source account and an aggregator account.
- DescribePendingAggregationRequests, returns a list of all pending aggregation requests.
- GetAggregateConformancePackComplianceSummary, returns the count of compliant and noncompliant conformance packs across all AWS accounts and AWS Regions in an aggregator.
- GetAggregateComplianceDetailsByConfigRule, returns the evaluation results for the specified AWS Config rule for a specific resource in a rule. The results indicate which AWS resources were evaluated by the rule, when each resource was last evaluated, and whether each resource complies with the rule.
- GetAggregateConfigRuleComplianceSummary, returns the number of compliant and noncompliant rules for one or more accounts and regions in an aggregator.
- GetAggregateDiscoveredResourceCounts, returns the resource counts across accounts and regions that are present in your AWS Config aggregator.
- GetAggregateResourceConfig, returns configuration item that is aggregated for your specific resource in a specific source account and region.
- ListAggregateDiscoveredResources, accepts a resource type and returns a list of resource identifiers that are aggregated for a specific resource type across accounts and regions.
- PutAggregationAuthorization, authorizes the aggregator account and region to collect data from the source account and region.
- PutConfigurationAggregator, creates and updates the configuration aggregator with the selected source accounts and regions.

Advanced Queries

Use the following APIs for AWS Config:

- SelectAggregateResourceConfig, accepts a structured query language (SQL) SELECT command and an aggregator to query configuration state of AWS resources across multiple accounts and regions.
- SelectResourceConfig, accepts a structured query language (SQL) SELECT command, performs the corresponding search, and returns resource configurations matching the properties.
- PutStoredQuery, saves a new query or updates an existing saved query.
- GetStoredQuery, returns the details of a specific stored query.
- ListStoredQueries, lists the stored queries for a single AWS account and a single AWS Region.
- DeleteStoredQuery, deletes the stored query for a single AWS account and a single AWS Region.

This document was last published on April 16, 2024.

Actions

The following actions are supported:

- BatchGetAggregateResourceConfig
- BatchGetResourceConfig
- DeleteAggregationAuthorization
- DeleteConfigRule
- DeleteConfigurationAggregator
- DeleteConfigurationRecorder
- DeleteConformancePack
- DeleteDeliveryChannel
- DeleteEvaluationResults
- DeleteOrganizationConfigRule
- DeleteOrganizationConformancePack
- DeletePendingAggregationRequest
- DeleteRemediationConfiguration
- DeleteRemediationExceptions
- DeleteResourceConfig
- DeleteRetentionConfiguration
- DeleteStoredQuery
- DeliverConfigSnapshot
- DescribeAggregateComplianceByConfigRules
- DescribeAggregateComplianceByConformancePacks
- DescribeAggregationAuthorizations
- DescribeComplianceByConfigRule
- DescribeComplianceByResource
- DescribeConfigRuleEvaluationStatus
- DescribeConfigRules
- DescribeConfigurationAggregators
- DescribeConfigurationAggregatorSourcesStatus

- DescribeConfigurationRecorders
- DescribeConfigurationRecorderStatus
- DescribeConformancePackCompliance
- DescribeConformancePacks
- DescribeConformancePackStatus
- DescribeDeliveryChannels
- DescribeDeliveryChannelStatus
- DescribeOrganizationConfigRules
- DescribeOrganizationConfigRuleStatuses
- DescribeOrganizationConformancePacks
- DescribeOrganizationConformancePackStatuses
- DescribePendingAggregationRequests
- DescribeRemediationConfigurations
- DescribeRemediationExceptions
- DescribeRemediationExecutionStatus
- DescribeRetentionConfigurations
- GetAggregateComplianceDetailsByConfigRule
- GetAggregateConfigRuleComplianceSummary
- GetAggregateConformancePackComplianceSummary
- GetAggregateDiscoveredResourceCounts
- GetAggregateResourceConfig
- GetComplianceDetailsByConfigRule
- GetComplianceDetailsByResource
- GetComplianceSummaryByConfigRule
- GetComplianceSummaryByResourceType
- GetConformancePackComplianceDetails
- GetConformancePackComplianceSummary
- GetCustomRulePolicy
- GetDiscoveredResourceCounts
- GetOrganizationConfigRuleDetailedStatus

- GetOrganizationConformancePackDetailedStatus
- GetOrganizationCustomRulePolicy
- GetResourceConfigHistory
- GetResourceEvaluationSummary
- GetStoredQuery
- ListAggregateDiscoveredResources
- ListConformancePackComplianceScores
- ListDiscoveredResources
- ListResourceEvaluations
- ListStoredQueries
- ListTagsForResource
- PutAggregationAuthorization
- PutConfigRule
- PutConfigurationAggregator
- PutConfigurationRecorder
- PutConformancePack
- PutDeliveryChannel
- PutEvaluations
- PutExternalEvaluation
- PutOrganizationConfigRule
- PutOrganizationConformancePack
- PutRemediationConfigurations
- PutRemediationExceptions
- PutResourceConfig
- PutRetentionConfiguration
- PutStoredQuery
- SelectAggregateResourceConfig
- SelectResourceConfig
- StartConfigRulesEvaluation
- StartConfigurationRecorder

- StartRemediationExecution
- StartResourceEvaluation
- StopConfigurationRecorder
- TagResource
- UntagResource

BatchGetAggregateResourceConfig

Returns the current configuration items for resources that are present in your AWS Config aggregator. The operation also returns a list of resources that are not processed in the current request. If there are no unprocessed resources, the operation returns an empty `unprocessedResourceIdentifiers` list.

Note

- The API does not return results for deleted resources.
- The API does not return tags and relationships.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "ResourceIdentifiers": [
      {
         "ResourceId": "string",
         "ResourceName": "string",
         "ResourceType": "string",
         "SourceAccountId": "string",
         "SourceRegion": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

ResourceIdentifiers

A list of aggregate ResourceIdentifiers objects.

Type: Array of AggregateResourceIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
{
   "BaseConfigurationItems": [
      {
         "accountId": "string",
         "arn": "string",
         "availabilityZone": "string",
         "awsRegion": "string",
         "configuration": "string",
         "configurationItemCaptureTime": number,
         "configurationItemDeliveryTime": number,
         "configurationItemStatus": "string",
         "configurationStateId": "string",
         "recordingFrequency": "string",
         "resourceCreationTime": number,
         "resourceId": "string",
         "resourceName": "string",
         "resourceType": "string",
         "supplementaryConfiguration": {
            "string" : "string"
         },
         "version": "string"
      }
   ],
   "UnprocessedResourceIdentifiers": [
      {
```

```
            "ResourceId": "string",
            "ResourceName": "string",
            "ResourceType": "string",
            "SourceAccountId": "string",
            "SourceRegion": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BaseConfigurationItems

A list that contains the current configuration of one or more resources.

Type: Array of BaseConfigurationItem objects

UnprocessedResourceIdentifiers

A list of resource identifiers that were not processed with current scope. The list is empty if all the resources are processed.

Type: Array of AggregateResourceIdentifier objects

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

BatchGetResourceConfig

Returns the `BaseConfigurationItem` for one or more requested resources. The operation also returns a list of resources that are not processed in the current request. If there are no unprocessed resources, the operation returns an empty unprocessedResourceKeys list.

Note

- The API does not return results for deleted resources.
- The API does not return any tags for the requested resources. This information is filtered out of the supplementaryConfiguration section of the API response.

Request Syntax

```
{
   "resourceKeys": [
      {
         "resourceId": "string",
         "resourceType": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

resourceKeys

A list of resource keys to be processed with the current request. Each element in the list consists of the resource type and resource ID.

Type: Array of ResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
{
   "baseConfigurationItems": [
      {
         "accountId": "string",
         "arn": "string",
         "availabilityZone": "string",
         "awsRegion": "string",
         "configuration": "string",
         "configurationItemCaptureTime": number,
         "configurationItemDeliveryTime": number,
         "configurationItemStatus": "string",
         "configurationStateId": "string",
         "recordingFrequency": "string",
         "resourceCreationTime": number,
         "resourceId": "string",
         "resourceName": "string",
         "resourceType": "string",
         "supplementaryConfiguration": {
            "string" : "string"
         },
         "version": "string"
      }
   ],
   "unprocessedResourceKeys": [
      {
         "resourceId": "string",
         "resourceType": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

baseConfigurationItems

A list that contains the current configuration of one or more resources.

Type: Array of BaseConfigurationItem objects

unprocessedResourceKeys

A list of resource keys that were not processed with the current response. The unprocessesResourceKeys value is in the same form as ResourceKeys, so the value can be directly provided to a subsequent BatchGetResourceConfig operation. If there are no unprocessed resource keys, the response contains an empty unprocessedResourceKeys list.

Type: Array of ResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoAvailableConfigurationRecorderException

There are no configuration recorders available to provide the role needed to describe your resources. Create a configuration recorder.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteAggregationAuthorization

Deletes the authorization granted to the specified configuration aggregator account in a specified region.

Request Syntax

```
{
   "AuthorizedAccountId": "string",
   "AuthorizedAwsRegion": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AuthorizedAccountId

The 12-digit account ID of the account authorized to aggregate data.

Type: String

Pattern: \d{12}

Required: Yes

AuthorizedAwsRegion

The region authorized to collect aggregated data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteConfigRule

Deletes the specified AWS Config rule and all of its evaluation results.

AWS Config sets the state of a rule to `DELETING` until the deletion is complete. You cannot update a rule while it is in this state. If you make a `PutConfigRule` or `DeleteConfigRule` request for the rule, you will receive a `ResourceInUseException`.

You can check the state of a rule by using the `DescribeConfigRules` request.

> **Note**
>
> **Recommendation: Stop recording resource compliance before deleting rules**
> It is highly recommended that you stop recording for the `AWS::Config::ResourceCompliance` resource type before you delete rules in your account. Deleting rules creates CIs for `AWS::Config::ResourceCompliance` and can affect your AWS Config configuration recorder costs. If you are deleting rules which evaluate a large number of resource types, this can lead to a spike in the number of CIs recorded.
> Best practice:
>
> 1. Stop recording `AWS::Config::ResourceCompliance`
> 2. Delete rule(s)
> 3. Turn on recording for `AWS::Config::ResourceCompliance`

Request Syntax

```
{
   "ConfigRuleName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The name of the AWS Config rule that you want to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.
- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.

- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteConfigurationAggregator

Deletes the specified configuration aggregator and the aggregated data associated with the aggregator.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteConfigurationRecorder

Deletes the configuration recorder.

After the configuration recorder is deleted, AWS Config will not record resource configuration changes until you create a new configuration recorder.

This action does not delete the configuration information that was previously recorded. You will be able to access the previously recorded information by using the `GetResourceConfigHistory` action, but you will not be able to access this information in the AWS Config console until you create a new configuration recorder.

Request Syntax

```
{
   "ConfigurationRecorderName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationRecorderName

The name of the configuration recorder to be deleted. You can retrieve the name of your configuration recorder by using the `DescribeConfigurationRecorders` action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigurationRecorderException

You have specified a configuration recorder that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteConformancePack

Deletes the specified conformance pack and all the AWS Config rules, remediation actions, and all evaluation results within that conformance pack.

AWS Config sets the conformance pack to `DELETE_IN_PROGRESS` until the deletion is complete. You cannot update a conformance pack while it is in this state.

Request Syntax

```
{
   "ConformancePackName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConformancePackName

Name of the conformance pack you want to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConformancePackException

You specified one or more conformance packs that do not exist.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.
- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteDeliveryChannel

Deletes the delivery channel.

Before you can delete the delivery channel, you must stop the configuration recorder by using the StopConfigurationRecorder action.

Request Syntax

```
{
   "DeliveryChannelName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DeliveryChannelName

The name of the delivery channel to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

LastDeliveryChannelDeleteFailedException

You cannot delete the delivery channel you specified because the configuration recorder is running.

HTTP Status Code: 400

NoSuchDeliveryChannelException

You have specified a delivery channel that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteEvaluationResults

Deletes the evaluation results for the specified AWS Config rule. You can specify one AWS Config rule per request. After you delete the evaluation results, you can call the StartConfigRulesEvaluation API to start evaluating your AWS resources against the rule.

Request Syntax

```
{
   "ConfigRuleName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The name of the AWS Config rule for which you want to delete the evaluation results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.
- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteOrganizationConfigRule

Deletes the specified organization AWS Config rule and all of its evaluation results from all member accounts in that organization.

Only a management account and a delegated administrator account can delete an organization AWS Config rule. When calling this API with a delegated administrator, you must ensure AWS Organizations `ListDelegatedAdministrator` permissions are added.

AWS Config sets the state of a rule to DELETE_IN_PROGRESS until the deletion is complete. You cannot update a rule while it is in this state.

Request Syntax

```
{
   "OrganizationConfigRuleName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

OrganizationConfigRuleName

The name of organization AWS Config rule that you want to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.*\S.*`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchOrganizationConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an organization AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.

- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteOrganizationConformancePack

Deletes the specified organization conformance pack and all of the AWS Config rules and remediation actions from all member accounts in that organization.

Only a management account or a delegated administrator account can delete an organization conformance pack. When calling this API with a delegated administrator, you must ensure AWS Organizations `ListDelegatedAdministrator` permissions are added.

AWS Config sets the state of a conformance pack to DELETE_IN_PROGRESS until the deletion is complete. You cannot update a conformance pack while it is in this state.

Request Syntax

```
{
   "OrganizationConformancePackName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

OrganizationConformancePackName

The name of organization conformance pack that you want to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchOrganizationConformancePackException

AWS Config organization conformance pack that you passed in the filter does not exist.

For DeleteOrganizationConformancePack, you tried to delete an organization conformance pack that does not exist.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.

- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeletePendingAggregationRequest

Deletes pending authorization requests for a specified aggregator account in a specified region.

Request Syntax

```
{
   "RequesterAccountId": "string",
   "RequesterAwsRegion": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RequesterAccountId

The 12-digit account ID of the account requesting to aggregate data.

Type: String

Pattern: \d{12}

Required: Yes

RequesterAwsRegion

The region requesting to aggregate data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteRemediationConfiguration

Deletes the remediation configuration.

Request Syntax

```
{
   "ConfigRuleName": "string",
   "ResourceType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The name of the AWS Config rule for which you want to delete remediation configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

ResourceType

The type of a resource.

Type: String

Required: No

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.
- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:
  - You do not have permission to call IAM `GetRole` action or create a service-linked role.
  - You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchRemediationConfigurationException

You specified an AWS Config rule without a remediation configuration.

HTTP Status Code: 400

RemediationInProgressException

Remediation action is in progress. You can either cancel execution in AWS Systems Manager or wait and try again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteRemediationExceptions

Deletes one or more remediation exceptions mentioned in the resource keys.

> **Note**
>
> AWS Config generates a remediation exception when a problem occurs executing a remediation action to a specific resource. Remediation exceptions blocks auto-remediation until the exception is cleared.

Request Syntax

```
{
   "ConfigRuleName": "string",
   "ResourceKeys": [
      {
         "ResourceId": "string",
         "ResourceType": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The name of the AWS Config rule for which you want to delete remediation exception configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

ResourceKeys

An exception list of resource exception keys to be processed with the current request. AWS Config adds exception for each resource key. For example, AWS Config adds 3 exceptions for 3 resource keys.

Type: Array of RemediationExceptionResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
{
   "FailedBatches": [
      {
         "FailedItems": [
            {
               "ResourceId": "string",
               "ResourceType": "string"
            }
         ],
         "FailureMessage": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailedBatches

Returns a list of failed delete remediation exceptions batch objects. Each object in the batch consists of a list of failed items and failure messages.

Type: Array of FailedDeleteRemediationExceptionsBatch objects

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchRemediationExceptionException

You tried to delete a remediation exception that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteResourceConfig

Records the configuration state for a custom resource that has been deleted. This API records a new ConfigurationItem with a ResourceDeleted status. You can retrieve the ConfigurationItems recorded for this resource in your AWS Config History.

Request Syntax

```
{
   "ResourceId": "string",
   "ResourceType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceId

Unique identifier of the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: Yes

ResourceType

The type of the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 196.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoRunningConfigurationRecorderException

There is no configuration recorder running.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteRetentionConfiguration

Deletes the retention configuration.

Request Syntax

```
{
   "RetentionConfigurationName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RetentionConfigurationName

The name of the retention configuration to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchRetentionConfigurationException

You have specified a retention configuration that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteStoredQuery

Deletes the stored query for a single AWS account and a single AWS Region.

Request Syntax

```
{
   "QueryName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

QueryName

The name of the query that you want to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9-_]+$`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

ResourceNotFoundException

You have specified a resource that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeliverConfigSnapshot

Schedules delivery of a configuration snapshot to the Amazon S3 bucket in the specified delivery channel. After the delivery has started, AWS Config sends the following notifications using an Amazon SNS topic that you have specified.

- Notification of the start of the delivery.
- Notification of the completion of the delivery, if the delivery was successfully completed.
- Notification of delivery failure, if the delivery failed.

Request Syntax

```
{
   "deliveryChannelName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

deliveryChannelName

The name of the delivery channel through which the snapshot is delivered.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Response Syntax

```
{
   "configSnapshotId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

configSnapshotId

The ID of the snapshot that is being created.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

NoAvailableConfigurationRecorderException

There are no configuration recorders available to provide the role needed to describe your resources. Create a configuration recorder.

HTTP Status Code: 400

NoRunningConfigurationRecorderException

There is no configuration recorder running.

HTTP Status Code: 400

NoSuchDeliveryChannelException

You have specified a delivery channel that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeAggregateComplianceByConfigRules

Returns a list of compliant and noncompliant rules with the number of resources for compliant and noncompliant rules. Does not display rules that do not have compliance results.

> **Note**
>
> The results can return an empty result page, but if you have a `nextToken`, the results are displayed on the next page.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "Filters": {
      "AccountId": "string",
      "AwsRegion": "string",
      "ComplianceType": "string",
      "ConfigRuleName": "string"
   },
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Filters

Filters the results by ConfigRuleComplianceFilters object.

Type: ConfigRuleComplianceFilters object

Required: No

Limit

The maximum number of evaluation results returned on each page. The default is maximum. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "AggregateComplianceByConfigRules": [
      {
         "AccountId": "string",
         "AwsRegion": "string",
         "Compliance": {
            "ComplianceContributorCount": {
               "CapExceeded": boolean,
               "CappedCount": number
            },
            "ComplianceType": "string"
```

```
        },
        "ConfigRuleName": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregateComplianceByConfigRules

Returns a list of AggregateComplianceByConfigRule object.

Type: Array of AggregateComplianceByConfigRule objects

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeAggregateComplianceByConformancePacks

Returns a list of the conformance packs and their associated compliance status with the count of compliant and noncompliant AWS Config rules within each conformance pack. Also returns the total rule count which includes compliant rules, noncompliant rules, and rules that cannot be evaluated due to insufficient data.

> **Note**
>
> The results can return an empty result page, but if you have a `nextToken`, the results are displayed on the next page.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "Filters": {
      "AccountId": "string",
      "AwsRegion": "string",
      "ComplianceType": "string",
      "ConformancePackName": "string"
   },
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Filters

Filters the result by `AggregateConformancePackComplianceFilters` object.

Type: AggregateConformancePackComplianceFilters object

Required: No

Limit

The maximum number of conformance packs compliance details returned on each page. The default is maximum. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "AggregateComplianceByConformancePacks": [
      {
         "AccountId": "string",
         "AwsRegion": "string",
         "Compliance": {
            "ComplianceType": "string",
            "CompliantRuleCount": number,
            "NonCompliantRuleCount": number,
            "TotalRuleCount": number
```

```
        },
        "ConformancePackName": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregateComplianceByConformancePacks

Returns the `AggregateComplianceByConformancePack` object.

Type: Array of AggregateComplianceByConformancePack objects

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeAggregationAuthorizations

Returns a list of authorizations granted to various aggregator accounts and regions.

Request Syntax

```
{
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Limit

The maximum number of AggregationAuthorizations returned on each page. The default is maximum. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "AggregationAuthorizations": [
```

```
      {
         "AggregationAuthorizationArn": "string",
         "AuthorizedAccountId": "string",
         "AuthorizedAwsRegion": "string",
         "CreationTime": number
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregationAuthorizations

Returns a list of authorizations granted to various aggregator accounts and regions.

Type: Array of AggregationAuthorization objects

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeComplianceByConfigRule

Indicates whether the specified AWS Config rules are compliant. If a rule is noncompliant, this action returns the number of AWS resources that do not comply with the rule.

A rule is compliant if all of the evaluated resources comply with it. It is noncompliant if any of these resources do not comply.

If AWS Config has no current evaluation results for the rule, it returns `INSUFFICIENT_DATA`. This result might indicate one of the following conditions:

- AWS Config has never invoked an evaluation for the rule. To check whether it has, use the `DescribeConfigRuleEvaluationStatus` action to get the `LastSuccessfulInvocationTime` and `LastFailedInvocationTime`.
- The rule's AWS Lambda function is failing to send evaluation results to AWS Config. Verify that the role you assigned to your configuration recorder includes the `config:PutEvaluations` permission. If the rule is a custom rule, verify that the AWS Lambda execution role includes the `config:PutEvaluations` permission.
- The rule's AWS Lambda function has returned `NOT_APPLICABLE` for all evaluation results. This can occur if the resources were deleted or removed from the rule's scope.

Request Syntax

```
{
   "ComplianceTypes": [ "string" ],
   "ConfigRuleNames": [ "string" ],
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ComplianceTypes

Filters the results by compliance.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

ConfigRuleNames

Specify one or more AWS Config rule names to filter the results by rule.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ComplianceByConfigRules": [
      {
         "Compliance": {
            "ComplianceContributorCount": {
               "CapExceeded": boolean,
               "CappedCount": number
            },
            "ComplianceType": "string"
         },
```

```
            "ConfigRuleName": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ComplianceByConfigRules

Indicates whether each of the specified AWS Config rules is compliant.

Type: Array of ComplianceByConfigRule objects

NextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeComplianceByResource

Indicates whether the specified AWS resources are compliant. If a resource is noncompliant, this action returns the number of AWS Config rules that the resource does not comply with.

A resource is compliant if it complies with all the AWS Config rules that evaluate it. It is noncompliant if it does not comply with one or more of these rules.

If AWS Config has no current evaluation results for the resource, it returns `INSUFFICIENT_DATA`. This result might indicate one of the following conditions about the rules that evaluate the resource:

- AWS Config has never invoked an evaluation for the rule. To check whether it has, use the `DescribeConfigRuleEvaluationStatus` action to get the `LastSuccessfulInvocationTime` and `LastFailedInvocationTime`.
- The rule's AWS Lambda function is failing to send evaluation results to AWS Config. Verify that the role that you assigned to your configuration recorder includes the `config:PutEvaluations` permission. If the rule is a custom rule, verify that the AWS Lambda execution role includes the `config:PutEvaluations` permission.
- The rule's AWS Lambda function has returned `NOT_APPLICABLE` for all evaluation results. This can occur if the resources were deleted or removed from the rule's scope.

Request Syntax

```
{
   "ComplianceTypes": [ "string" ],
   "Limit": number,
   "NextToken": "string",
   "ResourceId": "string",
   "ResourceType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ComplianceTypes

Filters the results by compliance.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

Limit

The maximum number of evaluation results returned on each page. The default is 10. You cannot specify a number greater than 100. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

ResourceId

The ID of the AWS resource for which you want compliance information. You can specify only one resource ID. If you specify a resource ID, you must also specify a type for `ResourceType`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceType

The types of AWS resources for which you want compliance information (for example, `AWS::EC2::Instance`). For this action, you can specify that the resource type is an AWS account by specifying `AWS::::Account`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "ComplianceByResources": [
      {
         "Compliance": {
            "ComplianceContributorCount": {
               "CapExceeded": boolean,
               "CappedCount": number
            },
            "ComplianceType": "string"
         },
         "ResourceId": "string",
         "ResourceType": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ComplianceByResources

Indicates whether the specified AWS resource complies with all of the AWS Config rules that evaluate it.

Type: Array of ComplianceByResource objects

NextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConfigRuleEvaluationStatus

Returns status information for each of your AWS Config managed rules. The status includes information such as the last time AWS Config invoked the rule, the last time AWS Config failed to invoke the rule, and the related error for the last failure.

Request Syntax

```
{
   "ConfigRuleNames": [ "string" ],
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleNames

The name of the AWS Config managed rules for which you want status information. If you do not specify any names, AWS Config returns status information for all AWS Config managed rules that you use.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

Limit

The number of rule evaluation results that you want returned.

This parameter is required if the rule limit for your account is more than the default of 1000 rules.

For information about requesting a rule limit increase, see AWS Config Limits in the *AWS General Reference Guide*.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 50.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ConfigRulesEvaluationStatus": [
      {
         "ConfigRuleArn": "string",
         "ConfigRuleId": "string",
         "ConfigRuleName": "string",
         "FirstActivatedTime": number,
         "FirstEvaluationStarted": boolean,
         "LastDeactivatedTime": number,
         "LastDebugLogDeliveryStatus": "string",
         "LastDebugLogDeliveryStatusReason": "string",
         "LastDebugLogDeliveryTime": number,
         "LastErrorCode": "string",
         "LastErrorMessage": "string",
         "LastFailedEvaluationTime": number,
         "LastFailedInvocationTime": number,
         "LastSuccessfulEvaluationTime": number,
         "LastSuccessfulInvocationTime": number
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConfigRulesEvaluationStatus

Status information about your AWS Config managed rules.

Type: Array of ConfigRuleEvaluationStatus objects

NextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConfigRules

Returns details about your AWS Config rules.

Request Syntax

```
{
   "ConfigRuleNames": [ "string" ],
   "Filters": {
      "EvaluationMode": "string"
   },
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleNames

The names of the AWS Config rules for which you want details. If you do not specify any names, AWS Config returns details for all your rules.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

Filters

Returns a list of Detective or Proactive AWS Config rules. By default, this API returns an unfiltered list. For more information on Detective or Proactive AWS Config rules, see **Evaluation Mode** in the *AWS Config Developer Guide*.

Type: DescribeConfigRulesFilters object

Required: No

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ConfigRules": [
      {
         "ConfigRuleArn": "string",
         "ConfigRuleId": "string",
         "ConfigRuleName": "string",
         "ConfigRuleState": "string",
         "CreatedBy": "string",
         "Description": "string",
         "EvaluationModes": [
            {
               "Mode": "string"
            }
         ],
         "InputParameters": "string",
         "MaximumExecutionFrequency": "string",
         "Scope": {
            "ComplianceResourceId": "string",
            "ComplianceResourceTypes": [ "string" ],
            "TagKey": "string",
            "TagValue": "string"
         },
         "Source": {
            "CustomPolicyDetails": {
               "EnableDebugLogDelivery": boolean,
               "PolicyRuntime": "string",
               "PolicyText": "string"
            },
            "Owner": "string",
            "SourceDetails": [
```

```
                {
                   "EventSource": "string",
                   "MaximumExecutionFrequency": "string",
                   "MessageType": "string"
                }
             ],
             "SourceIdentifier": "string"
          }
       }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConfigRules

The details about your AWS Config rules.

Type: Array of ConfigRule objects

NextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConfigurationAggregators

Returns the details of one or more configuration aggregators. If the configuration aggregator is not specified, this action returns the details for all the configuration aggregators associated with the account.

Request Syntax

```
{
   "ConfigurationAggregatorNames": [ "string" ],
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorNames

The name of the configuration aggregators.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: No

Limit

The maximum number of configuration aggregators returned on each page. The default is maximum. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ConfigurationAggregators": [
      {
         "AccountAggregationSources": [
            {
               "AccountIds": [ "string" ],
               "AllAwsRegions": boolean,
               "AwsRegions": [ "string" ]
            }
         ],
         "ConfigurationAggregatorArn": "string",
         "ConfigurationAggregatorName": "string",
         "CreatedBy": "string",
         "CreationTime": number,
         "LastUpdatedTime": number,
         "OrganizationAggregationSource": {
            "AllAwsRegions": boolean,
            "AwsRegions": [ "string" ],
            "RoleArn": "string"
         }
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConfigurationAggregators

Returns a ConfigurationAggregators object.

Type: Array of ConfigurationAggregator objects

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConfigurationAggregatorSourcesStatus

Returns status information for sources within an aggregator. The status includes information about the last time AWS Config verified authorization between the source account and an aggregator account. In case of a failure, the status contains the related error code or message.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "Limit": number,
   "NextToken": "string",
   "UpdateStatus": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Limit

The maximum number of AggregatorSourceStatus returned on each page. The default is maximum. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

UpdateStatus

Filters the status type.

- Valid value FAILED indicates errors while moving data.
- Valid value SUCCEEDED indicates the data was successfully moved.
- Valid value OUTDATED indicates the data is not the most recent.

Type: Array of strings

Array Members: Minimum number of 1 item.

Valid Values: `FAILED | SUCCEEDED | OUTDATED`

Required: No

Response Syntax

```
{
   "AggregatedSourceStatusList": [
      {
         "AwsRegion": "string",
         "LastErrorCode": "string",
         "LastErrorMessage": "string",
         "LastUpdateStatus": "string",
         "LastUpdateTime": number,
         "SourceId": "string",
         "SourceType": "string"
      }
   ],
   "NextToken": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregatedSourceStatusList

Returns an AggregatedSourceStatus object.

Type: Array of AggregatedSourceStatus objects

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConfigurationRecorders

Returns the details for the specified configuration recorders. If the configuration recorder is not specified, this action returns the details for all configuration recorders associated with the account.

> **Note**
>
> You can specify only one configuration recorder for each AWS Region for each account.

Request Syntax

```
{
   "ConfigurationRecorderNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationRecorderNames

A list of configuration recorder names.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "ConfigurationRecorders": [
      {
         "name": "string",
         "recordingGroup": {
            "allSupported": boolean,
```

```
            "exclusionByResourceTypes": {
               "resourceTypes": [ "string" ]
            },
            "includeGlobalResourceTypes": boolean,
            "recordingStrategy": {
               "useOnly": "string"
            },
            "resourceTypes": [ "string" ]
         },
         "recordingMode": {
            "recordingFrequency": "string",
            "recordingModeOverrides": [
               {
                  "description": "string",
                  "recordingFrequency": "string",
                  "resourceTypes": [ "string" ]
               }
            ]
         },
         "roleARN": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConfigurationRecorders

A list that contains the descriptions of the specified configuration recorders.

Type: Array of ConfigurationRecorder objects

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigurationRecorderException

You have specified a configuration recorder that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConfigurationRecorderStatus

Returns the current status of the specified configuration recorder as well as the status of the last recording event for the recorder. If a configuration recorder is not specified, this action returns the status of all configuration recorders associated with the account.

> **Note**
>
> >You can specify only one configuration recorder for each AWS Region for each account. For a detailed status of recording events over time, add your AWS Config events to Amazon CloudWatch metrics and use CloudWatch metrics.

Request Syntax

```
{
   "ConfigurationRecorderNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationRecorderNames

The name(s) of the configuration recorder. If the name is not specified, the action returns the current status of all the configuration recorders associated with the account.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
```

```
   "ConfigurationRecordersStatus": [
      {
         "lastErrorCode": "string",
         "lastErrorMessage": "string",
         "lastStartTime": number,
         "lastStatus": "string",
         "lastStatusChangeTime": number,
         "lastStopTime": number,
         "name": "string",
         "recording": boolean
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConfigurationRecordersStatus

A list that contains status of the specified recorders.

Type: Array of ConfigurationRecorderStatus objects

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigurationRecorderException

You have specified a configuration recorder that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConformancePackCompliance

Returns compliance details for each rule in that conformance pack.

> **Note**
>
> You must provide exact rule names.

Request Syntax

```
{
   "ConformancePackName": "string",
   "Filters": {
      "ComplianceType": "string",
      "ConfigRuleNames": [ "string" ]
   },
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConformancePackName

Name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

Filters

A `ConformancePackComplianceFilters` object.

Type: ConformancePackComplianceFilters object

Required: No

Limit

The maximum number of AWS Config rules within a conformance pack are returned on each page.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ConformancePackName": "string",
   "ConformancePackRuleComplianceList": [
      {
         "ComplianceType": "string",
         "ConfigRuleName": "string",
         "Controls": [ "string" ]
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConformancePackName

Name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

ConformancePackRuleComplianceList

Returns a list of `ConformancePackRuleCompliance` objects.

Type: Array of ConformancePackRuleCompliance objects

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigRuleInConformancePackException

AWS Config rule that you passed in the filter does not exist.

HTTP Status Code: 400

NoSuchConformancePackException

You specified one or more conformance packs that do not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConformancePacks

Returns a list of one or more conformance packs.

Request Syntax

```
{
   "ConformancePackNames": [ "string" ],
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConformancePackNames

Comma-separated list of conformance pack names for which you want details. If you do not specify any names, AWS Config returns details for all your conformance packs.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: No

Limit

The maximum number of conformance packs returned on each page.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ConformancePackDetails": [
      {
         "ConformancePackArn": "string",
         "ConformancePackId": "string",
         "ConformancePackInputParameters": [
            {
               "ParameterName": "string",
               "ParameterValue": "string"
            }
         ],
         "ConformancePackName": "string",
         "CreatedBy": "string",
         "DeliveryS3Bucket": "string",
         "DeliveryS3KeyPrefix": "string",
         "LastUpdateRequestedTime": number,
         "TemplateSSMDocumentDetails": {
            "DocumentName": "string",
            "DocumentVersion": "string"
         }
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConformancePackDetails

Returns a list of `ConformancePackDetail` objects.

Type: Array of ConformancePackDetail objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConformancePackException

You specified one or more conformance packs that do not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConformancePackStatus

Provides one or more conformance packs deployment status.

> **Note**
>
> If there are no conformance packs then you will see an empty result.

Request Syntax

```
{
   "ConformancePackNames": [ "string" ],
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConformancePackNames

Comma-separated list of conformance pack names.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: No

Limit

The maximum number of conformance packs status returned on each page.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ConformancePackStatusDetails": [
      {
         "ConformancePackArn": "string",
         "ConformancePackId": "string",
         "ConformancePackName": "string",
         "ConformancePackState": "string",
         "ConformancePackStatusReason": "string",
         "LastUpdateCompletedTime": number,
         "LastUpdateRequestedTime": number,
         "StackArn": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConformancePackStatusDetails

A list of `ConformancePackStatusDetail` objects.

Type: Array of ConformancePackStatusDetail objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeDeliveryChannels

Returns details about the specified delivery channel. If a delivery channel is not specified, this action returns the details of all delivery channels associated with the account.

> **Note**
>
> Currently, you can specify only one delivery channel per region in your account.

Request Syntax

```
{
   "DeliveryChannelNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DeliveryChannelNames

A list of delivery channel names.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "DeliveryChannels": [
      {
         "configSnapshotDeliveryProperties": {
            "deliveryFrequency": "string"
```

```
        },
        "name": "string",
        "s3BucketName": "string",
        "s3KeyPrefix": "string",
        "s3KmsKeyArn": "string",
        "snsTopicARN": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DeliveryChannels

A list that contains the descriptions of the specified delivery channel.

Type: Array of DeliveryChannel objects

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchDeliveryChannelException

You have specified a delivery channel that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeDeliveryChannelStatus

Returns the current status of the specified delivery channel. If a delivery channel is not specified, this action returns the current status of all delivery channels associated with the account.

> **Note**
>
> Currently, you can specify only one delivery channel per region in your account.

Request Syntax

```
{
   "DeliveryChannelNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DeliveryChannelNames

A list of delivery channel names.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "DeliveryChannelsStatus": [
      {
         "configHistoryDeliveryInfo": {
            "lastAttemptTime": number,
            "lastErrorCode": "string",
```

```
            "lastErrorMessage": "string",
            "lastStatus": "string",
            "lastSuccessfulTime": number,
            "nextDeliveryTime": number
         },
         "configSnapshotDeliveryInfo": {
            "lastAttemptTime": number,
            "lastErrorCode": "string",
            "lastErrorMessage": "string",
            "lastStatus": "string",
            "lastSuccessfulTime": number,
            "nextDeliveryTime": number
         },
         "configStreamDeliveryInfo": {
            "lastErrorCode": "string",
            "lastErrorMessage": "string",
            "lastStatus": "string",
            "lastStatusChangeTime": number
         },
         "name": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DeliveryChannelsStatus

A list that contains the status of a specified delivery channel.

Type: Array of DeliveryChannelStatus objects

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchDeliveryChannelException

You have specified a delivery channel that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeOrganizationConfigRules

Returns a list of organization AWS Config rules.

> **Note**
>
> When you specify the limit and the next token, you receive a paginated response.
> Limit and next token are not applicable if you specify organization AWS Config rule names.
> It is only applicable, when you request all the organization AWS Config rules.
> *For accounts within an organization*
> If you deploy an organizational rule or conformance pack in an organization administrator account, and then establish a delegated administrator and deploy an organizational rule or conformance pack in the delegated administrator account, you won't be able to see the organizational rule or conformance pack in the organization administrator account from the delegated administrator account or see the organizational rule or conformance pack in the delegated administrator account from organization administrator account. The `DescribeOrganizationConfigRules` and `DescribeOrganizationConformancePacks` APIs can only see and interact with the organization-related resource that were deployed from within the account calling those APIs.

Request Syntax

```
{
   "Limit": number,
   "NextToken": "string",
   "OrganizationConfigRuleNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Limit

The maximum number of organization AWS Config rules returned on each page. If you do no specify a number, AWS Config uses the default. The default is 100.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

OrganizationConfigRuleNames

The names of organization AWS Config rules for which you want details. If you do not specify any names, AWS Config returns details for all your organization AWS Config rules.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "OrganizationConfigRules": [
      {
         "ExcludedAccounts": [ "string" ],
         "LastUpdateTime": number,
         "OrganizationConfigRuleArn": "string",
```

```
            "OrganizationConfigRuleName": "string",
            "OrganizationCustomPolicyRuleMetadata": {
               "DebugLogDeliveryAccounts": [ "string" ],
               "Description": "string",
               "InputParameters": "string",
               "MaximumExecutionFrequency": "string",
               "OrganizationConfigRuleTriggerTypes": [ "string" ],
               "PolicyRuntime": "string",
               "ResourceIdScope": "string",
               "ResourceTypesScope": [ "string" ],
               "TagKeyScope": "string",
               "TagValueScope": "string"
            },
            "OrganizationCustomRuleMetadata": {
               "Description": "string",
               "InputParameters": "string",
               "LambdaFunctionArn": "string",
               "MaximumExecutionFrequency": "string",
               "OrganizationConfigRuleTriggerTypes": [ "string" ],
               "ResourceIdScope": "string",
               "ResourceTypesScope": [ "string" ],
               "TagKeyScope": "string",
               "TagValueScope": "string"
            },
            "OrganizationManagedRuleMetadata": {
               "Description": "string",
               "InputParameters": "string",
               "MaximumExecutionFrequency": "string",
               "ResourceIdScope": "string",
               "ResourceTypesScope": [ "string" ],
               "RuleIdentifier": "string",
               "TagKeyScope": "string",
               "TagValueScope": "string"
            }
         }
      ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

OrganizationConfigRules

Returns a list of `OrganizationConfigRule` objects.

Type: Array of OrganizationConfigRule objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchOrganizationConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an organization AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API

- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeOrganizationConfigRuleStatuses

Provides organization AWS Config rule deployment status for an organization.

> **Note**
>
> The status is not considered successful until organization AWS Config rule is successfully deployed in all the member accounts with an exception of excluded accounts.
> When you specify the limit and the next token, you receive a paginated response. Limit and next token are not applicable if you specify organization AWS Config rule names. It is only applicable, when you request all the organization AWS Config rules.

Request Syntax

```
{
   "Limit": number,
   "NextToken": "string",
   "OrganizationConfigRuleNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Limit

The maximum number of `OrganizationConfigRuleStatuses` returned on each page. If you do no specify a number, AWS Config uses the default. The default is 100.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

OrganizationConfigRuleNames

The names of organization AWS Config rules for which you want status details. If you do not specify any names, AWS Config returns details for all your organization AWS Config rules.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "OrganizationConfigRuleStatuses": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "LastUpdateTime": number,
         "OrganizationConfigRuleName": "string",
         "OrganizationRuleStatus": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

OrganizationConfigRuleStatuses

A list of `OrganizationConfigRuleStatus` objects.

Type: Array of OrganizationConfigRuleStatus objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchOrganizationConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an organization AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.

- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeOrganizationConformancePacks

Returns a list of organization conformance packs.

> **Note**
>
> When you specify the limit and the next token, you receive a paginated response.
> Limit and next token are not applicable if you specify organization conformance packs names. They are only applicable, when you request all the organization conformance packs.
> *For accounts within an organization*
> If you deploy an organizational rule or conformance pack in an organization administrator account, and then establish a delegated administrator and deploy an organizational rule or conformance pack in the delegated administrator account, you won't be able to see the organizational rule or conformance pack in the organization administrator account from the delegated administrator account or see the organizational rule or conformance pack in the delegated administrator account from organization administrator account. The `DescribeOrganizationConfigRules` and `DescribeOrganizationConformancePacks` APIs can only see and interact with the organization-related resource that were deployed from within the account calling those APIs.

Request Syntax

```
{
   "Limit": number,
   "NextToken": "string",
   "OrganizationConformancePackNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Limit

The maximum number of organization config packs returned on each page. If you do no specify a number, AWS Config uses the default. The default is 100.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

OrganizationConformancePackNames

The name that you assign to an organization conformance pack.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "OrganizationConformancePacks": [
      {
         "ConformancePackInputParameters": [
            {
               "ParameterName": "string",
               "ParameterValue": "string"
            }
```

```
         ],
         "DeliveryS3Bucket": "string",
         "DeliveryS3KeyPrefix": "string",
         "ExcludedAccounts": [ "string" ],
         "LastUpdateTime": number,
         "OrganizationConformancePackArn": "string",
         "OrganizationConformancePackName": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

OrganizationConformancePacks

Returns a list of OrganizationConformancePacks objects.

Type: Array of OrganizationConformancePack objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchOrganizationConformancePackException

AWS Config organization conformance pack that you passed in the filter does not exist.

For DeleteOrganizationConformancePack, you tried to delete an organization conformance pack that does not exist.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeOrganizationConformancePackStatuses

Provides organization conformance pack deployment status for an organization.

> **Note**
>
> The status is not considered successful until organization conformance pack is successfully deployed in all the member accounts with an exception of excluded accounts.
> When you specify the limit and the next token, you receive a paginated response. Limit and next token are not applicable if you specify organization conformance pack names. They are only applicable, when you request all the organization conformance packs.

Request Syntax

```
{
   "Limit": number,
   "NextToken": "string",
   "OrganizationConformancePackNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Limit

The maximum number of OrganizationConformancePackStatuses returned on each page. If you do no specify a number, AWS Config uses the default. The default is 100.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

OrganizationConformancePackNames

The names of organization conformance packs for which you want status details. If you do not specify any names, AWS Config returns details for all your organization conformance packs.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "OrganizationConformancePackStatuses": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "LastUpdateTime": number,
         "OrganizationConformancePackName": "string",
         "Status": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

OrganizationConformancePackStatuses

A list of `OrganizationConformancePackStatus` objects.

Type: Array of OrganizationConformancePackStatus objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchOrganizationConformancePackException

AWS Config organization conformance pack that you passed in the filter does not exist.

For DeleteOrganizationConformancePack, you tried to delete an organization conformance pack that does not exist.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API

- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribePendingAggregationRequests

Returns a list of all pending aggregation requests.

Request Syntax

```
{
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Limit

The maximum number of evaluation results returned on each page. The default is maximum. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
```

```
   "PendingAggregationRequests": [
      {
         "RequesterAccountId": "string",
         "RequesterAwsRegion": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

PendingAggregationRequests

Returns a PendingAggregationRequests object.

Type: Array of PendingAggregationRequest objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeRemediationConfigurations

Returns the details of one or more remediation configurations.

Request Syntax

```
{
   "ConfigRuleNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleNames

A list of AWS Config rule names of remediation configurations for which you want details.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
{
   "RemediationConfigurations": [
      {
         "Arn": "string",
         "Automatic": boolean,
         "ConfigRuleName": "string",
         "CreatedByService": "string",
         "ExecutionControls": {
```

```
            "SsmControls": {
               "ConcurrentExecutionRatePercentage": number,
               "ErrorPercentage": number
            }
         },
         "MaximumAutomaticAttempts": number,
         "Parameters": {
            "string" : {
               "ResourceValue": {
                  "Value": "string"
               },
               "StaticValue": {
                  "Values": [ "string" ]
               }
            }
         },
         "ResourceType": "string",
         "RetryAttemptSeconds": number,
         "TargetId": "string",
         "TargetType": "string",
         "TargetVersion": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RemediationConfigurations

Returns a remediation configuration object.

Type: Array of RemediationConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeRemediationExceptions

Returns the details of one or more remediation exceptions. A detailed view of a remediation exception for a set of resources that includes an explanation of an exception and the time when the exception will be deleted. When you specify the limit and the next token, you receive a paginated response.

> **Note**
>
> AWS Config generates a remediation exception when a problem occurs executing a remediation action to a specific resource. Remediation exceptions blocks auto-remediation until the exception is cleared.
> When you specify the limit and the next token, you receive a paginated response.
> Limit and next token are not applicable if you request resources in batch. It is only applicable, when you request all resources.

Request Syntax

```
{
   "ConfigRuleName": "string",
   "Limit": number,
   "NextToken": "string",
   "ResourceKeys": [
      {
         "ResourceId": "string",
         "ResourceType": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Limit

The maximum number of RemediationExceptionResourceKey returned on each page. The default is 25. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Required: No

ResourceKeys

An exception list of resource exception keys to be processed with the current request. AWS Config adds exception for each resource key. For example, AWS Config adds 3 exceptions for 3 resource keys.

Type: Array of RemediationExceptionResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

Response Syntax

```
{
   "NextToken": "string",
```

```
   "RemediationExceptions": [
      {
         "ConfigRuleName": "string",
         "ExpirationTime": number,
         "Message": "string",
         "ResourceId": "string",
         "ResourceType": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

RemediationExceptions

Returns a list of remediation exception objects.

Type: Array of RemediationException objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeRemediationExecutionStatus

Provides a detailed view of a Remediation Execution for a set of resources including state, timestamps for when steps for the remediation execution occur, and any error messages for steps that have failed. When you specify the limit and the next token, you receive a paginated response.

Request Syntax

```
{
   "ConfigRuleName": "string",
   "Limit": number,
   "NextToken": "string",
   "ResourceKeys": [
      {
         "resourceId": "string",
         "resourceType": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

A list of AWS Config rule names.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Limit

The maximum number of RemediationExecutionStatuses returned on each page. The default is maximum. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

ResourceKeys

A list of resource keys to be processed with the current request. Each element in the list consists of the resource type and resource ID.

Type: Array of ResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "RemediationExecutionStatuses": [
      {
         "InvocationTime": number,
         "LastUpdatedTime": number,
         "ResourceKey": {
            "resourceId": "string",
            "resourceType": "string"
         },
         "State": "string",
         "StepDetails": [
            {
               "ErrorMessage": "string",
               "Name": "string",
```

```
                "StartTime": number,
                "State": "string",
                "StopTime": number
            }
        ]
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

RemediationExecutionStatuses

Returns a list of remediation execution statuses objects.

Type: Array of RemediationExecutionStatus objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchRemediationConfigurationException

You specified an AWS Config rule without a remediation configuration.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeRetentionConfigurations

Returns the details of one or more retention configurations. If the retention configuration name is not specified, this action returns the details for all the retention configurations for that account.

> **Note**
>
> Currently, AWS Config supports only one retention configuration per region in your account.

Request Syntax

```
{
   "NextToken": "string",
   "RetentionConfigurationNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

RetentionConfigurationNames

A list of names of retention configurations for which you want details. If you do not specify a name, AWS Config returns details for all the retention configurations for that account.

> **Note**
>
> Currently, AWS Config supports only one retention configuration per region in your account.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "RetentionConfigurations": [
      {
         "Name": "string",
         "RetentionPeriodInDays": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

RetentionConfigurations

Returns a retention configuration object.

Type: Array of RetentionConfiguration objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchRetentionConfigurationException

You have specified a retention configuration that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetAggregateComplianceDetailsByConfigRule

Returns the evaluation results for the specified AWS Config rule for a specific resource in a rule. The results indicate which AWS resources were evaluated by the rule, when each resource was last evaluated, and whether each resource complies with the rule.

> **Note**
>
> The results can return an empty result page. But if you have a `nextToken`, the results are displayed on the next page.

Request Syntax

```
{
   "AccountId": "string",
   "AwsRegion": "string",
   "ComplianceType": "string",
   "ConfigRuleName": "string",
   "ConfigurationAggregatorName": "string",
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

The 12-digit account ID of the source account.

Type: String

Pattern: `\d{12}`

Required: Yes

AwsRegion

The source region from where the data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

ComplianceType

The resource compliance status.

> **Note**
>
> For the `GetAggregateComplianceDetailsByConfigRuleRequest` data type, AWS Config supports only the `COMPLIANT` and `NON_COMPLIANT`. AWS Config does not support the `NOT_APPLICABLE` and `INSUFFICIENT_DATA` values.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

ConfigRuleName

The name of the AWS Config rule for which you want compliance information.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Limit

The maximum number of evaluation results returned on each page. The default is 50. You cannot specify a number greater than 100. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "AggregateEvaluationResults": [
      {
         "AccountId": "string",
         "Annotation": "string",
         "AwsRegion": "string",
         "ComplianceType": "string",
         "ConfigRuleInvokedTime": number,
         "EvaluationResultIdentifier": {
            "EvaluationResultQualifier": {
               "ConfigRuleName": "string",
               "EvaluationMode": "string",
               "ResourceId": "string",
               "ResourceType": "string"
            },
            "OrderingTimestamp": number,
```

```
            "ResourceEvaluationId": "string"
         },
         "ResultRecordedTime": number
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregateEvaluationResults

Returns an AggregateEvaluationResults object.

Type: Array of AggregateEvaluationResult objects

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetAggregateConfigRuleComplianceSummary

Returns the number of compliant and noncompliant rules for one or more accounts and regions in an aggregator.

> **Note**
>
> The results can return an empty result page, but if you have a nextToken, the results are displayed on the next page.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "Filters": {
      "AccountId": "string",
      "AwsRegion": "string"
   },
   "GroupByKey": "string",
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Filters

Filters the results based on the ConfigRuleComplianceSummaryFilters object.

Type: ConfigRuleComplianceSummaryFilters object

Required: No

GroupByKey

Groups the result based on ACCOUNT_ID or AWS_REGION.

Type: String

Valid Values: `ACCOUNT_ID | AWS_REGION`

Required: No

Limit

The maximum number of evaluation results returned on each page. The default is 1000. You cannot specify a number greater than 1000. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "AggregateComplianceCounts": [
      {
```

```
         "ComplianceSummary": {
            "ComplianceSummaryTimestamp": number,
            "CompliantResourceCount": {
               "CapExceeded": boolean,
               "CappedCount": number
            },
            "NonCompliantResourceCount": {
               "CapExceeded": boolean,
               "CappedCount": number
            }
         },
         "GroupName": "string"
      }
   ],
   "GroupByKey": "string",
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregateComplianceCounts

Returns a list of AggregateComplianceCounts object.

Type: Array of AggregateComplianceCount objects

GroupByKey

Groups the result based on ACCOUNT_ID or AWS_REGION.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetAggregateConformancePackComplianceSummary

Returns the count of compliant and noncompliant conformance packs across all AWS accounts and AWS Regions in an aggregator. You can filter based on AWS account ID or AWS Region.

> **Note**
>
> The results can return an empty result page, but if you have a nextToken, the results are displayed on the next page.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "Filters": {
      "AccountId": "string",
      "AwsRegion": "string"
   },
   "GroupByKey": "string",
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Filters

Filters the results based on the `AggregateConformancePackComplianceSummaryFilters` object.

Type: AggregateConformancePackComplianceSummaryFilters object

Required: No

GroupByKey

Groups the result based on AWS account ID or AWS Region.

Type: String

Valid Values: `ACCOUNT_ID | AWS_REGION`

Required: No

Limit

The maximum number of results returned on each page. The default is maximum. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "AggregateConformancePackComplianceSummaries": [
```

```
      {
         "ComplianceSummary": {
            "CompliantConformancePackCount": number,
            "NonCompliantConformancePackCount": number
         },
         "GroupName": "string"
      }
   ],
   "GroupByKey": "string",
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregateConformancePackComplianceSummaries

Returns a list of `AggregateConformancePackComplianceSummary` object.

Type: Array of AggregateConformancePackComplianceSummary objects

GroupByKey

Groups the result based on AWS account ID or AWS Region.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetAggregateDiscoveredResourceCounts

Returns the resource counts across accounts and regions that are present in your AWS Config aggregator. You can request the resource counts by providing filters and GroupByKey.

For example, if the input contains accountID 12345678910 and region us-east-1 in filters, the API returns the count of resources in account ID 12345678910 and region us-east-1. If the input contains ACCOUNT_ID as a GroupByKey, the API returns resource counts for all source accounts that are present in your aggregator.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "Filters": {
      "AccountId": "string",
      "Region": "string",
      "ResourceType": "string"
   },
   "GroupByKey": "string",
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Filters

Filters the results based on the `ResourceCountFilters` object.

Type: ResourceCountFilters object

Required: No

GroupByKey

The key to group the resource counts.

Type: String

Valid Values: `RESOURCE_TYPE | ACCOUNT_ID | AWS_REGION`

Required: No

Limit

The maximum number of GroupedResourceCount objects returned on each page. The default is 1000. You cannot specify a number greater than 1000. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
```

```
   "GroupByKey": "string",
   "GroupedResourceCounts": [
      {
         "GroupName": "string",
         "ResourceCount": number
      }
   ],
   "NextToken": "string",
   "TotalDiscoveredResources": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GroupByKey

The key passed into the request object. If `GroupByKey` is not provided, the result will be empty.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

GroupedResourceCounts

Returns a list of GroupedResourceCount objects.

Type: Array of GroupedResourceCount objects

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

TotalDiscoveredResources

The total number of resources that are present in an aggregator with the filters that you provide.

Type: Long

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetAggregateResourceConfig

Returns configuration item that is aggregated for your specific resource in a specific source account and region.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "ResourceIdentifier": {
      "ResourceId": "string",
      "ResourceName": "string",
      "ResourceType": "string",
      "SourceAccountId": "string",
      "SourceRegion": "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

ResourceIdentifier

An object that identifies aggregate resource.

Type: AggregateResourceIdentifier object

Required: Yes

Response Syntax

```
{
   "ConfigurationItem": {
      "accountId": "string",
      "arn": "string",
      "availabilityZone": "string",
      "awsRegion": "string",
      "configuration": "string",
      "configurationItemCaptureTime": number,
      "configurationItemDeliveryTime": number,
      "configurationItemMD5Hash": "string",
      "configurationItemStatus": "string",
      "configurationStateId": "string",
      "recordingFrequency": "string",
      "relatedEvents": [ "string" ],
      "relationships": [
         {
            "relationshipName": "string",
            "resourceId": "string",
            "resourceName": "string",
            "resourceType": "string"
         }
      ],
      "resourceCreationTime": number,
      "resourceId": "string",
      "resourceName": "string",
      "resourceType": "string",
      "supplementaryConfiguration": {
         "string" : "string"
      },
      "tags": {
         "string" : "string"
      },
      "version": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConfigurationItem

Returns a `ConfigurationItem` object.

Type: ConfigurationItem object

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

OversizedConfigurationItemException

The configuration item size is outside the allowable range.

HTTP Status Code: 400

ResourceNotDiscoveredException

You have specified a resource that is either unknown or has not been discovered.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetComplianceDetailsByConfigRule

Returns the evaluation results for the specified AWS Config rule. The results indicate which AWS resources were evaluated by the rule, when each resource was last evaluated, and whether each resource complies with the rule.

Request Syntax

```
{
   "ComplianceTypes": [ "string" ],
   "ConfigRuleName": "string",
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ComplianceTypes

Filters the results by compliance.

`INSUFFICIENT_DATA` is a valid `ComplianceType` that is returned when an AWS Config rule cannot be evaluated. However, `INSUFFICIENT_DATA` cannot be used as a `ComplianceType` for filtering results.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

ConfigRuleName

The name of the AWS Config rule for which you want compliance information.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

Limit

The maximum number of evaluation results returned on each page. The default is 10. You cannot specify a number greater than 100. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "EvaluationResults": [
      {
         "Annotation": "string",
         "ComplianceType": "string",
         "ConfigRuleInvokedTime": number,
         "EvaluationResultIdentifier": {
            "EvaluationResultQualifier": {
               "ConfigRuleName": "string",
               "EvaluationMode": "string",
               "ResourceId": "string",
               "ResourceType": "string"
            },
            "OrderingTimestamp": number,
            "ResourceEvaluationId": "string"
         },
         "ResultRecordedTime": number,
```

```
            "ResultToken": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

EvaluationResults

Indicates whether the AWS resource complies with the specified AWS Config rule.

Type: Array of EvaluationResult objects

NextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetComplianceDetailsByResource

Returns the evaluation results for the specified AWS resource. The results indicate which AWS Config rules were used to evaluate the resource, when each rule was last invoked, and whether the resource complies with each rule.

Request Syntax

```
{
   "ComplianceTypes": [ "string" ],
   "NextToken": "string",
   "ResourceEvaluationId": "string",
   "ResourceId": "string",
   "ResourceType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ComplianceTypes

Filters the results by compliance.

`INSUFFICIENT_DATA` is a valid `ComplianceType` that is returned when an AWS Config rule cannot be evaluated. However, `INSUFFICIENT_DATA` cannot be used as a `ComplianceType` for filtering results.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

ResourceEvaluationId

The unique ID of AWS resource execution for which you want to retrieve evaluation results.

> **Note**
>
> You need to only provide either a `ResourceEvaluationID` or a `ResourceID` and `ResourceType`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

ResourceId

The ID of the AWS resource for which you want compliance information.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceType

The type of the AWS resource for which you want compliance information.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "EvaluationResults": [
```

```
      {
         "Annotation": "string",
         "ComplianceType": "string",
         "ConfigRuleInvokedTime": number,
         "EvaluationResultIdentifier": {
            "EvaluationResultQualifier": {
               "ConfigRuleName": "string",
               "EvaluationMode": "string",
               "ResourceId": "string",
               "ResourceType": "string"
            },
            "OrderingTimestamp": number,
            "ResourceEvaluationId": "string"
         },
         "ResultRecordedTime": number,
         "ResultToken": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

EvaluationResults

Indicates whether the specified AWS resource complies each AWS Config rule.

Type: Array of EvaluationResult objects

NextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetComplianceSummaryByConfigRule

Returns the number of AWS Config rules that are compliant and noncompliant, up to a maximum of 25 for each.

Response Syntax

```
{
   "ComplianceSummary": {
      "ComplianceSummaryTimestamp": number,
      "CompliantResourceCount": {
         "CapExceeded": boolean,
         "CappedCount": number
      },
      "NonCompliantResourceCount": {
         "CapExceeded": boolean,
         "CappedCount": number
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ComplianceSummary

The number of AWS Config rules that are compliant and the number that are noncompliant, up to a maximum of 25 for each.

Type: ComplianceSummary object

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetComplianceSummaryByResourceType

Returns the number of resources that are compliant and the number that are noncompliant. You can specify one or more resource types to get these numbers for each resource type. The maximum number returned is 100.

Request Syntax

```
{
   "ResourceTypes": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceTypes

Specify one or more resource types to get the number of resources that are compliant and the number that are noncompliant for each resource type.

For this request, you can specify an AWS resource type such as `AWS::EC2::Instance`. You can specify that the resource type is an AWS account by specifying `AWS::::Account`.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "ComplianceSummariesByResourceType": [
```

```
      {
         "ComplianceSummary": {
            "ComplianceSummaryTimestamp": number,
            "CompliantResourceCount": {
               "CapExceeded": boolean,
               "CappedCount": number
            },
            "NonCompliantResourceCount": {
               "CapExceeded": boolean,
               "CappedCount": number
            }
         },
         "ResourceType": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ComplianceSummariesByResourceType

The number of resources that are compliant and the number that are noncompliant. If one or more resource types were provided with the request, the numbers are returned for each resource type. The maximum number returned is 100.

Type: Array of ComplianceSummaryByResourceType objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetConformancePackComplianceDetails

Returns compliance details of a conformance pack for all AWS resources that are monitered by conformance pack.

Request Syntax

```
{
   "ConformancePackName": "string",
   "Filters": {
      "ComplianceType": "string",
      "ConfigRuleNames": [ "string" ],
      "ResourceIds": [ "string" ],
      "ResourceType": "string"
   },
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConformancePackName

Name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

Filters

A `ConformancePackEvaluationFilters` object.

Type: ConformancePackEvaluationFilters object

Required: No

Limit

The maximum number of evaluation results returned on each page. If you do no specify a number, AWS Config uses the default. The default is 100.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ConformancePackName": "string",
   "ConformancePackRuleEvaluationResults": [
      {
         "Annotation": "string",
         "ComplianceType": "string",
         "ConfigRuleInvokedTime": number,
         "EvaluationResultIdentifier": {
            "EvaluationResultQualifier": {
               "ConfigRuleName": "string",
               "EvaluationMode": "string",
               "ResourceId": "string",
               "ResourceType": "string"
            },
            "OrderingTimestamp": number,
            "ResourceEvaluationId": "string"
         },
         "ResultRecordedTime": number
      }
```

```
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConformancePackName

Name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

ConformancePackRuleEvaluationResults

Returns a list of `ConformancePackEvaluationResult` objects.

Type: Array of ConformancePackEvaluationResult objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigRuleInConformancePackException

AWS Config rule that you passed in the filter does not exist.

HTTP Status Code: 400

NoSuchConformancePackException

You specified one or more conformance packs that do not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetConformancePackComplianceSummary

Returns compliance details for the conformance pack based on the cumulative compliance results of all the rules in that conformance pack.

Request Syntax

```
{
   "ConformancePackNames": [ "string" ],
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConformancePackNames

Names of conformance packs.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

Limit

The maximum number of conformance packs returned on each page.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "ConformancePackComplianceSummaryList": [
      {
         "ConformancePackComplianceStatus": "string",
         "ConformancePackName": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConformancePackComplianceSummaryList

A list of `ConformancePackComplianceSummary` objects.

Type: Array of ConformancePackComplianceSummary objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConformancePackException

You specified one or more conformance packs that do not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetCustomRulePolicy

Returns the policy definition containing the logic for your AWS Config Custom Policy rule.

Request Syntax

```
{
   "ConfigRuleName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The name of your AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

Response Syntax

```
{
   "PolicyText": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PolicyText

The policy definition containing the logic for your AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetDiscoveredResourceCounts

Returns the resource types, the number of each resource type, and the total number of resources that AWS Config is recording in this region for your AWS account.

Example

1. AWS Config is recording three resource types in the US East (Ohio) Region for your account: 25 EC2 instances, 20 IAM users, and 15 S3 buckets.
2. You make a call to the `GetDiscoveredResourceCounts` action and specify that you want all resource types.
3. AWS Config returns the following:
   - The resource types (EC2 instances, IAM users, and S3 buckets).
   - The number of each resource type (25, 20, and 15).
   - The total number of all resources (60).

The response is paginated. By default, AWS Config lists 100 ResourceCount objects on each page. You can customize this number with the `limit` parameter. The response includes a `nextToken` string. To get the next page of results, run the request again and specify the string for the `nextToken` parameter.

> **Note**
>
> If you make a call to the GetDiscoveredResourceCounts action, you might not immediately receive resource counts in the following situations:
>
> - You are a new AWS Config customer.
> - You just enabled resource recording.
>
> It might take a few minutes for AWS Config to record and count your resources. Wait a few minutes and then retry the GetDiscoveredResourceCounts action.

Request Syntax

```
{
```

```
    "limit": number,
    "nextToken": "string",
    "resourceTypes": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

limit

The maximum number of ResourceCount objects returned on each page. The default is 100. You cannot specify a number greater than 100. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

nextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

resourceTypes

The comma-separated list that specifies the resource types that you want AWS Config to return (for example, `"AWS::EC2::Instance"`, `"AWS::IAM::User"`).

If a value for `resourceTypes` is not specified, AWS Config returns all resource types that AWS Config is recording in the region for your account.

> **Note**
>
> If the configuration recorder is turned off, AWS Config returns an empty list of ResourceCount objects. If the configuration recorder is not recording a specific

resource type (for example, S3 buckets), that resource type is not returned in the list of ResourceCount objects.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "resourceCounts": [
      {
         "count": number,
         "resourceType": "string"
      }
   ],
   "totalDiscoveredResources": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

resourceCounts

The list of `ResourceCount` objects. Each object is listed in descending order by the number of resources.

Type: Array of ResourceCount objects

totalDiscoveredResources

The total number of resources that AWS Config is recording in the region for your account. If you specify resource types in the request, AWS Config returns only the total number of resources for those resource types.

Example

1. AWS Config is recording three resource types in the US East (Ohio) Region for your account: 25 EC2 instances, 20 IAM users, and 15 S3 buckets, for a total of 60 resources.
2. You make a call to the `GetDiscoveredResourceCounts` action and specify the resource type, `"AWS::EC2::Instances"`, in the request.
3. AWS Config returns 25 for `totalDiscoveredResources`.

Type: Long

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetOrganizationConfigRuleDetailedStatus

Returns detailed status for each member account within an organization for a given organization AWS Config rule.

Request Syntax

```
{
   "Filters": {
      "AccountId": "string",
      "MemberAccountRuleStatus": "string"
   },
   "Limit": number,
   "NextToken": "string",
   "OrganizationConfigRuleName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

A `StatusDetailFilters` object.

Type: StatusDetailFilters object

Required: No

Limit

The maximum number of `OrganizationConfigRuleDetailedStatus` returned on each page. If you do not specify a number, AWS Config uses the default. The default is 100.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

OrganizationConfigRuleName

The name of your organization AWS Config rule for which you want status details for member accounts.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "OrganizationConfigRuleDetailedStatus": [
      {
         "AccountId": "string",
         "ConfigRuleName": "string",
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "LastUpdateTime": number,
         "MemberAccountRuleStatus": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

OrganizationConfigRuleDetailedStatus

A list of `MemberAccountStatus` objects.

Type: Array of MemberAccountStatus objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchOrganizationConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an organization AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API

- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetOrganizationConformancePackDetailedStatus

Returns detailed status for each member account within an organization for a given organization conformance pack.

Request Syntax

```
{
   "Filters": {
      "AccountId": "string",
      "Status": "string"
   },
   "Limit": number,
   "NextToken": "string",
   "OrganizationConformancePackName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

An `OrganizationResourceDetailedStatusFilters` object.

Type: OrganizationResourceDetailedStatusFilters object

Required: No

Limit

The maximum number of `OrganizationConformancePackDetailedStatuses` returned on each page. If you do not specify a number, AWS Config uses the default. The default is 100.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

OrganizationConformancePackName

The name of organization conformance pack for which you want status details for member accounts.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "OrganizationConformancePackDetailedStatuses": [
      {
         "AccountId": "string",
         "ConformancePackName": "string",
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "LastUpdateTime": number,
         "Status": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

OrganizationConformancePackDetailedStatuses

A list of `OrganizationConformancePackDetailedStatus` objects.

Type: Array of OrganizationConformancePackDetailedStatus objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchOrganizationConformancePackException

AWS Config organization conformance pack that you passed in the filter does not exist.

For DeleteOrganizationConformancePack, you tried to delete an organization conformance pack that does not exist.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetOrganizationCustomRulePolicy

Returns the policy definition containing the logic for your organization AWS Config Custom Policy rule.

Request Syntax

```
{
   "OrganizationConfigRuleName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

OrganizationConfigRuleName

The name of your organization AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
{
   "PolicyText": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PolicyText

The policy definition containing the logic for your organization AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchOrganizationConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an organization AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetResourceConfigHistory

Important

For accurate reporting on the compliance status, you must record the `AWS::Config::ResourceCompliance` resource type. For more information, see Selecting Which Resources AWS Config Records.

Returns a list of `ConfigurationItems` for the specified resource. The list contains details about each state of the resource during the specified time interval. If you specified a retention period to retain your `ConfigurationItems` between a minimum of 30 days and a maximum of 7 years (2557 days), AWS Config returns the `ConfigurationItems` for the specified retention period.

The response is paginated. By default, AWS Config returns a limit of 10 configuration items per page. You can customize this number with the `limit` parameter. The response includes a `nextToken` string. To get the next page of results, run the request again and specify the string for the `nextToken` parameter.

Note

Each call to the API is limited to span a duration of seven days. It is likely that the number of records returned is smaller than the specified `limit`. In such cases, you can make another call, using the `nextToken`.

Request Syntax

```
{
   "chronologicalOrder": "string",
   "earlierTime": number,
   "laterTime": number,
   "limit": number,
   "nextToken": "string",
   "resourceId": "string",
   "resourceType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

chronologicalOrder

The chronological order for configuration items listed. By default, the results are listed in reverse chronological order.

Type: String

Valid Values: `Reverse | Forward`

Required: No

earlierTime

The chronologically earliest time in the time range for which the history requested. If not specified, the action returns paginated results that contain configuration items that start when the first configuration item was recorded.

Type: Timestamp

Required: No

laterTime

The chronologically latest time in the time range for which the history requested. If not specified, current time is taken.

Type: Timestamp

Required: No

limit

The maximum number of configuration items returned on each page. The default is 10. You cannot specify a number greater than 100. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

nextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

resourceId

The ID of the resource (for example., `sg-xxxxxx`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: Yes

resourceType

The resource type.

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup |`

AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup | AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory | AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack | AWS::ElasticLoadBalancing::LoadBalancer | AWS::AutoScaling::AutoScalingGroup | AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy | AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table | AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule | AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule | AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup | AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution | AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function | AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy | AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application | AWS::ElasticBeanstalk::ApplicationVersion | AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL | AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet | AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet | AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance | AWS::SSM::PatchCompliance | AWS::Shield::Protection | AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance | AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage | AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage | AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline | AWS::ServiceCatalog::CloudFormationProvisionedProduct | AWS::ServiceCatalog::CloudFormationProduct | AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key | AWS::QLDB::Ledger | AWS::SecretsManager::Secret | AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan | AWS::Backup::BackupSelection | AWS::Backup::BackupVault | AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster | AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint | AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain | AWS::EC2::TransitGateway | AWS::Kinesis::Stream | AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application | AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup

| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |

```
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
```

| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream

```
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
```

| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate | AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector | AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer | AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet | AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient | AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope | AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace | AWS::GroundStation::DataflowEndpointGroup | AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment | AWS::QuickSight::DataSource | AWS::QuickSight::Template | AWS::QuickSight::Theme | AWS::RDS::OptionGroup | AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup | AWS::SSM::Document

Required: Yes

Response Syntax

```
{
   "configurationItems": [
      {
         "accountId": "string",
         "arn": "string",
         "availabilityZone": "string",
         "awsRegion": "string",
         "configuration": "string",
         "configurationItemCaptureTime": number,
         "configurationItemDeliveryTime": number,
         "configurationItemMD5Hash": "string",
         "configurationItemStatus": "string",
         "configurationStateId": "string",
         "recordingFrequency": "string",
         "relatedEvents": [ "string" ],
         "relationships": [
            {
               "relationshipName": "string",
               "resourceId": "string",
               "resourceName": "string",
               "resourceType": "string"
            }
```

```
         ],
         "resourceCreationTime": number,
         "resourceId": "string",
         "resourceName": "string",
         "resourceType": "string",
         "supplementaryConfiguration": {
            "string" : "string"
         },
         "tags": {
            "string" : "string"
         },
         "version": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

configurationItems

A list that contains the configuration history of one or more resources.

Type: Array of ConfigurationItem objects

nextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidTimeRangeException

The specified time range is not valid. The earlier time is not chronologically before the later time.

HTTP Status Code: 400

NoAvailableConfigurationRecorderException

There are no configuration recorders available to provide the role needed to describe your resources. Create a configuration recorder.

HTTP Status Code: 400

ResourceNotDiscoveredException

You have specified a resource that is either unknown or has not been discovered.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetResourceEvaluationSummary

Returns a summary of resource evaluation for the specified resource evaluation ID from the proactive rules that were run. The results indicate which evaluation context was used to evaluate the rules, which resource details were evaluated, the evaluation mode that was run, and whether the resource details comply with the configuration of the proactive rules.

> **Note**
>
> To see additional information about the evaluation result, such as which rule flagged a resource as NON_COMPLIANT, use the GetComplianceDetailsByResource API. For more information, see the Examples section.

Request Syntax

```
{
   "ResourceEvaluationId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceEvaluationId

The unique `ResourceEvaluationId` of AWS resource execution for which you want to retrieve the evaluation summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Response Syntax

```
{
```

```
   "Compliance": "string",
   "EvaluationContext": {
      "EvaluationContextIdentifier": "string"
   },
   "EvaluationMode": "string",
   "EvaluationStartTimestamp": number,
   "EvaluationStatus": {
      "FailureReason": "string",
      "Status": "string"
   },
   "ResourceDetails": {
      "ResourceConfiguration": "string",
      "ResourceConfigurationSchemaType": "string",
      "ResourceId": "string",
      "ResourceType": "string"
   },
   "ResourceEvaluationId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Compliance

The compliance status of the resource evaluation summary.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

EvaluationContext

Returns an `EvaluationContext` object.

Type: EvaluationContext object

EvaluationMode

Lists results of the mode that you requested to retrieve the resource evaluation summary. The valid values are Detective or Proactive.

Type: String

Valid Values: `DETECTIVE | PROACTIVE`

EvaluationStartTimestamp

The start timestamp when AWS Config rule starts evaluating compliance for the provided resource details.

Type: Timestamp

EvaluationStatus

Returns an `EvaluationStatus` object.

Type: EvaluationStatus object

ResourceDetails

Returns a `ResourceDetails` object.

Type: ResourceDetails object

ResourceEvaluationId

The unique `ResourceEvaluationId` of AWS resource execution for which you want to retrieve the evaluation summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Errors

For information about the errors that are common to all actions, see Common Errors.

ResourceNotFoundException

You have specified a resource that does not exist.

HTTP Status Code: 400

Examples

Example

To see additional information about the evaluation result, such as which rule flagged a resource as NON_COMPLIANT, use the GetComplianceDetailsByResource API. For example:

```
aws configservice get-compliance-details-by-resource --resource-evaluation-id MY-
EVALUATION-ID
{
 "EvaluationResults": [
  {
   "EvaluationResultIdentifier": {
    "EvaluationResultQualifier": {
     "ConfigRuleName": "s3-bucket-logging-enabled",
     "ResourceType": "AWS::S3::Bucket",
     "ResourceId": "MY-RESOURCE-ID",
     "EvaluationMode": "PROACTIVE"
    },
    "OrderingTimestamp": "2022-12-23T14:35:40.036000-05:00",
    "ResourceEvaluationId": "MY-EVALUATION-ID"
   },
   "ComplianceType": "NON_COMPLIANT",
   "ResultRecordedTime": "2022-12-23T14:35:11.213000-05:00",
   "ConfigRuleInvokedTime": "2022-12-23T14:35:10.978000-05:00"
  }
 ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetStoredQuery

Returns the details of a specific stored query.

Request Syntax

```
{
   "QueryName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

QueryName

The name of the query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9-_]+$`

Required: Yes

Response Syntax

```
{
   "StoredQuery": {
      "Description": "string",
      "Expression": "string",
      "QueryArn": "string",
      "QueryId": "string",
      "QueryName": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

StoredQuery

Returns a `StoredQuery` object.

Type: StoredQuery object

Errors

For information about the errors that are common to all actions, see Common Errors.

ResourceNotFoundException

You have specified a resource that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAggregateDiscoveredResources

Accepts a resource type and returns a list of resource identifiers that are aggregated for a specific resource type across accounts and regions. A resource identifier includes the resource type, ID, (if available) the custom resource name, source account, and source region. You can narrow the results to include only resources that have specific resource IDs, or a resource name, or source account ID, or source region.

For example, if the input consists of accountID 12345678910 and the region is us-east-1 for resource type `AWS::EC2::Instance` then the API returns all the EC2 instance identifiers of accountID 12345678910 and region us-east-1.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "Filters": {
      "AccountId": "string",
      "Region": "string",
      "ResourceId": "string",
      "ResourceName": "string"
   },
   "Limit": number,
   "NextToken": "string",
   "ResourceType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Filters

Filters the results based on the `ResourceFilters` object.

Type: ResourceFilters object

Required: No

Limit

The maximum number of resource identifiers returned on each page. You cannot specify a number greater than 100. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

ResourceType

The type of resources that you want AWS Config to list in the response.

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role |`

```
AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer |
AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup
| AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot
| AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot
| AWS::RDS::EventSubscription | AWS::S3::Bucket |
AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster |
AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup |
AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup
| AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory
| AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |
AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
```

| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace

| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |

AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession | AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias | AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration | AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens | AWS::IoT::ScheduledAudit | AWS::Events::Connection | AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration | AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig | AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster | AWS::Route53RecoveryControl::SafetyRule | AWS::Route53RecoveryControl::ControlPanel | AWS::Route53RecoveryControl::RoutingControl | AWS::Route53RecoveryReadiness::ResourceSet | AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication | AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment | AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule | AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath | AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM | AWS::IoTTwinMaker::Scene | AWS::NetworkManager::TransitGatewayRegistration | AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool | AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy | AWS::AppFlow::Flow | AWS::AuditManager::Assessment | AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile | AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet | AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule | AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline | AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile | AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork | AWS::NetworkManager::Link | AWS::NetworkManager::Site | AWS::Panorama::Package | AWS::Pinpoint::App | AWS::Redshift::ScheduledAction | AWS::Route53Resolver::FirewallRuleGroupAssociation | AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image | AWS::ECS::TaskSet | AWS::Cassandra::Keyspace | AWS::Signer::SigningProfile | AWS::Amplify::App | AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |

```
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
```

AWS::Route53Resolver::ResolverQueryLoggingConfig | AWS::Batch::SchedulingPolicy | AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute | AWS::AppMesh::Mesh | AWS::Connect::Instance | AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway | AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect | AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider | AWS::IAM::InstanceProfile | AWS::IoT::CACertificate | AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector | AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer | AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet | AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient | AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope | AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace | AWS::GroundStation::DataflowEndpointGroup | AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment | AWS::QuickSight::DataSource | AWS::QuickSight::Template | AWS::QuickSight::Theme | AWS::RDS::OptionGroup | AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup | AWS::SSM::Document

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "ResourceIdentifiers": [
      {
         "ResourceId": "string",
         "ResourceName": "string",
         "ResourceType": "string",
         "SourceAccountId": "string",
         "SourceRegion": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

ResourceIdentifiers

Returns a list of `ResourceIdentifiers` objects.

Type: Array of AggregateResourceIdentifier objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListConformancePackComplianceScores

Returns a list of conformance pack compliance scores. A compliance score is the percentage of the number of compliant rule-resource combinations in a conformance pack compared to the number of total possible rule-resource combinations in the conformance pack. This metric provides you with a high-level view of the compliance state of your conformance packs. You can use it to identify, investigate, and understand the level of compliance in your conformance packs.

> **Note**
>
> Conformance packs with no evaluation results will have a compliance score of `INSUFFICIENT_DATA`.

Request Syntax

```
{
   "Filters": {
      "ConformancePackNames": [ "string" ]
   },
   "Limit": number,
   "NextToken": "string",
   "SortBy": "string",
   "SortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

Filters the results based on the `ConformancePackComplianceScoresFilters`.

Type: ConformancePackComplianceScoresFilters object

Required: No

Limit

The maximum number of conformance pack compliance scores returned on each page.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

NextToken

The `nextToken` string in a prior request that you can use to get the paginated response for the next set of conformance pack compliance scores.

Type: String

Required: No

SortBy

Sorts your conformance pack compliance scores in either ascending or descending order, depending on `SortOrder`.

By default, conformance pack compliance scores are sorted in alphabetical order by name of the conformance pack. Enter `SCORE`, to sort conformance pack compliance scores by the numerical value of the compliance score.

Type: String

Valid Values: `SCORE`

Required: No

SortOrder

Determines the order in which conformance pack compliance scores are sorted. Either in ascending or descending order.

By default, conformance pack compliance scores are sorted in alphabetical order by name of the conformance pack. Conformance pack compliance scores are sorted in reverse alphabetical order if you enter `DESCENDING`.

You can sort conformance pack compliance scores by the numerical value of the compliance score by entering SCORE in the SortBy action. When compliance scores are sorted by SCORE, conformance packs with a compliance score of INSUFFICIENT_DATA will be last when sorting by ascending order and first when sorting by descending order.

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

Response Syntax

```
{
   "ConformancePackComplianceScores": [
      {
         "ConformancePackName": "string",
         "LastUpdatedTime": number,
         "Score": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConformancePackComplianceScores

A list of ConformancePackComplianceScore objects.

Type: Array of ConformancePackComplianceScore objects

NextToken

The nextToken string that you can use to get the next page of results in a paginated response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListDiscoveredResources

Accepts a resource type and returns a list of resource identifiers for the resources of that type. A resource identifier includes the resource type, ID, and (if available) the custom resource name. The results consist of resources that AWS Config has discovered, including those that AWS Config is not currently recording. You can narrow the results to include only resources that have specific resource IDs or a resource name.

> **Note**
>
> You can specify either resource IDs or a resource name, but not both, in the same request.

The response is paginated. By default, AWS Config lists 100 resource identifiers on each page. You can customize this number with the `limit` parameter. The response includes a `nextToken` string. To get the next page of results, run the request again and specify the string for the `nextToken` parameter.

Request Syntax

```
{
   "includeDeletedResources": boolean,
   "limit": number,
   "nextToken": "string",
   "resourceIds": [ "string" ],
   "resourceName": "string",
   "resourceType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

includeDeletedResources

Specifies whether AWS Config includes deleted resources in the results. By default, deleted resources are not included.

Type: Boolean

Required: No

limit

The maximum number of resource identifiers returned on each page. The default is 100. You cannot specify a number greater than 100. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

nextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

resourceIds

The IDs of only those resources that you want AWS Config to list in the response. If you do not specify this parameter, AWS Config lists all resources of the specified type that it has discovered. You can list a minimum of 1 resourceID and a maximum of 20 resourceIds.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

resourceName

The custom name of only those resources that you want AWS Config to list in the response. If you do not specify this parameter, AWS Config lists all resources of the specified type that it has discovered.

Type: String

Required: No

resourceType

The type of resources that you want AWS Config to list in the response.

Type: String

Valid Values: AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup | AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup | AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory | AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack | AWS::ElasticLoadBalancing::LoadBalancer | AWS::AutoScaling::AutoScalingGroup | AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy | AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table | AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule | AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule | AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup | AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution | AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function | AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy

| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |

```
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
```

AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |

```
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
```

AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document

Required: Yes

Response Syntax

```
{
   "nextToken": "string",
   "resourceIdentifiers": [
      {
         "resourceDeletionTime": number,
         "resourceId": "string",
         "resourceName": "string",
         "resourceType": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

The string that you use in a subsequent request to get the next page of results in a paginated response.

Type: String

resourceIdentifiers

The details that identify a resource that is discovered by AWS Config, including the resource type, ID, and (if available) the custom resource name.

Type: Array of ResourceIdentifier objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoAvailableConfigurationRecorderException

There are no configuration recorders available to provide the role needed to describe your resources. Create a configuration recorder.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListResourceEvaluations

Returns a list of proactive resource evaluations.

Request Syntax

```
{
   "Filters": {
      "EvaluationContextIdentifier": "string",
      "EvaluationMode": "string",
      "TimeWindow": {
         "EndTime": number,
         "StartTime": number
      }
   },
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

Returns a `ResourceEvaluationFilters` object.

Type: ResourceEvaluationFilters object

Required: No

Limit

The maximum number of evaluations returned on each page. The default is 10. You cannot specify a number greater than 100. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "ResourceEvaluations": [
      {
         "EvaluationMode": "string",
         "EvaluationStartTimestamp": number,
         "ResourceEvaluationId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The nextToken string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

ResourceEvaluations

Returns a ResourceEvaluations object.

Type: Array of ResourceEvaluation objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

InvalidTimeRangeException

The specified time range is not valid. The earlier time is not chronologically before the later time.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListStoredQueries

Lists the stored queries for a single AWS account and a single AWS Region. The default is 100.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of results to be returned with a single call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The nextToken string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "StoredQueryMetadata": [
      {
```

```
            "Description": "string",
            "QueryArn": "string",
            "QueryId": "string",
            "QueryName": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If the previous paginated request didn't return all of the remaining results, the response object's `NextToken` parameter value is set to a token. To retrieve the next set of results, call this action again and assign that token to the request object's `NextToken` parameter. If there are no remaining results, the previous response object's `NextToken` parameter is set to `null`.

Type: String

StoredQueryMetadata

A list of `StoredQueryMetadata` objects.

Type: Array of StoredQueryMetadata objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

List the tags for AWS Config resource.

Request Syntax

```
{
   "Limit": number,
   "NextToken": "string",
   "ResourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Limit

The maximum number of tags returned on each page. The limit maximum is 50. You cannot specify a number greater than 50. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Required: No

ResourceArn

The Amazon Resource Name (ARN) that identifies the resource for which to list the tags. Currently, the supported resources are `ConfigRule`, `ConfigurationAggregator` and `AggregatorAuthorization`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned on a previous page that you use to get the next page of results in a paginated response.

Type: String

Tags

The tags for the resource.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

ResourceNotFoundException

You have specified a resource that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutAggregationAuthorization

Authorizes the aggregator account and region to collect data from the source account and region.

> **Note**
>
> `PutAggregationAuthorization` is an idempotent API. Subsequent requests won't create a duplicate resource if one was already created. If a following request has different `tags` values, AWS Config will ignore these differences and treat it as an idempotent request of the previous. In this case, `tags` will not be updated, even if they are different.

Request Syntax

```
{
   "AuthorizedAccountId": "string",
   "AuthorizedAwsRegion": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AuthorizedAccountId

The 12-digit account ID of the account authorized to aggregate data.

Type: String

Pattern: `\d{12}`

Required: Yes

AuthorizedAwsRegion

The region authorized to collect aggregated data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

Tags

An array of tag object.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

Response Syntax

```
{
   "AggregationAuthorization": {
      "AggregationAuthorizationArn": "string",
      "AuthorizedAccountId": "string",
      "AuthorizedAwsRegion": "string",
      "CreationTime": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregationAuthorization

Returns an AggregationAuthorization object.

Type: AggregationAuthorization object

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigRule

Adds or updates an AWS Config rule to evaluate if your AWS resources comply with your desired configurations. For information on how many AWS Config rules you can have per account, see **Service Limits** in the *AWS Config Developer Guide*.

There are two types of rules: *AWS Config Managed Rules* and *AWS Config Custom Rules*. You can use `PutConfigRule` to create both AWS Config Managed Rules and AWS Config Custom Rules.

AWS Config Managed Rules are predefined, customizable rules created by AWS Config. For a list of managed rules, see List of AWS Config Managed Rules. If you are adding an AWS Config managed rule, you must specify the rule's identifier for the `SourceIdentifier` key.

AWS Config Custom Rules are rules that you create from scratch. There are two ways to create AWS Config custom rules: with Lambda functions (AWS Lambda Developer Guide) and with Guard (Guard GitHub Repository), a policy-as-code language. AWS Config custom rules created with AWS Lambda are called *AWS Config Custom Lambda Rules* and AWS Config custom rules created with Guard are called *AWS Config Custom Policy Rules*.

If you are adding a new AWS Config Custom Lambda rule, you first need to create an AWS Lambda function that the rule invokes to evaluate your resources. When you use `PutConfigRule` to add a Custom Lambda rule to AWS Config, you must specify the Amazon Resource Name (ARN) that AWS Lambda assigns to the function. You specify the ARN in the `SourceIdentifier` key. This key is part of the `Source` object, which is part of the `ConfigRule` object.

For any new AWS Config rule that you add, specify the `ConfigRuleName` in the `ConfigRule` object. Do not specify the `ConfigRuleArn` or the `ConfigRuleId`. These values are generated by AWS Config for new rules.

If you are updating a rule that you added previously, you can specify the rule by `ConfigRuleName`, `ConfigRuleId`, or `ConfigRuleArn` in the `ConfigRule` data type that you use in this request.

For more information about developing and using AWS Config rules, see Evaluating Resources with AWS Config Rules in the *AWS Config Developer Guide*.

Note

`PutConfigRule` is an idempotent API. Subsequent requests won't create a duplicate resource if one was already created. If a following request has different `tags` values, AWS

Config will ignore these differences and treat it as an idempotent request of the previous. In this case, `tags` will not be updated, even if they are different.

Request Syntax

```
{
   "ConfigRule": {
      "ConfigRuleArn": "string",
      "ConfigRuleId": "string",
      "ConfigRuleName": "string",
      "ConfigRuleState": "string",
      "CreatedBy": "string",
      "Description": "string",
      "EvaluationModes": [
         {
            "Mode": "string"
         }
      ],
      "InputParameters": "string",
      "MaximumExecutionFrequency": "string",
      "Scope": {
         "ComplianceResourceId": "string",
         "ComplianceResourceTypes": [ "string" ],
         "TagKey": "string",
         "TagValue": "string"
      },
      "Source": {
         "CustomPolicyDetails": {
            "EnableDebugLogDelivery": boolean,
            "PolicyRuntime": "string",
            "PolicyText": "string"
         },
         "Owner": "string",
         "SourceDetails": [
            {
               "EventSource": "string",
               "MaximumExecutionFrequency": "string",
               "MessageType": "string"
            }
         ],
         "SourceIdentifier": "string"
```

```
      }
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRule

The rule that you want to add to your account.

Type: ConfigRule object

Required: Yes

Tags

An array of tag object.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.
- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:
  - You do not have permission to call IAM `GetRole` action or create a service-linked role.
  - You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

MaxNumberOfConfigRulesExceededException

Failed to add the AWS Config rule because the account already contains the maximum number of 1000 rules. Consider deleting any deactivated rules before you add new rules.

HTTP Status Code: 400

NoAvailableConfigurationRecorderException

There are no configuration recorders available to provide the role needed to describe your resources. Create a configuration recorder.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.

- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.
- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigurationAggregator

Creates and updates the configuration aggregator with the selected source accounts and regions. The source account can be individual account(s) or an organization.

`accountIds` that are passed will be replaced with existing accounts. If you want to add additional accounts into the aggregator, call `DescribeConfigurationAggregators` to get the previous accounts and then append new ones.

> **Note**
>
> AWS Config should be enabled in source accounts and regions you want to aggregate. If your source type is an organization, you must be signed in to the management account or a registered delegated administrator and all the features must be enabled in your organization. If the caller is a management account, AWS Config calls `EnableAwsServiceAccess` API to enable integration between AWS Config and AWS Organizations. If the caller is a registered delegated administrator, AWS Config calls `ListDelegatedAdministrators` API to verify whether the caller is a valid delegated administrator.
> To register a delegated administrator, see Register a Delegated Administrator in the *AWS Config developer guide*.

> **Note**
>
> `PutConfigurationAggregator` is an idempotent API. Subsequent requests won't create a duplicate resource if one was already created. If a following request has different `tags` values, AWS Config will ignore these differences and treat it as an idempotent request of the previous. In this case, `tags` will not be updated, even if they are different.

Request Syntax

```
{
   "AccountAggregationSources": [
      {
         "AccountIds": [ "string" ],
```

```
            "AllAwsRegions": boolean,
            "AwsRegions": [ "string" ]
         }
      ],
      "ConfigurationAggregatorName": "string",
      "OrganizationAggregationSource": {
         "AllAwsRegions": boolean,
         "AwsRegions": [ "string" ],
         "RoleArn": "string"
      },
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountAggregationSources

A list of AccountAggregationSource object.

Type: Array of AccountAggregationSource objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

OrganizationAggregationSource

An OrganizationAggregationSource object.

Type: OrganizationAggregationSource object

Required: No

Tags

An array of tag object.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

Response Syntax

```
{
   "ConfigurationAggregator": {
      "AccountAggregationSources": [
         {
            "AccountIds": [ "string" ],
            "AllAwsRegions": boolean,
            "AwsRegions": [ "string" ]
         }
      ],
      "ConfigurationAggregatorArn": "string",
      "ConfigurationAggregatorName": "string",
      "CreatedBy": "string",
      "CreationTime": number,
      "LastUpdatedTime": number,
      "OrganizationAggregationSource": {
         "AllAwsRegions": boolean,
         "AwsRegions": [ "string" ],
         "RoleArn": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConfigurationAggregator

Returns a ConfigurationAggregator object.

Type: ConfigurationAggregator object

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

InvalidRoleException

You have provided a null or empty Amazon Resource Name (ARN) for the IAM role assumed by AWS Config and used by the configuration recorder.

HTTP Status Code: 400

LimitExceededException

For `StartConfigRulesEvaluation` API, this exception is thrown if an evaluation is in progress or if you call the StartConfigRulesEvaluation API more than once per minute.

For `PutConfigurationAggregator` API, this exception is thrown if the number of accounts and aggregators exceeds the limit.

HTTP Status Code: 400

NoAvailableOrganizationException

Organization is no longer available.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

OrganizationAllFeaturesNotEnabledException

AWS Config resource cannot be created because your organization does not have all features enabled.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigurationRecorder

Creates a new configuration recorder to record configuration changes for specified resource types.

You can also use this action to change the `roleARN` or the `recordingGroup` of an existing recorder. For more information, see **Managing the Configuration Recorder** in the *AWS Config Developer Guide*.

> **Note**
>
> You can specify only one configuration recorder for each AWS Region for each account. If the configuration recorder does not have the `recordingGroup` field specified, the default is to record all supported resource types.

Request Syntax

```
{
   "ConfigurationRecorder": {
      "name": "string",
      "recordingGroup": {
         "allSupported": boolean,
         "exclusionByResourceTypes": {
            "resourceTypes": [ "string" ]
         },
         "includeGlobalResourceTypes": boolean,
         "recordingStrategy": {
            "useOnly": "string"
         },
         "resourceTypes": [ "string" ]
      },
      "recordingMode": {
         "recordingFrequency": "string",
         "recordingModeOverrides": [
            {
               "description": "string",
               "recordingFrequency": "string",
               "resourceTypes": [ "string" ]
            }
         ]
      },
```

```
        "roleARN": "string"
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationRecorder

An object for the configuration recorder to record configuration changes for specified resource types.

Type: ConfigurationRecorder object

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidConfigurationRecorderNameException

You have provided a name for the configuration recorder that is not valid.

HTTP Status Code: 400

InvalidRecordingGroupException

Indicates one of the following errors:

- You have provided a combination of parameter values that is not valid. For example:
  - Setting the `allSupported` field of RecordingGroup to `true`, but providing a non-empty list for the `resourceTypes`field of RecordingGroup.
  - Setting the `allSupported` field of RecordingGroup to `true`, but also setting the `useOnly` field of RecordingStrategy to `EXCLUSION_BY_RESOURCE_TYPES`.

- Every parameter is either null, false, or empty.
- You have reached the limit of the number of resource types you can provide for the recording group.
- You have provided resource types or a recording strategy that are not valid.

HTTP Status Code: 400

InvalidRoleException

You have provided a null or empty Amazon Resource Name (ARN) for the IAM role assumed by AWS Config and used by the configuration recorder.

HTTP Status Code: 400

MaxNumberOfConfigurationRecordersExceededException

You have reached the limit of the number of configuration recorders you can create.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConformancePack

Creates or updates a conformance pack. A conformance pack is a collection of AWS Config rules that can be easily deployed in an account and a region and across an organization. For information on how many conformance packs you can have per account, see **Service Limits** in the *AWS Config Developer Guide*.

This API creates a service-linked role `AWSServiceRoleForConfigConforms` in your account. The service-linked role is created only when the role does not exist in your account.

> **Note**
>
> You must specify only one of the follow parameters: `TemplateS3Uri`, `TemplateBody` or `TemplateSSMDocumentDetails`.

Request Syntax

```
{
   "ConformancePackInputParameters": [
      {
         "ParameterName": "string",
         "ParameterValue": "string"
      }
   ],
   "ConformancePackName": "string",
   "DeliveryS3Bucket": "string",
   "DeliveryS3KeyPrefix": "string",
   "TemplateBody": "string",
   "TemplateS3Uri": "string",
   "TemplateSSMDocumentDetails": {
      "DocumentName": "string",
      "DocumentVersion": "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConformancePackInputParameters

A list of `ConformancePackInputParameter` objects.

Type: Array of ConformancePackInputParameter objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

Required: No

ConformancePackName

The unique name of the conformance pack you want to deploy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

DeliveryS3Bucket

The name of the Amazon S3 bucket where AWS Config stores conformance pack templates.

> **Note**
>
> This field is optional.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Required: No

DeliveryS3KeyPrefix

The prefix for the Amazon S3 bucket.

> **Note**
>
> This field is optional.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

TemplateBody

A string containing the full conformance pack template body. The structure containing the template body has a minimum length of 1 byte and a maximum length of 51,200 bytes.

> **Note**
>
> You can use a YAML template with two resource types: AWS Config rule (`AWS::Config::ConfigRule`) and remediation action (`AWS::Config::RemediationConfiguration`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

TemplateS3Uri

The location of the file containing the template body (`s3://bucketname/prefix`). The uri must point to a conformance pack template (max size: 300 KB) that is located in an Amazon S3 bucket in the same Region as the conformance pack.

> **Note**
>
> You must have access to read Amazon S3 bucket. In addition, in order to ensure a successful deployment, the template object must not be in an archived storage class if this parameter is passed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `s3://.*`

Required: No

TemplateSSMDocumentDetails

An object of type `TemplateSSMDocumentDetails`, which contains the name or the Amazon Resource Name (ARN) of the AWS Systems Manager document (SSM document) and the version of the SSM document that is used to create a conformance pack.

Type: TemplateSSMDocumentDetails object

Required: No

Response Syntax

```
{
   "ConformancePackArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConformancePackArn

ARN of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

For information about the errors that are common to all actions, see Common Errors.

ConformancePackTemplateValidationException

You have specified a template that is not valid or supported.

HTTP Status Code: 400

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.
- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:
  - You do not have permission to call IAM `GetRole` action or create a service-linked role.
  - You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

MaxNumberOfConformancePacksExceededException

You have reached the limit of the number of conformance packs you can create in an account. For more information, see **Service Limits** in the *AWS Config Developer Guide*.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.
- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.

- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutDeliveryChannel

Creates a delivery channel object to deliver configuration information and other compliance information to an Amazon S3 bucket and Amazon SNS topic. For more information, see Notifications that AWS Config Sends to an Amazon SNS topic.

Before you can create a delivery channel, you must create a configuration recorder.

You can use this action to change the Amazon S3 bucket or an Amazon SNS topic of the existing delivery channel. To change the Amazon S3 bucket or an Amazon SNS topic, call this action and specify the changed values for the S3 bucket and the SNS topic. If you specify a different value for either the S3 bucket or the SNS topic, this action will keep the existing value for the parameter that is not changed.

> **Note**
>
> You can have only one delivery channel per region in your account.

Request Syntax

```
{
   "DeliveryChannel": {
      "configSnapshotDeliveryProperties": {
         "deliveryFrequency": "string"
      },
      "name": "string",
      "s3BucketName": "string",
      "s3KeyPrefix": "string",
      "s3KmsKeyArn": "string",
      "snsTopicARN": "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DeliveryChannel

The configuration delivery channel object that delivers the configuration information to an Amazon S3 bucket and to an Amazon SNS topic.

Type: DeliveryChannel object

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientDeliveryPolicyException

Your Amazon S3 bucket policy does not permit AWS Config to write to it.

HTTP Status Code: 400

InvalidDeliveryChannelNameException

The specified delivery channel name is not valid.

HTTP Status Code: 400

InvalidS3KeyPrefixException

The specified Amazon S3 key prefix is not valid.

HTTP Status Code: 400

InvalidS3KmsKeyArnException

The specified Amazon KMS Key ARN is not valid.

HTTP Status Code: 400

InvalidSNSTopicARNException

The specified Amazon SNS topic does not exist.

HTTP Status Code: 400

MaxNumberOfDeliveryChannelsExceededException

You have reached the limit of the number of delivery channels you can create.

HTTP Status Code: 400

NoAvailableConfigurationRecorderException

There are no configuration recorders available to provide the role needed to describe your resources. Create a configuration recorder.

HTTP Status Code: 400

NoSuchBucketException

The specified Amazon S3 bucket does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutEvaluations

Used by an AWS Lambda function to deliver evaluation results to AWS Config. This action is required in every AWS Lambda function that is invoked by an AWS Config rule.

Request Syntax

```
{
   "Evaluations": [
      {
         "Annotation": "string",
         "ComplianceResourceId": "string",
         "ComplianceResourceType": "string",
         "ComplianceType": "string",
         "OrderingTimestamp": number
      }
   ],
   "ResultToken": "string",
   "TestMode": boolean
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Evaluations

The assessments that the AWS Lambda function performs. Each evaluation identifies an AWS resource and indicates whether it complies with the AWS Config rule that invokes the AWS Lambda function.

Type: Array of Evaluation objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Required: No

ResultToken

An encrypted token that associates an evaluation with an AWS Config rule. Identifies the rule and the event that triggered the evaluation.

Type: String

Required: Yes

TestMode

Use this parameter to specify a test run for `PutEvaluations`. You can verify whether your AWS Lambda function will deliver evaluation results to AWS Config. No updates occur to your existing evaluations, and evaluation results are not sent to AWS Config.

> **Note**
>
> When `TestMode` is `true`, `PutEvaluations` doesn't require a valid value for the `ResultToken` parameter, but the value cannot be null.

Type: Boolean

Required: No

Response Syntax

```
{
   "FailedEvaluations": [
      {
         "Annotation": "string",
         "ComplianceResourceId": "string",
         "ComplianceResourceType": "string",
         "ComplianceType": "string",
         "OrderingTimestamp": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailedEvaluations

Requests that failed because of a client or server error.

Type: Array of Evaluation objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

InvalidResultTokenException

The specified `ResultToken` is not valid.

HTTP Status Code: 400

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutExternalEvaluation

Add or updates the evaluations for process checks. This API checks if the rule is a process check when the name of the AWS Config rule is provided.

Request Syntax

```
{
   "ConfigRuleName": "string",
   "ExternalEvaluation": {
      "Annotation": "string",
      "ComplianceResourceId": "string",
      "ComplianceResourceType": "string",
      "ComplianceType": "string",
      "OrderingTimestamp": number
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

ExternalEvaluation

An `ExternalEvaluation` object that provides details about compliance.

Type: ExternalEvaluation object

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutOrganizationConfigRule

Adds or updates an AWS Config rule for your entire organization to evaluate if your AWS resources comply with your desired configurations. For information on how many organization AWS Config rules you can have per account, see **Service Limits** in the *AWS Config Developer Guide*.

Only a management account and a delegated administrator can create or update an organization AWS Config rule. When calling this API with a delegated administrator, you must ensure AWS Organizations `ListDelegatedAdministrator` permissions are added. An organization can have up to 3 delegated administrators.

This API enables organization service access through the `EnableAWSServiceAccess` action and creates a service-linked role `AWSServiceRoleForConfigMultiAccountSetup` in the management or delegated administrator account of your organization. The service-linked role is created only when the role does not exist in the caller account. AWS Config verifies the existence of role with `GetRole` action.

To use this API with delegated administrator, register a delegated administrator by calling AWS Organization `register-delegated-administrator` for `config-multiaccountsetup.amazonaws.com`.

There are two types of rules: *AWS Config Managed Rules* and *AWS Config Custom Rules*. You can use `PutOrganizationConfigRule` to create both AWS Config Managed Rules and AWS Config Custom Rules.

AWS Config Managed Rules are predefined, customizable rules created by AWS Config. For a list of managed rules, see List of AWS Config Managed Rules. If you are adding an AWS Config managed rule, you must specify the rule's identifier for the `RuleIdentifier` key.

AWS Config Custom Rules are rules that you create from scratch. There are two ways to create AWS Config custom rules: with Lambda functions (AWS Lambda Developer Guide) and with Guard (Guard GitHub Repository), a policy-as-code language. AWS Config custom rules created with AWS Lambda are called *AWS Config Custom Lambda Rules* and AWS Config custom rules created with Guard are called *AWS Config Custom Policy Rules*.

If you are adding a new AWS Config Custom Lambda rule, you first need to create an AWS Lambda function in the management account or a delegated administrator that the rule invokes to evaluate your resources. You also need to create an IAM role in the managed account that can be assumed

by the Lambda function. When you use `PutOrganizationConfigRule` to add a Custom Lambda rule to AWS Config, you must specify the Amazon Resource Name (ARN) that AWS Lambda assigns to the function.

> **Note**
>
> Prerequisite: Ensure you call `EnableAllFeatures` API to enable all features in an organization.
> Make sure to specify one of either `OrganizationCustomPolicyRuleMetadata` for Custom Policy rules, `OrganizationCustomRuleMetadata` for Custom Lambda rules, or `OrganizationManagedRuleMetadata` for managed rules.

Request Syntax

```
{
   "ExcludedAccounts": [ "string" ],
   "OrganizationConfigRuleName": "string",
   "OrganizationCustomPolicyRuleMetadata": {
      "DebugLogDeliveryAccounts": [ "string" ],
      "Description": "string",
      "InputParameters": "string",
      "MaximumExecutionFrequency": "string",
      "OrganizationConfigRuleTriggerTypes": [ "string" ],
      "PolicyRuntime": "string",
      "PolicyText": "string",
      "ResourceIdScope": "string",
      "ResourceTypesScope": [ "string" ],
      "TagKeyScope": "string",
      "TagValueScope": "string"
   },
   "OrganizationCustomRuleMetadata": {
      "Description": "string",
      "InputParameters": "string",
      "LambdaFunctionArn": "string",
      "MaximumExecutionFrequency": "string",
      "OrganizationConfigRuleTriggerTypes": [ "string" ],
      "ResourceIdScope": "string",
      "ResourceTypesScope": [ "string" ],
      "TagKeyScope": "string",
      "TagValueScope": "string"
```

```
    },
    "OrganizationManagedRuleMetadata": {
       "Description": "string",
       "InputParameters": "string",
       "MaximumExecutionFrequency": "string",
       "ResourceIdScope": "string",
       "ResourceTypesScope": [ "string" ],
       "RuleIdentifier": "string",
       "TagKeyScope": "string",
       "TagValueScope": "string"
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ExcludedAccounts

A comma-separated list of accounts that you want to exclude from an organization AWS Config rule.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Pattern: `\d{12}`

Required: No

OrganizationConfigRuleName

The name that you assign to an organization AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.*\S.*`

Required: Yes

OrganizationCustomPolicyRuleMetadata

An `OrganizationCustomPolicyRuleMetadata` object. This object specifies metadata for your organization's AWS Config Custom Policy rule. The metadata includes the runtime system in use, which accounts have debug logging enabled, and other custom rule metadata, such as resource type, resource ID of AWS resource, and organization trigger types that initiate AWS Config to evaluate AWS resources against a rule.

Type: OrganizationCustomPolicyRuleMetadata object

Required: No

OrganizationCustomRuleMetadata

An `OrganizationCustomRuleMetadata` object. This object specifies organization custom rule metadata such as resource type, resource ID of AWS resource, Lambda function ARN, and organization trigger types that trigger AWS Config to evaluate your AWS resources against a rule. It also provides the frequency with which you want AWS Config to run evaluations for the rule if the trigger type is periodic.

Type: OrganizationCustomRuleMetadata object

Required: No

OrganizationManagedRuleMetadata

An `OrganizationManagedRuleMetadata` object. This object specifies organization managed rule metadata such as resource type and ID of AWS resource along with the rule identifier. It also provides the frequency with which you want AWS Config to run evaluations for the rule if the trigger type is periodic.

Type: OrganizationManagedRuleMetadata object

Required: No

Response Syntax

```
{
   "OrganizationConfigRuleArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

OrganizationConfigRuleArn

The Amazon Resource Name (ARN) of an organization AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.
- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:
  - You do not have permission to call IAM `GetRole` action or create a service-linked role.
  - You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

MaxNumberOfOrganizationConfigRulesExceededException

You have reached the limit of the number of organization AWS Config rules you can create. For more information, see see **Service Limits** in the *AWS Config Developer Guide*.

HTTP Status Code: 400

NoAvailableOrganizationException

Organization is no longer available.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.
- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

OrganizationAllFeaturesNotEnabledException

AWS Config resource cannot be created because your organization does not have all features enabled.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.
- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutOrganizationConformancePack

Deploys conformance packs across member accounts in an AWS Organization. For information on how many organization conformance packs and how many AWS Config rules you can have per account, see **Service Limits** in the *AWS Config Developer Guide*.

Only a management account and a delegated administrator can call this API. When calling this API with a delegated administrator, you must ensure AWS Organizations `ListDelegatedAdministrator` permissions are added. An organization can have up to 3 delegated administrators.

This API enables organization service access for `config-multiaccountsetup.amazonaws.com` through the `EnableAWSServiceAccess` action and creates a service-linked role `AWSServiceRoleForConfigMultiAccountSetup` in the management or delegated administrator account of your organization. The service-linked role is created only when the role does not exist in the caller account. To use this API with delegated administrator, register a delegated administrator by calling AWS Organization `register-delegate-admin` for `config-multiaccountsetup.amazonaws.com`.

Note

Prerequisite: Ensure you call `EnableAllFeatures` API to enable all features in an organization.
You must specify either the `TemplateS3Uri` or the `TemplateBody` parameter, but not both. If you provide both AWS Config uses the `TemplateS3Uri` parameter and ignores the `TemplateBody` parameter.
AWS Config sets the state of a conformance pack to CREATE_IN_PROGRESS and UPDATE_IN_PROGRESS until the conformance pack is created or updated. You cannot update a conformance pack while it is in this state.

Request Syntax

```
{
   "ConformancePackInputParameters": [
      {
         "ParameterName": "string",
         "ParameterValue": "string"
```

```
      }
   ],
   "DeliveryS3Bucket": "string",
   "DeliveryS3KeyPrefix": "string",
   "ExcludedAccounts": [ "string" ],
   "OrganizationConformancePackName": "string",
   "TemplateBody": "string",
   "TemplateS3Uri": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConformancePackInputParameters

A list of `ConformancePackInputParameter` objects.

Type: Array of ConformancePackInputParameter objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

Required: No

DeliveryS3Bucket

The name of the Amazon S3 bucket where AWS Config stores conformance pack templates.

> **Note**
>
> This field is optional. If used, it must be prefixed with `awsconfigconforms`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Required: No

DeliveryS3KeyPrefix

The prefix for the Amazon S3 bucket.

> **Note**
>
> This field is optional.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

ExcludedAccounts

A list of AWS accounts to be excluded from an organization conformance pack while deploying a conformance pack.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Pattern: `\d{12}`

Required: No

OrganizationConformancePackName

Name of the organization conformance pack you want to create.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

TemplateBody

A string containing full conformance pack template body. Structure containing the template body with a minimum length of 1 byte and a maximum length of 51,200 bytes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

TemplateS3Uri

Location of file containing the template body. The uri must point to the conformance pack template (max size: 300 KB).

> **Note**
>
> You must have access to read Amazon S3 bucket. In addition, in order to ensure a successful deployment, the template object must not be in an archived storage class if this parameter is passed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `s3://.*`

Required: No

Response Syntax

```
{
   "OrganizationConformancePackArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

OrganizationConformancePackArn

ARN of the organization conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.
- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:
  - You do not have permission to call IAM `GetRole` action or create a service-linked role.
  - You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

MaxNumberOfOrganizationConformancePacksExceededException

You have reached the limit of the number of organization conformance packs you can create in an account. For more information, see **Service Limits** in the *AWS Config Developer Guide*.

HTTP Status Code: 400

NoAvailableOrganizationException

Organization is no longer available.

HTTP Status Code: 400

OrganizationAccessDeniedException

For `PutConfigurationAggregator` API, you can see this exception for the following reasons:

- No permission to call `EnableAWSServiceAccess` API
- The configuration aggregator cannot be updated because your AWS Organization management account or the delegated administrator role changed. Delete this aggregator and create a new one with the current AWS Organization.

- The configuration aggregator is associated with a previous AWS Organization and AWS Config cannot aggregate data with current AWS Organization. Delete this aggregator and create a new one with the current AWS Organization.
- You are not a registered delegated administrator for AWS Config with permissions to call `ListDelegatedAdministrators` API. Ensure that the management account registers delagated administrator for AWS Config service principle name before the delegated administrator creates an aggregator.

For all `OrganizationConfigRule` and `OrganizationConformancePack` APIs, AWS Config throws an exception if APIs are called from member accounts. All APIs must be called from organization management account.

HTTP Status Code: 400

OrganizationAllFeaturesNotEnabledException

AWS Config resource cannot be created because your organization does not have all features enabled.

HTTP Status Code: 400

OrganizationConformancePackTemplateValidationException

You have specified a template that is not valid or supported.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.
- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.

- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutRemediationConfigurations

Adds or updates the remediation configuration with a specific AWS Config rule with the selected target or action. The API creates the `RemediationConfiguration` object for the AWS Config rule. The AWS Config rule must already exist for you to add a remediation configuration. The target (SSM document) must exist and have permissions to use the target.

Note

Be aware of backward incompatible changes
If you make backward incompatible changes to the SSM document, you must call this again to ensure the remediations can run.
This API does not support adding remediation configurations for service-linked AWS Config Rules such as Organization AWS Config rules, the rules deployed by conformance packs, and rules deployed by AWS Security Hub.

Note

Required fields
For manual remediation configuration, you need to provide a value for `automationAssumeRole` or use a value in the `assumeRole`field to remediate your resources. The SSM automation document can use either as long as it maps to a valid parameter.
However, for automatic remediation configuration, the only valid `assumeRole` field value is `AutomationAssumeRole` and you need to provide a value for `AutomationAssumeRole` to remediate your resources.

Note

Auto remediation can be initiated even for compliant resources
If you enable auto remediation for a specific AWS Config rule using the PutRemediationConfigurations API or the AWS Config console, it initiates the remediation process for all non-compliant resources for that specific rule. The auto remediation process relies on the compliance data snapshot which is captured on a periodic basis. Any non-

compliant resource that is updated between the snapshot schedule will continue to be remediated based on the last known compliance data snapshot.
This means that in some cases auto remediation can be initiated even for compliant resources, since the bootstrap processor uses a database that can have stale evaluation results based on the last known compliance data snapshot.

Request Syntax

```
{
   "RemediationConfigurations": [
      {
         "Arn": "string",
         "Automatic": boolean,
         "ConfigRuleName": "string",
         "CreatedByService": "string",
         "ExecutionControls": {
            "SsmControls": {
               "ConcurrentExecutionRatePercentage": number,
               "ErrorPercentage": number
            }
         },
         "MaximumAutomaticAttempts": number,
         "Parameters": {
            "string" : {
               "ResourceValue": {
                  "Value": "string"
               },
               "StaticValue": {
                  "Values": [ "string" ]
               }
            }
         },
         "ResourceType": "string",
         "RetryAttemptSeconds": number,
         "TargetId": "string",
         "TargetType": "string",
         "TargetVersion": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RemediationConfigurations

A list of remediation configuration objects.

Type: Array of RemediationConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Required: Yes

Response Syntax

```
{
   "FailedBatches": [
      {
         "FailedItems": [
            {
               "Arn": "string",
               "Automatic": boolean,
               "ConfigRuleName": "string",
               "CreatedByService": "string",
               "ExecutionControls": {
                  "SsmControls": {
                     "ConcurrentExecutionRatePercentage": number,
                     "ErrorPercentage": number
                  }
               },
               "MaximumAutomaticAttempts": number,
               "Parameters": {
                  "string" : {
                     "ResourceValue": {
                        "Value": "string"
                     },
                     "StaticValue": {
                        "Values": [ "string" ]
                     }
                  }
```

```
                },
                "ResourceType": "string",
                "RetryAttemptSeconds": number,
                "TargetId": "string",
                "TargetType": "string",
                "TargetVersion": "string"
            }
         ],
         "FailureMessage": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailedBatches

Returns a list of failed remediation batch objects.

Type: Array of FailedRemediationBatch objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.
- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:

- You do not have permission to call IAM `GetRole` action or create a service-linked role.
- You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutRemediationExceptions

A remediation exception is when a specified resource is no longer considered for auto-remediation. This API adds a new exception or updates an existing exception for a specified resource with a specified AWS Config rule.

Note

Exceptions block auto remediation
AWS Config generates a remediation exception when a problem occurs running a remediation action for a specified resource. Remediation exceptions blocks auto-remediation until the exception is cleared.

Note

Manual remediation is recommended when placing an exception
When placing an exception on an AWS resource, it is recommended that remediation is set as manual remediation until the given AWS Config rule for the specified resource evaluates the resource as `NON_COMPLIANT`. Once the resource has been evaluated as `NON_COMPLIANT`, you can add remediation exceptions and change the remediation type back from Manual to Auto if you want to use auto-remediation. Otherwise, using auto-remediation before a `NON_COMPLIANT` evaluation result can delete resources before the exception is applied.

Note

Exceptions can only be performed on non-compliant resources
Placing an exception can only be performed on resources that are `NON_COMPLIANT`. If you use this API for `COMPLIANT` resources or resources that are `NOT_APPLICABLE`, a remediation exception will not be generated. For more information on the conditions that initiate the possible AWS Config evaluation results, see Concepts | AWS Config Rules in the *AWS Config Developer Guide*.

> **Note**
>
> **Auto remediation can be initiated even for compliant resources**
> If you enable auto remediation for a specific AWS Config rule using the PutRemediationConfigurations API or the AWS Config console, it initiates the remediation process for all non-compliant resources for that specific rule. The auto remediation process relies on the compliance data snapshot which is captured on a periodic basis. Any non-compliant resource that is updated between the snapshot schedule will continue to be remediated based on the last known compliance data snapshot.
> This means that in some cases auto remediation can be initiated even for compliant resources, since the bootstrap processor uses a database that can have stale evaluation results based on the last known compliance data snapshot.

Request Syntax

```
{
   "ConfigRuleName": "string",
   "ExpirationTime": number,
   "Message": "string",
   "ResourceKeys": [
      {
         "ResourceId": "string",
         "ResourceType": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The name of the AWS Config rule for which you want to create remediation exception.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

ExpirationTime

The exception is automatically deleted after the expiration date.

Type: Timestamp

Required: No

Message

The message contains an explanation of the exception.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

ResourceKeys

An exception list of resource exception keys to be processed with the current request. AWS Config adds exception for each resource key. For example, AWS Config adds 3 exceptions for 3 resource keys.

Type: Array of RemediationExceptionResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
{
   "FailedBatches": [
      {
         "FailedItems": [
            {
               "ConfigRuleName": "string",
```

```
                "ExpirationTime": number,
                "Message": "string",
                "ResourceId": "string",
                "ResourceType": "string"
            }
         ],
         "FailureMessage": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailedBatches

Returns a list of failed remediation exceptions batch objects. Each object in the batch consists of a list of failed items and failure messages.

Type: Array of FailedRemediationExceptionBatch objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.
- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:

- You do not have permission to call IAM `GetRole` action or create a service-linked role.
- You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutResourceConfig

Records the configuration state for the resource provided in the request. The configuration state of a resource is represented in AWS Config as Configuration Items. Once this API records the configuration item, you can retrieve the list of configuration items for the custom resource type using existing AWS Config APIs.

> **Note**
>
> The custom resource type must be registered with AWS CloudFormation. This API accepts the configuration item registered with AWS CloudFormation.
> When you call this API, AWS Config only stores configuration state of the resource provided in the request. This API does not change or remediate the configuration of the resource.
> Write-only schema properites are not recorded as part of the published configuration item.

Request Syntax

```
{
   "Configuration": "string",
   "ResourceId": "string",
   "ResourceName": "string",
   "ResourceType": "string",
   "SchemaVersionId": "string",
   "Tags": {
      "string" : "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Configuration

The configuration object of the resource in valid JSON format. It must match the schema registered with AWS CloudFormation.

> **Note**
>
> The configuration JSON must not exceed 64 KB.

Type: String

Required: Yes

ResourceId

Unique identifier of the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: Yes

ResourceName

Name of the resource.

Type: String

Required: No

ResourceType

The type of the resource. The custom resource type must be registered with AWS CloudFormation.

> **Note**
>
> You cannot use the organization names “amzn”, “amazon”, “alexa”, “custom” with custom resource types. It is the first part of the ResourceType up to the first ::.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 196.

Required: Yes

SchemaVersionId

Version of the schema registered for the ResourceType in AWS CloudFormation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[A-Za-z0-9-]+`

Required: Yes

Tags

Tags associated with the resource.

> **Note**
>
> This field is not to be confused with the AWS-wide tag feature for AWS resources. Tags for `PutResourceConfig` are tags that you supply for the configuration items of your custom resources.

Type: String to string map

Required: No

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.

- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:
  - You do not have permission to call IAM `GetRole` action or create a service-linked role.
  - You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

MaxActiveResourcesExceededException

You have reached the limit of active custom resource types in your account. There is a limit of 100,000. Delete unused resources using DeleteResourceConfig .

HTTP Status Code: 400

NoRunningConfigurationRecorderException

There is no configuration recorder running.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutRetentionConfiguration

Creates and updates the retention configuration with details about retention period (number of days) that AWS Config stores your historical information. The API creates the `RetentionConfiguration` object and names the object as **default**. When you have a `RetentionConfiguration` object named **default**, calling the API modifies the default object.

> **Note**
>
> Currently, AWS Config supports only one retention configuration per region in your account.

Request Syntax

```
{
   "RetentionPeriodInDays": number
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RetentionPeriodInDays

Number of days AWS Config stores your historical information.

> **Note**
>
> Currently, only applicable to the configuration item history.

Type: Integer

Valid Range: Minimum value of 30. Maximum value of 2557.

Required: Yes

Response Syntax

```
{
   "RetentionConfiguration": {
      "Name": "string",
      "RetentionPeriodInDays": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RetentionConfiguration

Returns a retention configuration object.

Type: RetentionConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

MaxNumberOfRetentionConfigurationsExceededException

Failed to add the retention configuration because a retention configuration with that name already exists.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutStoredQuery

Saves a new query or updates an existing saved query. The `QueryName` must be unique for a single AWS account and a single AWS Region. You can create upto 300 queries in a single AWS account and a single AWS Region.

> **Note**
>
> `PutStoredQuery` is an idempotent API. Subsequent requests won't create a duplicate resource if one was already created. If a following request has different `tags` values, AWS Config will ignore these differences and treat it as an idempotent request of the previous. In this case, `tags` will not be updated, even if they are different.

Request Syntax

```
{
   "StoredQuery": {
      "Description": "string",
      "Expression": "string",
      "QueryArn": "string",
      "QueryId": "string",
      "QueryName": "string"
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

StoredQuery

A list of `StoredQuery` objects. The mandatory fields are `QueryName` and `Expression`.

> **Note**
>
> When you are creating a query, you must provide a query name and an expression. When you are updating a query, you must provide a query name but updating the description is optional.

Type: StoredQuery object

Required: Yes

Tags

A list of Tags object.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

Response Syntax

```
{
   "QueryArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

QueryArn

Amazon Resource Name (ARN) of the query. For example, arn:partition:service:region:account-id:resource-type/resource-name/resource-id.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `^arn:aws[a-z\-]*:config:[a-z\-\d]+:\d+:stored-query/[a-zA-Z0-9-_]+/query-[a-zA-Z\d-_/]+$`

Errors

For information about the errors that are common to all actions, see Common Errors.

ResourceConcurrentModificationException

Two users are trying to modify the same query at the same time. Wait for a moment and try again.

HTTP Status Code: 400

TooManyTagsException

You have reached the limit of the number of tags you can use. For more information, see **Service Limits** in the *AWS Config Developer Guide*.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

SelectAggregateResourceConfig

Accepts a structured query language (SQL) SELECT command and an aggregator to query configuration state of AWS resources across multiple accounts and regions, performs the corresponding search, and returns resource configurations matching the properties.

For more information about query components, see the **Query Components** section in the *AWS Config Developer Guide*.

> **Note**
>
> If you run an aggregation query (i.e., using `GROUP BY` or using aggregate functions such as `COUNT`; e.g., `SELECT resourceId, COUNT(*) WHERE resourceType = 'AWS::IAM::Role' GROUP BY resourceId`) and do not specify the `MaxResults` or the `Limit` query parameters, the default page size is set to 500.
> If you run a non-aggregation query (i.e., not using `GROUP BY` or aggregate function; e.g., `SELECT * WHERE resourceType = 'AWS::IAM::Role'`) and do not specify the `MaxResults` or the `Limit` query parameters, the default page size is set to 25.

Request Syntax

```
{
   "ConfigurationAggregatorName": "string",
   "Expression": "string",
   "Limit": number,
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationAggregatorName

The name of the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

Expression

The SQL query SELECT command.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

Limit

The maximum number of query results returned on each page.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

MaxResults

The maximum number of query results returned on each page. AWS Config also allows the Limit request parameter.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The nextToken string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "QueryInfo": {
      "SelectFields": [
         {
            "Name": "string"
         }
      ]
   },
   "Results": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The nextToken string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

QueryInfo

Details about the query.

Type: QueryInfo object

Results

Returns the results for the SQL query.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidExpressionException

The syntax of the query is incorrect.

HTTP Status Code: 400

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

NoSuchConfigurationAggregatorException

You have specified a configuration aggregator that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

SelectResourceConfig

Accepts a structured query language (SQL) SELECT command, performs the corresponding search, and returns resource configurations matching the properties.

For more information about query components, see the **Query Components** section in the *AWS Config Developer Guide*.

Request Syntax

```
{
   "Expression": "string",
   "Limit": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Expression

The SQL query SELECT command.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

Limit

The maximum number of query results returned on each page.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "QueryInfo": {
      "SelectFields": [
         {
            "Name": "string"
         }
      ]
   },
   "Results": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The `nextToken` string returned in a previous request that you use to request the next page of results in a paginated response.

Type: String

QueryInfo

Returns the `QueryInfo` object.

Type: QueryInfo object

Results

Returns the results for the SQL query.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidExpressionException

The syntax of the query is incorrect.

HTTP Status Code: 400

InvalidLimitException

The specified limit is outside the allowable range.

HTTP Status Code: 400

InvalidNextTokenException

The specified next token is not valid. Specify the `nextToken` string that was returned in the previous response to get the next page of results.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartConfigRulesEvaluation

Runs an on-demand evaluation for the specified AWS Config rules against the last known configuration state of the resources. Use `StartConfigRulesEvaluation` when you want to test that a rule you updated is working as expected. `StartConfigRulesEvaluation` does not re-record the latest configuration state for your resources. It re-runs an evaluation against the last known state of your resources.

You can specify up to 25 AWS Config rules per request.

An existing `StartConfigRulesEvaluation` call for the specified rules must complete before you can call the API again. If you chose to have AWS Config stream to an Amazon SNS topic, you will receive a `ConfigRuleEvaluationStarted` notification when the evaluation starts.

> **Note**
>
> You don't need to call the `StartConfigRulesEvaluation` API to run an evaluation for a new rule. When you create a rule, AWS Config evaluates your resources against the rule automatically.

The `StartConfigRulesEvaluation` API is useful if you want to run on-demand evaluations, such as the following example:

1. You have a custom rule that evaluates your IAM resources every 24 hours.
2. You update your Lambda function to add additional conditions to your rule.
3. Instead of waiting for the next periodic evaluation, you call the `StartConfigRulesEvaluation` API.
4. AWS Config invokes your Lambda function and evaluates your IAM resources.
5. Your custom rule will still run periodic evaluations every 24 hours.

Request Syntax

```
{
   "ConfigRuleNames": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleNames

The list of names of AWS Config rules that you want to run evaluations for.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

LimitExceededException

For `StartConfigRulesEvaluation` API, this exception is thrown if an evaluation is in progress or if you call the StartConfigRulesEvaluation API more than once per minute.

For `PutConfigurationAggregator` API, this exception is thrown if the number of accounts and aggregators exceeds the limit.

HTTP Status Code: 400

NoSuchConfigRuleException

The AWS Config rule in the request is not valid. Verify that the rule is an AWS Config Process Check rule, that the rule name is correct, and that valid Amazon Resouce Names (ARNs) are used before trying again.

HTTP Status Code: 400

ResourceInUseException

You see this exception in the following cases:

- For DeleteConfigRule, AWS Config is deleting this rule. Try your request again later.
- For DeleteConfigRule, the rule is deleting your evaluation results. Try your request again later.
- For DeleteConfigRule, a remediation action is associated with the rule and AWS Config cannot delete this rule. Delete the remediation action associated with the rule before deleting the rule and try your request again later.
- For PutConfigOrganizationRule, organization AWS Config rule deletion is in progress. Try your request again later.
- For DeleteOrganizationConfigRule, organization AWS Config rule creation is in progress. Try your request again later.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.
- For DeleteConformancePack, a conformance pack creation, update, and deletion is in progress. Try your request again later.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartConfigurationRecorder

Starts recording configurations of the AWS resources you have selected to record in your AWS account.

You must have created at least one delivery channel to successfully start the configuration recorder.

Request Syntax

```
{
   "ConfigurationRecorderName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationRecorderName

The name of the recorder object that records each configuration change made to the resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoAvailableDeliveryChannelException

There is no delivery channel available to record configurations.

HTTP Status Code: 400

NoSuchConfigurationRecorderException

You have specified a configuration recorder that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartRemediationExecution

Runs an on-demand remediation for the specified AWS Config rules against the last known remediation configuration. It runs an execution against the current state of your resources. Remediation execution is asynchronous.

You can specify up to 100 resource keys per request. An existing StartRemediationExecution call for the specified resource keys must complete before you can call the API again.

Request Syntax

```
{
   "ConfigRuleName": "string",
   "ResourceKeys": [
      {
         "resourceId": "string",
         "resourceType": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigRuleName

The list of names of AWS Config rules that you want to run remediation execution for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

ResourceKeys

A list of resource keys to be processed with the current request. Each element in the list consists of the resource type and resource ID.

Type: Array of ResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
{
   "FailedItems": [
      {
         "resourceId": "string",
         "resourceType": "string"
      }
   ],
   "FailureMessage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailedItems

For resources that have failed to start execution, the API returns a resource key object.

Type: Array of ResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

FailureMessage

Returns a failure message. For example, the resource is already compliant.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InsufficientPermissionsException

Indicates one of the following errors:

- For PutConfigRule, the rule cannot be created because the IAM role assigned to AWS Config lacks permissions to perform the config:Put* action.
- For PutConfigRule, the AWS Lambda function cannot be invoked. Check the function ARN, and check the function's permissions.
- For PutOrganizationConfigRule, organization AWS Config rule cannot be created because you do not have permissions to call IAM `GetRole` action or create a service-linked role.
- For PutConformancePack and PutOrganizationConformancePack, a conformance pack cannot be created because you do not have the following permissions:
  - You do not have permission to call IAM `GetRole` action or create a service-linked role.
  - You do not have permission to read Amazon S3 bucket or call SSM:GetDocument.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

NoSuchRemediationConfigurationException

You specified an AWS Config rule without a remediation configuration.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartResourceEvaluation

Runs an on-demand evaluation for the specified resource to determine whether the resource details will comply with configured AWS Config rules. You can also use it for evaluation purposes. AWS Config recommends using an evaluation context. It runs an execution against the resource details with all of the AWS Config rules in your account that match with the specified proactive mode and resource type.

> **Note**
>
> Ensure you have the `cloudformation:DescribeType` role setup to validate the resource type schema.
> You can find the Resource type schema in " *AWS public extensions*" within the AWS CloudFormation registry or with the following CLI commmand: `aws cloudformation describe-type --type-name "AWS::S3::Bucket" --type RESOURCE`.
> For more information, see Managing extensions through the AWS CloudFormation registry and AWS resource and property types reference in the AWS CloudFormation User Guide.

Request Syntax

```
{
   "ClientToken": "string",
   "EvaluationContext": {
      "EvaluationContextIdentifier": "string"
   },
   "EvaluationMode": "string",
   "EvaluationTimeout": number,
   "ResourceDetails": {
      "ResourceConfiguration": "string",
      "ResourceConfigurationSchemaType": "string",
      "ResourceId": "string",
      "ResourceType": "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ClientToken

A client token is a unique, case-sensitive string of up to 64 ASCII characters. To make an idempotent API request using one of these actions, specify a client token in the request.

> **Note**
>
> Avoid reusing the same client token for other API requests. If you retry a request that completed successfully using the same client token and the same parameters, the retry succeeds without performing any further actions. If you retry a successful request using the same client token, but one or more of the parameters are different, other than the Region or Availability Zone, the retry fails with an IdempotentParameterMismatch error.

Type: String

Length Constraints: Minimum length of 64. Maximum length of 256.

Required: No

EvaluationContext

Returns an `EvaluationContext` object.

Type: EvaluationContext object

Required: No

EvaluationMode

The mode of an evaluation. The valid values for this API are `DETECTIVE` and `PROACTIVE`.

Type: String

Valid Values: `DETECTIVE | PROACTIVE`

Required: Yes

EvaluationTimeout

The timeout for an evaluation. The default is 900 seconds. You cannot specify a number greater than 3600. If you specify 0, AWS Config uses the default.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 3600.

Required: No

ResourceDetails

Returns a `ResourceDetails` object.

Type: ResourceDetails object

Required: Yes

Response Syntax

```
{
   "ResourceEvaluationId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourceEvaluationId

A unique ResourceEvaluationId that is associated with a single execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Errors

For information about the errors that are common to all actions, see Common Errors.

IdempotentParameterMismatch

Using the same client token with one or more different parameters. Specify a new client token with the parameter changes and try again.

HTTP Status Code: 400

InvalidParameterValueException

One or more of the specified parameters are not valid. Verify that your parameters are valid and try again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StopConfigurationRecorder

Stops recording configurations of the AWS resources you have selected to record in your AWS account.

Request Syntax

```
{
   "ConfigurationRecorderName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ConfigurationRecorderName

The name of the recorder object that records each configuration change made to the resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

NoSuchConfigurationRecorderException

You have specified a configuration recorder that does not exist.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Associates the specified tags to a resource with the specified resourceArn. If existing tags on a resource are not specified in the request parameters, they are not changed. If existing tags are specified, however, then their values will be updated. When a resource is deleted, the tags associated with that resource are deleted as well.

Request Syntax

```
{
   "ResourceArn": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) that identifies the resource for which to list the tags. Currently, the supported resources are `ConfigRule`, `ConfigurationAggregator` and `AggregatorAuthorization`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Tags

An array of tag object.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

ResourceNotFoundException

You have specified a resource that does not exist.

HTTP Status Code: 400

TooManyTagsException

You have reached the limit of the number of tags you can use. For more information, see **Service Limits** in the *AWS Config Developer Guide*.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Deletes specified tags from a resource.

Request Syntax

```
{
   "ResourceArn": "string",
   "TagKeys": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) that identifies the resource for which to list the tags. Currently, the supported resources are `ConfigRule`, `ConfigurationAggregator` and `AggregatorAuthorization`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

TagKeys

The keys of the tags to be removed.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

ResourceNotFoundException

You have specified a resource that does not exist.

HTTP Status Code: 400

ValidationException

The requested action is not valid.

For PutStoredQuery, you will see this exception if there are missing required fields or if the input value fails the validation, or if you are trying to create more than 300 queries.

For GetStoredQuery, ListStoredQuery, and DeleteStoredQuery you will see this exception if there are missing required fields or if the input value fails the validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python

- AWS SDK for Ruby V3

Data Types

The AWS Config API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AccountAggregationSource
- AggregateComplianceByConfigRule
- AggregateComplianceByConformancePack
- AggregateComplianceCount
- AggregateConformancePackCompliance
- AggregateConformancePackComplianceCount
- AggregateConformancePackComplianceFilters
- AggregateConformancePackComplianceSummary
- AggregateConformancePackComplianceSummaryFilters
- AggregatedSourceStatus
- AggregateEvaluationResult
- AggregateResourceIdentifier
- AggregationAuthorization
- BaseConfigurationItem
- Compliance
- ComplianceByConfigRule
- ComplianceByResource
- ComplianceContributorCount
- ComplianceSummary
- ComplianceSummaryByResourceType

- ConfigExportDeliveryInfo
- ConfigRule
- ConfigRuleComplianceFilters
- ConfigRuleComplianceSummaryFilters
- ConfigRuleEvaluationStatus
- ConfigSnapshotDeliveryProperties
- ConfigStreamDeliveryInfo
- ConfigurationAggregator
- ConfigurationItem
- ConfigurationRecorder
- ConfigurationRecorderStatus
- ConformancePackComplianceFilters
- ConformancePackComplianceScore
- ConformancePackComplianceScoresFilters
- ConformancePackComplianceSummary
- ConformancePackDetail
- ConformancePackEvaluationFilters
- ConformancePackEvaluationResult
- ConformancePackInputParameter
- ConformancePackRuleCompliance
- ConformancePackStatusDetail
- CustomPolicyDetails
- DeliveryChannel
- DeliveryChannelStatus
- DescribeConfigRulesFilters
- Evaluation
- EvaluationContext
- EvaluationModeConfiguration
- EvaluationResult
- EvaluationResultIdentifier

- EvaluationResultQualifier
- EvaluationStatus
- ExclusionByResourceTypes
- ExecutionControls
- ExternalEvaluation
- FailedDeleteRemediationExceptionsBatch
- FailedRemediationBatch
- FailedRemediationExceptionBatch
- FieldInfo
- GroupedResourceCount
- MemberAccountStatus
- OrganizationAggregationSource
- OrganizationConfigRule
- OrganizationConfigRuleStatus
- OrganizationConformancePack
- OrganizationConformancePackDetailedStatus
- OrganizationConformancePackStatus
- OrganizationCustomPolicyRuleMetadata
- OrganizationCustomPolicyRuleMetadataNoPolicy
- OrganizationCustomRuleMetadata
- OrganizationManagedRuleMetadata
- OrganizationResourceDetailedStatusFilters
- PendingAggregationRequest
- QueryInfo
- RecordingGroup
- RecordingMode
- RecordingModeOverride
- RecordingStrategy
- Relationship
- RemediationConfiguration

- RemediationException
- RemediationExceptionResourceKey
- RemediationExecutionStatus
- RemediationExecutionStep
- RemediationParameterValue
- ResourceCount
- ResourceCountFilters
- ResourceDetails
- ResourceEvaluation
- ResourceEvaluationFilters
- ResourceFilters
- ResourceIdentifier
- ResourceKey
- ResourceValue
- RetentionConfiguration
- Scope
- Source
- SourceDetail
- SsmControls
- StaticValue
- StatusDetailFilters
- StoredQuery
- StoredQueryMetadata
- Tag
- TemplateSSMDocumentDetails
- TimeWindow

AccountAggregationSource

A collection of accounts and regions.

Contents

AccountIds

The 12-digit account ID of the account being aggregated.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `\d{12}`

Required: Yes

AllAwsRegions

If true, aggregate existing AWS Config regions and future regions.

Type: Boolean

Required: No

AwsRegions

The source regions being aggregated.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go

- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateComplianceByConfigRule

Indicates whether an AWS Config rule is compliant based on account ID, region, compliance, and rule name.

A rule is compliant if all of the resources that the rule evaluated comply with it. It is noncompliant if any of these resources do not comply.

Contents

AccountId

The 12-digit account ID of the source account.

Type: String

Pattern: `\d{12}`

Required: No

AwsRegion

The source region from where the data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Compliance

Indicates whether an AWS resource or AWS Config rule is compliant and provides the number of contributors that affect the compliance.

Type: Compliance object

Required: No

ConfigRuleName

The name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateComplianceByConformancePack

Provides aggregate compliance of the conformance pack. Indicates whether a conformance pack is compliant based on the name of the conformance pack, account ID, and region.

A conformance pack is compliant if all of the rules in a conformance packs are compliant. It is noncompliant if any of the rules are not compliant. The compliance status of a conformance pack is INSUFFICIENT_DATA only if all rules within a conformance pack cannot be evaluated due to insufficient data. If some of the rules in a conformance pack are compliant but the compliance status of other rules in that same conformance pack is INSUFFICIENT_DATA, the conformance pack shows compliant.

Contents

AccountId

The 12-digit AWS account ID of the source account.

Type: String

Pattern: `\d{12}`

Required: No

AwsRegion

The source AWS Region from where the data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Compliance

The compliance status of the conformance pack.

Type: AggregateConformancePackCompliance object

Required: No

ConformancePackName

The name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateComplianceCount

Returns the number of compliant and noncompliant rules for one or more accounts and regions in an aggregator.

Contents

ComplianceSummary

The number of compliant and noncompliant AWS Config rules.

Type: ComplianceSummary object

Required: No

GroupName

The 12-digit account ID or region based on the GroupByKey value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateConformancePackCompliance

Provides the number of compliant and noncompliant rules within a conformance pack. Also provides the compliance status of the conformance pack and the total rule count which includes compliant rules, noncompliant rules, and rules that cannot be evaluated due to insufficient data.

A conformance pack is compliant if all of the rules in a conformance packs are compliant. It is noncompliant if any of the rules are not compliant. The compliance status of a conformance pack is INSUFFICIENT_DATA only if all rules within a conformance pack cannot be evaluated due to insufficient data. If some of the rules in a conformance pack are compliant but the compliance status of other rules in that same conformance pack is INSUFFICIENT_DATA, the conformance pack shows compliant.

Contents

ComplianceType

The compliance status of the conformance pack.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | INSUFFICIENT_DATA`

Required: No

CompliantRuleCount

The number of compliant AWS Config Rules.

Type: Integer

Required: No

NonCompliantRuleCount

The number of noncompliant AWS Config Rules.

Type: Integer

Required: No

TotalRuleCount

Total number of compliant rules, noncompliant rules, and the rules that do not have any applicable resources to evaluate upon resulting in insufficient data.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateConformancePackComplianceCount

The number of conformance packs that are compliant and noncompliant.

Contents

CompliantConformancePackCount

Number of compliant conformance packs.

Type: Integer

Required: No

NonCompliantConformancePackCount

Number of noncompliant conformance packs.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateConformancePackComplianceFilters

Filters the conformance packs based on an account ID, region, compliance type, and the name of the conformance pack.

Contents

AccountId

The 12-digit AWS account ID of the source account.

Type: String

Pattern: `\d{12}`

Required: No

AwsRegion

The source AWS Region from where the data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

ComplianceType

The compliance status of the conformance pack.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | INSUFFICIENT_DATA`

Required: No

ConformancePackName

The name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateConformancePackComplianceSummary

Provides a summary of compliance based on either account ID or region.

Contents

ComplianceSummary

Returns an `AggregateConformancePackComplianceCount` object.

Type: AggregateConformancePackComplianceCount object

Required: No

GroupName

Groups the result based on AWS account ID or AWS Region.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateConformancePackComplianceSummaryFilters

Filters the results based on account ID and region.

Contents

AccountId

The 12-digit AWS account ID of the source account.

Type: String

Pattern: \d{12}

Required: No

AwsRegion

The source AWS Region from where the data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregatedSourceStatus

The current sync status between the source and the aggregator account.

Contents

AwsRegion

The region authorized to collect aggregated data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

LastErrorCode

The error code that AWS Config returned when the source account aggregation last failed.

Type: String

Required: No

LastErrorMessage

The message indicating that the source account aggregation failed due to an error.

Type: String

Required: No

LastUpdateStatus

Filters the last updated status type.

- Valid value FAILED indicates errors while moving data.
- Valid value SUCCEEDED indicates the data was successfully moved.
- Valid value OUTDATED indicates the data is not the most recent.

Type: String

Valid Values: `FAILED | SUCCEEDED | OUTDATED`

Required: No

LastUpdateTime

The time of the last update.

Type: Timestamp

Required: No

SourceId

The source account ID or an organization.

Type: String

Required: No

SourceType

The source account or an organization.

Type: String

Valid Values: `ACCOUNT | ORGANIZATION`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateEvaluationResult

The details of an AWS Config evaluation for an account ID and region in an aggregator. Provides the AWS resource that was evaluated, the compliance of the resource, related time stamps, and supplementary information.

Contents

AccountId

The 12-digit account ID of the source account.

Type: String

Pattern: `\d{12}`

Required: No

Annotation

Supplementary information about how the agrregate evaluation determined the compliance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

AwsRegion

The source region from where the data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

ComplianceType

The resource compliance status.

For the `AggregationEvaluationResult` data type, AWS Config supports only the `COMPLIANT` and `NON_COMPLIANT`. AWS Config does not support the `NOT_APPLICABLE` and `INSUFFICIENT_DATA` value.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

ConfigRuleInvokedTime

The time when the AWS Config rule evaluated the AWS resource.

Type: Timestamp

Required: No

EvaluationResultIdentifier

Uniquely identifies the evaluation result.

Type: EvaluationResultIdentifier object

Required: No

ResultRecordedTime

The time when AWS Config recorded the aggregate evaluation result.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregateResourceIdentifier

The details that identify a resource that is collected by AWS Config aggregator, including the resource type, ID, (if available) the custom resource name, the source account, and source region.

Contents

ResourceId

The ID of the AWS resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: Yes

ResourceType

The type of the AWS resource.

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup | AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup`

| AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory
| AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |
AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |

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AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
```

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AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
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AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
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| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |

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AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document
```

Required: Yes

SourceAccountId

The 12-digit account ID of the source account.

Type: String

Pattern: `\d{12}`

Required: Yes

SourceRegion

The source region where data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

ResourceName

The name of the AWS resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregationAuthorization

An object that represents the authorizations granted to aggregator accounts and regions.

Contents

AggregationAuthorizationArn

The Amazon Resource Name (ARN) of the aggregation object.

Type: String

Required: No

AuthorizedAccountId

The 12-digit account ID of the account authorized to aggregate data.

Type: String

Pattern: `\d{12}`

Required: No

AuthorizedAwsRegion

The region authorized to collect aggregated data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

CreationTime

The time stamp when the aggregation authorization was created.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BaseConfigurationItem

The detailed configurations of a specified resource.

Contents

accountId

The 12-digit AWS account ID associated with the resource.

Type: String

Pattern: \d{12}

Required: No

arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

availabilityZone

The Availability Zone associated with the resource.

Type: String

Required: No

awsRegion

The region where the resource resides.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

configuration

The description of the resource configuration.

Type: String

Required: No

configurationItemCaptureTime

The time when the recording of configuration changes was initiated for the resource.

Type: Timestamp

Required: No

configurationItemDeliveryTime

The time when configuration changes for the resource were delivered.

> **Note**
>
> This field is optional and is not guaranteed to be present in a configuration item (CI). If you are using daily recording, this field will be populated. However, if you are using continuous recording, this field will be omitted since the delivery time is instantaneous as the CI is available right away. For more information on daily recording and continuous recording, see Recording Frequency in the *AWS Config Developer Guide*.

Type: Timestamp

Required: No

configurationItemStatus

The configuration item status. Valid values include:

- OK – The resource configuration has been updated.
- ResourceDiscovered – The resource was newly discovered.
- ResourceNotRecorded – The resource was discovered, but its configuration was not recorded since the recorder doesn't record resources of this type.
- ResourceDeleted – The resource was deleted
- ResourceDeletedNotRecorded – The resource was deleted, but its configuration was not recorded since the recorder doesn't record resources of this type.

Type: String

Valid Values: `OK | ResourceDiscovered | ResourceNotRecorded | ResourceDeleted | ResourceDeletedNotRecorded`

Required: No

configurationStateId

An identifier that indicates the ordering of the configuration items of a resource.

Type: String

Required: No

recordingFrequency

The recording frequency that AWS Config uses to record configuration changes for the resource.

Type: String

Valid Values: `CONTINUOUS | DAILY`

Required: No

resourceCreationTime

The time stamp when the resource was created.

Type: Timestamp

Required: No

resourceId

The ID of the resource (for example., sg-xxxxxx).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

resourceName

The custom name of the resource, if available.

Type: String

Required: No

resourceType

The type of AWS resource.

Type: String

Valid Values: AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup | AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup | AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory | AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack | AWS::ElasticLoadBalancing::LoadBalancer | AWS::AutoScaling::AutoScalingGroup | AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy | AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table | AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule | AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule | AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup | AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution | AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function | AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy | AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application | AWS::ElasticBeanstalk::ApplicationVersion | AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL | AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet | AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |

```
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
```

```
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
```

```
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
```

| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint

```
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document
```

Required: No

supplementaryConfiguration

Configuration attributes that AWS Config returns for certain resource types to supplement the information returned for the configuration parameter.

Type: String to string map

Required: No

version

The version number of the resource configuration.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Compliance

Indicates whether an AWS resource or AWS Config rule is compliant and provides the number of contributors that affect the compliance.

Contents

ComplianceContributorCount

The number of AWS resources or AWS Config rules that cause a result of `NON_COMPLIANT`, up to a maximum number.

Type: ComplianceContributorCount object

Required: No

ComplianceType

Indicates whether an AWS resource or AWS Config rule is compliant.

A resource is compliant if it complies with all of the AWS Config rules that evaluate it. A resource is noncompliant if it does not comply with one or more of these rules.

A rule is compliant if all of the resources that the rule evaluates comply with it. A rule is noncompliant if any of these resources do not comply.

AWS Config returns the `INSUFFICIENT_DATA` value when no evaluation results are available for the AWS resource or AWS Config rule.

For the `Compliance` data type, AWS Config supports only `COMPLIANT`, `NON_COMPLIANT`, and `INSUFFICIENT_DATA` values. AWS Config does not support the `NOT_APPLICABLE` value for the `Compliance` data type.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ComplianceByConfigRule

Indicates whether an AWS Config rule is compliant. A rule is compliant if all of the resources that the rule evaluated comply with it. A rule is noncompliant if any of these resources do not comply.

Contents

Compliance

Indicates whether the AWS Config rule is compliant.

Type: Compliance object

Required: No

ConfigRuleName

The name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ComplianceByResource

Indicates whether an AWS resource that is evaluated according to one or more AWS Config rules is compliant. A resource is compliant if it complies with all of the rules that evaluate it. A resource is noncompliant if it does not comply with one or more of these rules.

Contents

Compliance

Indicates whether the AWS resource complies with all of the AWS Config rules that evaluated it.

Type: Compliance object

Required: No

ResourceId

The ID of the AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceType

The type of the AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ComplianceContributorCount

The number of AWS resources or AWS Config rules responsible for the current compliance of the item, up to a maximum number.

Contents

CapExceeded

Indicates whether the maximum count is reached.

Type: Boolean

Required: No

CappedCount

The number of AWS resources or AWS Config rules responsible for the current compliance of the item.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ComplianceSummary

The number of AWS Config rules or AWS resources that are compliant and noncompliant.

Contents

ComplianceSummaryTimestamp

The time that AWS Config created the compliance summary.

Type: Timestamp

Required: No

CompliantResourceCount

The number of AWS Config rules or AWS resources that are compliant, up to a maximum of 25 for rules and 100 for resources.

Type: ComplianceContributorCount object

Required: No

NonCompliantResourceCount

The number of AWS Config rules or AWS resources that are noncompliant, up to a maximum of 25 for rules and 100 for resources.

Type: ComplianceContributorCount object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ComplianceSummaryByResourceType

The number of AWS resources of a specific type that are compliant or noncompliant, up to a maximum of 100 for each.

Contents

ComplianceSummary

The number of AWS resources that are compliant or noncompliant, up to a maximum of 100 for each.

Type: ComplianceSummary object

Required: No

ResourceType

The type of AWS resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigExportDeliveryInfo

Provides status of the delivery of the snapshot or the configuration history to the specified Amazon S3 bucket. Also provides the status of notifications about the Amazon S3 delivery to the specified Amazon SNS topic.

Contents

lastAttemptTime

The time of the last attempted delivery.

Type: Timestamp

Required: No

lastErrorCode

The error code from the last attempted delivery.

Type: String

Required: No

lastErrorMessage

The error message from the last attempted delivery.

Type: String

Required: No

lastStatus

Status of the last attempted delivery.

Type: String

Valid Values: `Success | Failure | Not_Applicable`

Required: No

lastSuccessfulTime

The time of the last successful delivery.

Type: Timestamp

Required: No

nextDeliveryTime

The time that the next delivery occurs.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigRule

AWS Config rules evaluate the configuration settings of your AWS resources. A rule can run when AWS Config detects a configuration change to an AWS resource or at a periodic frequency that you choose (for example, every 24 hours). There are two types of rules: *AWS Config Managed Rules* and *AWS Config Custom Rules*.

AWS Config Managed Rules are predefined, customizable rules created by AWS Config. For a list of managed rules, see List of AWS Config Managed Rules.

AWS Config Custom Rules are rules that you create from scratch. There are two ways to create AWS Config custom rules: with Lambda functions (AWS Lambda Developer Guide) and with Guard (Guard GitHub Repository), a policy-as-code language. AWS Config custom rules created with AWS Lambda are called *AWS Config Custom Lambda Rules* and AWS Config custom rules created with Guard are called *AWS Config Custom Policy Rules*.

For more information about developing and using AWS Config rules, see Evaluating Resource with AWS Config Rules in the *AWS Config Developer Guide*.

Note

You can use the AWS CLI and AWS SDKs if you want to create a rule that triggers evaluations for your resources when AWS Config delivers the configuration snapshot. For more information, see ConfigSnapshotDeliveryProperties.

Contents

Source

Provides the rule owner (`AWS` for managed rules, `CUSTOM_POLICY` for Custom Policy rules, and `CUSTOM_LAMBDA` for Custom Lambda rules), the rule identifier, and the notifications that cause the function to evaluate your AWS resources.

Type: Source object

Required: Yes

ConfigRuleArn

The Amazon Resource Name (ARN) of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

ConfigRuleId

The ID of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

ConfigRuleName

The name that you assign to the AWS Config rule. The name is required if you are adding a new rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

ConfigRuleState

Indicates whether the AWS Config rule is active or is currently being deleted by AWS Config. It can also indicate the evaluation status for the AWS Config rule.

AWS Config sets the state of the rule to `EVALUATING` temporarily after you use the `StartConfigRulesEvaluation` request to evaluate your resources against the AWS Config rule.

AWS Config sets the state of the rule to `DELETING_RESULTS` temporarily after you use the `DeleteEvaluationResults` request to delete the current evaluation results for the AWS Config rule.

AWS Config temporarily sets the state of a rule to `DELETING` after you use the `DeleteConfigRule` request to delete the rule. After AWS Config deletes the rule, the rule and all of its evaluations are erased and are no longer available.

Type: String

Valid Values: `ACTIVE | DELETING | DELETING_RESULTS | EVALUATING`

Required: No

CreatedBy

Service principal name of the service that created the rule.

> **Note**
>
> The field is populated only if the service-linked rule is created by a service. The field is empty if you create your own rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Description

The description that you provide for the AWS Config rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

EvaluationModes

The modes the AWS Config rule can be evaluated in. The valid values are distinct objects. By default, the value is Detective evaluation mode only.

Type: Array of EvaluationModeConfiguration objects

Required: No

InputParameters

A string, in JSON format, that is passed to the AWS Config rule Lambda function.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

MaximumExecutionFrequency

The maximum frequency with which AWS Config runs evaluations for a rule. You can specify a value for `MaximumExecutionFrequency` when:

- This is for an AWS Config managed rule that is triggered at a periodic frequency.
- Your custom rule is triggered when AWS Config delivers the configuration snapshot. For more information, see ConfigSnapshotDeliveryProperties.

> **Note**
>
> By default, rules with a periodic trigger are evaluated every 24 hours. To change the frequency, specify a valid value for the `MaximumExecutionFrequency` parameter.

Type: String

Valid Values: `One_Hour | Three_Hours | Six_Hours | Twelve_Hours | TwentyFour_Hours`

Required: No

Scope

Defines which resources can trigger an evaluation for the rule. The scope can include one or more resource types, a combination of one resource type and one resource ID, or a combination of a tag key and value. Specify a scope to constrain the resources that can trigger an evaluation for the rule. If you do not specify a scope, evaluations are triggered when any resource in the recording group changes.

> **Note**
>
> The scope can be empty.

Type: Scope object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigRuleComplianceFilters

Filters the compliance results based on account ID, region, compliance type, and rule name.

Contents

AccountId

The 12-digit account ID of the source account.

Type: String

Pattern: `\d{12}`

Required: No

AwsRegion

The source region where the data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

ComplianceType

The rule compliance status.

For the `ConfigRuleComplianceFilters` data type, AWS Config supports only `COMPLIANT` and `NON_COMPLIANT`. AWS Config does not support the `NOT_APPLICABLE` and the `INSUFFICIENT_DATA` values.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

ConfigRuleName

The name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigRuleComplianceSummaryFilters

Filters the results based on the account IDs and regions.

Contents

AccountId

The 12-digit account ID of the source account.

Type: String

Pattern: \d{12}

Required: No

AwsRegion

The source region where the data is aggregated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigRuleEvaluationStatus

Status information for your AWS Config Managed rules and AWS Config Custom Policy rules. The status includes information such as the last time the rule ran, the last time it failed, and the related error for the last failure.

This action does not return status information about AWS Config Custom Lambda rules.

Contents

ConfigRuleArn

The Amazon Resource Name (ARN) of the AWS Config rule.

Type: String

Required: No

ConfigRuleId

The ID of the AWS Config rule.

Type: String

Required: No

ConfigRuleName

The name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

FirstActivatedTime

The time that you first activated the AWS Config rule.

Type: Timestamp

Required: No

FirstEvaluationStarted

Indicates whether AWS Config has evaluated your resources against the rule at least once.

- `true` - AWS Config has evaluated your AWS resources against the rule at least once.
- `false` - AWS Config has not finished evaluating your AWS resources against the rule at least once.

Type: Boolean

Required: No

LastDeactivatedTime

The time that you last turned off the AWS Config rule.

Type: Timestamp

Required: No

LastDebugLogDeliveryStatus

The status of the last attempted delivery of a debug log for your AWS Config Custom Policy rules. Either `Successful` or `Failed`.

Type: String

Required: No

LastDebugLogDeliveryStatusReason

The reason AWS Config was not able to deliver a debug log. This is for the last failed attempt to retrieve a debug log for your AWS Config Custom Policy rules.

Type: String

Required: No

LastDebugLogDeliveryTime

The time AWS Config last attempted to deliver a debug log for your AWS Config Custom Policy rules.

Type: Timestamp

Required: No

LastErrorCode

The error code that AWS Config returned when the rule last failed.

Type: String

Required: No

LastErrorMessage

The error message that AWS Config returned when the rule last failed.

Type: String

Required: No

LastFailedEvaluationTime

The time that AWS Config last failed to evaluate your AWS resources against the rule.

Type: Timestamp

Required: No

LastFailedInvocationTime

The time that AWS Config last failed to invoke the AWS Config rule to evaluate your AWS resources.

Type: Timestamp

Required: No

LastSuccessfulEvaluationTime

The time that AWS Config last successfully evaluated your AWS resources against the rule.

Type: Timestamp

Required: No

LastSuccessfulInvocationTime

The time that AWS Config last successfully invoked the AWS Config rule to evaluate your AWS resources.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigSnapshotDeliveryProperties

Provides options for how often AWS Config delivers configuration snapshots to the Amazon S3 bucket in your delivery channel.

The frequency for a rule that triggers evaluations for your resources when AWS Config delivers the configuration snapshot is set by one of two values, depending on which is less frequent:

- The value for the `deliveryFrequency` parameter within the delivery channel configuration, which sets how often AWS Config delivers configuration snapshots. This value also sets how often AWS Config invokes evaluations for AWS Config rules.
- The value for the `MaximumExecutionFrequency` parameter, which sets the maximum frequency with which AWS Config invokes evaluations for the rule. For more information, see ConfigRule.

If the `deliveryFrequency` value is less frequent than the `MaximumExecutionFrequency` value for a rule, AWS Config invokes the rule only as often as the `deliveryFrequency` value.

1. For example, you want your rule to run evaluations when AWS Config delivers the configuration snapshot.
2. You specify the `MaximumExecutionFrequency` value for `Six_Hours`.
3. You then specify the delivery channel `deliveryFrequency` value for `TwentyFour_Hours`.
4. Because the value for `deliveryFrequency` is less frequent than `MaximumExecutionFrequency`, AWS Config invokes evaluations for the rule every 24 hours.

You should set the `MaximumExecutionFrequency` value to be at least as frequent as the `deliveryFrequency` value. You can view the `deliveryFrequency` value by using the `DescribeDeliveryChannnels` action.

To update the `deliveryFrequency` with which AWS Config delivers your configuration snapshots, use the `PutDeliveryChannel` action.

Contents

deliveryFrequency

The frequency with which AWS Config delivers configuration snapshots.

Type: String

Valid Values: `One_Hour | Three_Hours | Six_Hours | Twelve_Hours | TwentyFour_Hours`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigStreamDeliveryInfo

A list that contains the status of the delivery of the configuration stream notification to the Amazon SNS topic.

Contents

lastErrorCode

The error code from the last attempted delivery.

Type: String

Required: No

lastErrorMessage

The error message from the last attempted delivery.

Type: String

Required: No

lastStatus

Status of the last attempted delivery.

Note Providing an SNS topic on a DeliveryChannel for AWS Config is optional. If the SNS delivery is turned off, the last status will be **Not_Applicable**.

Type: String

Valid Values: `Success | Failure | Not_Applicable`

Required: No

lastStatusChangeTime

The time from the last status change.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigurationAggregator

The details about the configuration aggregator, including information about source accounts, regions, and metadata of the aggregator.

Contents

AccountAggregationSources

Provides a list of source accounts and regions to be aggregated.

Type: Array of AccountAggregationSource objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

ConfigurationAggregatorArn

The Amazon Resource Name (ARN) of the aggregator.

Type: String

Pattern: `arn:aws[a-z\-]*:config:[a-z\-\d]+:\d+:config-aggregator/config-aggregator-[a-z\d]+`

Required: No

ConfigurationAggregatorName

The name of the aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: No

CreatedBy

AWS service that created the configuration aggregator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

CreationTime

The time stamp when the configuration aggregator was created.

Type: Timestamp

Required: No

LastUpdatedTime

The time of the last update.

Type: Timestamp

Required: No

OrganizationAggregationSource

Provides an organization and list of regions to be aggregated.

Type: OrganizationAggregationSource object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigurationItem

A list that contains detailed configurations of a specified resource.

Contents

accountId

The 12-digit AWS account ID associated with the resource.

Type: String

Pattern: \d{12}

Required: No

arn

Amazon Resource Name (ARN) associated with the resource.

Type: String

Required: No

availabilityZone

The Availability Zone associated with the resource.

Type: String

Required: No

awsRegion

The region where the resource resides.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

configuration

The description of the resource configuration.

Type: String

Required: No

configurationItemCaptureTime

The time when the recording of configuration changes was initiated for the resource.

Type: Timestamp

Required: No

configurationItemDeliveryTime

The time when configuration changes for the resource were delivered.

> **Note**
>
> This field is optional and is not guaranteed to be present in a configuration item (CI). If you are using daily recording, this field will be populated. However, if you are using continuous recording, this field will be omitted since the delivery time is instantaneous as the CI is available right away. For more information on daily recording and continuous recording, see Recording Frequency in the *AWS Config Developer Guide*.

Type: Timestamp

Required: No

configurationItemMD5Hash

Unique MD5 hash that represents the configuration item's state.

You can use MD5 hash to compare the states of two or more configuration items that are associated with the same resource.

Type: String

Required: No

configurationItemStatus

The configuration item status. Valid values include:

- OK – The resource configuration has been updated
- ResourceDiscovered – The resource was newly discovered

- ResourceNotRecorded – The resource was discovered but its configuration was not recorded since the recorder doesn't record resources of this type
- ResourceDeleted – The resource was deleted
- ResourceDeletedNotRecorded – The resource was deleted but its configuration was not recorded since the recorder doesn't record resources of this type

Type: String

Valid Values: `OK | ResourceDiscovered | ResourceNotRecorded | ResourceDeleted | ResourceDeletedNotRecorded`

Required: No

configurationStateId

An identifier that indicates the ordering of the configuration items of a resource.

Type: String

Required: No

recordingFrequency

The recording frequency that AWS Config uses to record configuration changes for the resource.

Type: String

Valid Values: `CONTINUOUS | DAILY`

Required: No

relatedEvents

A list of CloudTrail event IDs.

A populated field indicates that the current configuration was initiated by the events recorded in the CloudTrail log. For more information about CloudTrail, see What Is AWS CloudTrail.

An empty field indicates that the current configuration was not initiated by any event. As of Version 1.3, the relatedEvents field is empty. You can access the LookupEvents API in the *AWS CloudTrail API Reference* to retrieve the events for the resource.

Type: Array of strings

Required: No

relationships

A list of related AWS resources.

Type: Array of Relationship objects

Required: No

resourceCreationTime

The time stamp when the resource was created.

Type: Timestamp

Required: No

resourceId

The ID of the resource (for example, `sg-xxxxxx`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

resourceName

The custom name of the resource, if available.

Type: String

Required: No

resourceType

The type of AWS resource.

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway |`

```
AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog
| AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain
| AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role |
AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer |
AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup
| AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot
| AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot
| AWS::RDS::EventSubscription | AWS::S3::Bucket |
AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster |
AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup |
AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup
| AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory
| AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |
AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
```

```
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
```

```
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
```

AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image

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| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
```

AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate | AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace | AWS::CodeGuruProfiler::ProfilingGroup | AWS::Route53Resolver::ResolverQueryLoggingConfig | AWS::Batch::SchedulingPolicy | AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute | AWS::AppMesh::Mesh | AWS::Connect::Instance | AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway | AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect | AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider | AWS::IAM::InstanceProfile | AWS::IoT::CACertificate | AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector | AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer | AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet | AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient | AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope | AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace | AWS::GroundStation::DataflowEndpointGroup | AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment | AWS::QuickSight::DataSource | AWS::QuickSight::Template | AWS::QuickSight::Theme | AWS::RDS::OptionGroup | AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup | AWS::SSM::Document

Required: No

supplementaryConfiguration

Configuration attributes that AWS Config returns for certain resource types to supplement the information returned for the `configuration` parameter.

Type: String to string map

Required: No

tags

A mapping of key value tags associated with the resource.

Type: String to string map

Required: No

version

The version number of the resource configuration.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigurationRecorder

Records configuration changes to your specified resource types. For more information about the configuration recorder, see **Managing the Configuration Recorder** in the *AWS Config Developer Guide*.

Contents

name

The name of the configuration recorder. AWS Config automatically assigns the name of "default" when creating the configuration recorder.

> **Note**
>
> You cannot change the name of the configuration recorder after it has been created. To change the configuration recorder name, you must delete it and create a new configuration recorder with a new name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

recordingGroup

Specifies which resource types AWS Config records for configuration changes.

> **Note**
>
> **High Number of AWS Config Evaluations**
> You may notice increased activity in your account during your initial month recording with AWS Config when compared to subsequent months. During the initial bootstrapping process, AWS Config runs evaluations on all the resources in your account that you have selected for AWS Config to record.
> If you are running ephemeral workloads, you may see increased activity from AWS Config as it records configuration changes associated with creating and deleting these

temporary resources. An *ephemeral workload* is a temporary use of computing resources that are loaded and run when needed. Examples include Amazon Elastic Compute Cloud (Amazon EC2) Spot Instances, Amazon EMR jobs, and AWS Auto Scaling. If you want to avoid the increased activity from running ephemeral workloads, you can run these types of workloads in a separate account with AWS Config turned off to avoid increased configuration recording and rule evaluations.

Type: RecordingGroup object

Required: No

recordingMode

Specifies the default recording frequency that AWS Config uses to record configuration changes. AWS Config supports *Continuous recording* and *Daily recording*.

- Continuous recording allows you to record configuration changes continuously whenever a change occurs.
- Daily recording allows you to receive a configuration item (CI) representing the most recent state of your resources over the last 24-hour period, only if it's different from the previous CI recorded.

Note

AWS Firewall Manager depends on continuous recording to monitor your resources. If you are using Firewall Manager, it is recommended that you set the recording frequency to Continuous.

You can also override the recording frequency for specific resource types.

Type: RecordingMode object

Required: No

roleARN

Amazon Resource Name (ARN) of the IAM role assumed by AWS Config and used by the configuration recorder.

> **Note**
>
> While the API model does not require this field, the server will reject a request without a defined `roleARN` for the configuration recorder.

> **Note**
>
> **Pre-existing AWS Config role**
> If you have used an AWS service that uses AWS Config, such as AWS Security Hub or AWS Control Tower, and an AWS Config role has already been created, make sure that the IAM role that you use when setting up AWS Config keeps the same minimum permissions as the already created AWS Config role. You must do this so that the other AWS service continues to run as expected.
> For example, if AWS Control Tower has an IAM role that allows AWS Config to read Amazon Simple Storage Service (Amazon S3) objects, make sure that the same permissions are granted within the IAM role you use when setting up AWS Config. Otherwise, it may interfere with how AWS Control Tower operates. For more information about IAM roles for AWS Config, see **Identity and Access Management for AWS Config** in the *AWS Config Developer Guide*.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigurationRecorderStatus

The current status of the configuration recorder.

> **Note**
>
> For a detailed status of recording events over time, add your AWS Config events to CloudWatch metrics and use CloudWatch metrics.

Contents

lastErrorCode

The latest error code from when the recorder last failed.

Type: String

Required: No

lastErrorMessage

The latest error message from when the recorder last failed.

Type: String

Required: No

lastStartTime

The time the recorder was last started.

Type: Timestamp

Required: No

lastStatus

The status of the latest recording event processed by the recorder.

Type: String

Valid Values: `Pending | Success | Failure`

Required: No

lastStatusChangeTime

The time of the latest change in status of an recording event processed by the recorder.

Type: Timestamp

Required: No

lastStopTime

The time the recorder was last stopped.

Type: Timestamp

Required: No

name

The name of the configuration recorder.

Type: String

Required: No

recording

Specifies whether or not the recorder is currently recording.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackComplianceFilters

Filters the conformance pack by compliance types and AWS Config rule names.

Contents

ComplianceType

Filters the results by compliance.

The allowed values are `COMPLIANT` and `NON_COMPLIANT`. `INSUFFICIENT_DATA` is not supported.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | INSUFFICIENT_DATA`

Required: No

ConfigRuleNames

Filters the results by AWS Config rule names.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackComplianceScore

A compliance score is the percentage of the number of compliant rule-resource combinations in a conformance pack compared to the number of total possible rule-resource combinations in the conformance pack. This metric provides you with a high-level view of the compliance state of your conformance packs. You can use it to identify, investigate, and understand the level of compliance in your conformance packs.

Contents

ConformancePackName

The name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: No

LastUpdatedTime

The time that the conformance pack compliance score was last updated.

Type: Timestamp

Required: No

Score

Compliance score for the conformance pack. Conformance packs with no evaluation results will have a compliance score of `INSUFFICIENT_DATA`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackComplianceScoresFilters

A list of filters to apply to the conformance pack compliance score result set.

Contents

ConformancePackNames

The names of the conformance packs whose compliance scores you want to include in the conformance pack compliance score result set. You can include up to 25 conformance packs in the `ConformancePackNames` array of strings, each with a character limit of 256 characters for the conformance pack name.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackComplianceSummary

Summary includes the name and status of the conformance pack.

Contents

ConformancePackComplianceStatus

The status of the conformance pack.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | INSUFFICIENT_DATA`

Required: Yes

ConformancePackName

The name of the conformance pack name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackDetail

Returns details of a conformance pack. A conformance pack is a collection of AWS Config rules and remediation actions that can be easily deployed in an account and a region.

Contents

ConformancePackArn

Amazon Resource Name (ARN) of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

ConformancePackId

ID of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

ConformancePackName

Name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

ConformancePackInputParameters

A list of `ConformancePackInputParameter` objects.

Type: Array of ConformancePackInputParameter objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

Required: No

CreatedBy

The AWS service that created the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

DeliveryS3Bucket

The name of the Amazon S3 bucket where AWS Config stores conformance pack templates.

> **Note**
> This field is optional.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Required: No

DeliveryS3KeyPrefix

The prefix for the Amazon S3 bucket.

> **Note**
> This field is optional.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

LastUpdateRequestedTime

The last time a conformation pack update was requested.

Type: Timestamp

Required: No

TemplateSSMDocumentDetails

An object that contains the name or Amazon Resource Name (ARN) of the AWS Systems Manager document (SSM document) and the version of the SSM document that is used to create a conformance pack.

Type: TemplateSSMDocumentDetails object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackEvaluationFilters

Filters a conformance pack by AWS Config rule names, compliance types, AWS resource types, and resource IDs.

Contents

ComplianceType

Filters the results by compliance.

The allowed values are `COMPLIANT` and `NON_COMPLIANT`. `INSUFFICIENT_DATA` is not supported.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | INSUFFICIENT_DATA`

Required: No

ConfigRuleNames

Filters the results by AWS Config rule names.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

ResourceIds

Filters the results by resource IDs.

> **Note**
>
> This is valid only when you provide resource type. If there is no resource type, you will see an error.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

ResourceType

Filters the results by the resource type (for example, `"AWS::EC2::Instance"`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackEvaluationResult

The details of a conformance pack evaluation. Provides AWS Config rule and AWS resource type that was evaluated, the compliance of the conformance pack, related time stamps, and supplementary information.

Contents

ComplianceType

The compliance type. The allowed values are `COMPLIANT` and `NON_COMPLIANT`. `INSUFFICIENT_DATA` is not supported.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | INSUFFICIENT_DATA`

Required: Yes

ConfigRuleInvokedTime

The time when AWS Config rule evaluated AWS resource.

Type: Timestamp

Required: Yes

EvaluationResultIdentifier

Uniquely identifies an evaluation result.

Type: EvaluationResultIdentifier object

Required: Yes

ResultRecordedTime

The time when AWS Config recorded the evaluation result.

Type: Timestamp

Required: Yes

Annotation

Supplementary information about how the evaluation determined the compliance.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackInputParameter

Input parameters in the form of key-value pairs for the conformance pack, both of which you define. Keys can have a maximum character length of 255 characters, and values can have a maximum length of 4096 characters.

Contents

ParameterName

One part of a key-value pair.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: Yes

ParameterValue

Another part of the key-value pair.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackRuleCompliance

Compliance information of one or more AWS Config rules within a conformance pack. You can filter using AWS Config rule names and compliance types.

Contents

ComplianceType

Compliance of the AWS Config rule.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | INSUFFICIENT_DATA`

Required: No

ConfigRuleName

Name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

Controls

Controls for the conformance pack. A control is a process to prevent or detect problems while meeting objectives. A control can align with a specific compliance regime or map to internal controls defined by an organization.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConformancePackStatusDetail

Status details of a conformance pack.

Contents

ConformancePackArn

Amazon Resource Name (ARN) of comformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

ConformancePackId

ID of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

ConformancePackName

Name of the conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

ConformancePackState

Indicates deployment status of conformance pack.

AWS Config sets the state of the conformance pack to:

- CREATE_IN_PROGRESS when a conformance pack creation is in progress for an account.

- CREATE_COMPLETE when a conformance pack has been successfully created in your account.
- CREATE_FAILED when a conformance pack creation failed in your account.
- DELETE_IN_PROGRESS when a conformance pack deletion is in progress.
- DELETE_FAILED when a conformance pack deletion failed in your account.

Type: String

Valid Values: `CREATE_IN_PROGRESS | CREATE_COMPLETE | CREATE_FAILED | DELETE_IN_PROGRESS | DELETE_FAILED`

Required: Yes

LastUpdateRequestedTime

Last time when conformation pack creation and update was requested.

Type: Timestamp

Required: Yes

StackArn

Amazon Resource Name (ARN) of AWS CloudFormation stack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

ConformancePackStatusReason

The reason of conformance pack creation failure.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2000.

Required: No

LastUpdateCompletedTime

Last time when conformation pack creation and update was successful.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomPolicyDetails

Provides the runtime system, policy definition, and whether debug logging enabled. You can specify the following CustomPolicyDetails parameter values only for AWS Config Custom Policy rules.

Contents

PolicyRuntime

The runtime system for your AWS Config Custom Policy rule. Guard is a policy-as-code language that allows you to write policies that are enforced by AWS Config Custom Policy rules. For more information about Guard, see the Guard GitHub Repository.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `guard\-2\.x\.x`

Required: Yes

PolicyText

The policy definition containing the logic for your AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

Required: Yes

EnableDebugLogDelivery

The boolean expression for enabling debug logging for your AWS Config Custom Policy rule. The default value is `false`.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DeliveryChannel

The channel through which AWS Config delivers notifications and updated configuration states.

Contents

configSnapshotDeliveryProperties

The options for how often AWS Config delivers configuration snapshots to the Amazon S3 bucket.

Type: ConfigSnapshotDeliveryProperties object

Required: No

name

The name of the delivery channel. By default, AWS Config assigns the name "default" when creating the delivery channel. To change the delivery channel name, you must use the DeleteDeliveryChannel action to delete your current delivery channel, and then you must use the PutDeliveryChannel command to create a delivery channel that has the desired name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

s3BucketName

The name of the Amazon S3 bucket to which AWS Config delivers configuration snapshots and configuration history files.

If you specify a bucket that belongs to another AWS account, that bucket must have policies that grant access permissions to AWS Config. For more information, see Permissions for the Amazon S3 Bucket in the *AWS Config Developer Guide*.

Type: String

Required: No

s3KeyPrefix

The prefix for the specified Amazon S3 bucket.

Type: String

Required: No

s3KmsKeyArn

The Amazon Resource Name (ARN) of the AWS Key Management Service (AWS KMS) AWS KMS key (KMS key) used to encrypt objects delivered by AWS Config. Must belong to the same Region as the destination S3 bucket.

Type: String

Required: No

snsTopicARN

The Amazon Resource Name (ARN) of the Amazon SNS topic to which AWS Config sends notifications about configuration changes.

If you choose a topic from another account, the topic must have policies that grant access permissions to AWS Config. For more information, see Permissions for the Amazon SNS Topic in the *AWS Config Developer Guide*.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DeliveryChannelStatus

The status of a specified delivery channel.

Valid values: `Success` | `Failure`

Contents

configHistoryDeliveryInfo

A list that contains the status of the delivery of the configuration history to the specified Amazon S3 bucket.

Type: ConfigExportDeliveryInfo object

Required: No

configSnapshotDeliveryInfo

A list containing the status of the delivery of the snapshot to the specified Amazon S3 bucket.

Type: ConfigExportDeliveryInfo object

Required: No

configStreamDeliveryInfo

A list containing the status of the delivery of the configuration stream notification to the specified Amazon SNS topic.

Type: ConfigStreamDeliveryInfo object

Required: No

name

The name of the delivery channel.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DescribeConfigRulesFilters

Returns a filtered list of Detective or Proactive AWS Config rules. By default, if the filter is not defined, this API returns an unfiltered list. For more information on Detective or Proactive AWS Config rules, see **Evaluation Mode** in the *AWS Config Developer Guide*.

Contents

EvaluationMode

The mode of an evaluation. The valid values are Detective or Proactive.

Type: String

Valid Values: `DETECTIVE | PROACTIVE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Evaluation

Identifies an AWS resource and indicates whether it complies with the AWS Config rule that it was evaluated against.

Contents

ComplianceResourceId

The ID of the AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: Yes

ComplianceResourceType

The type of AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

ComplianceType

Indicates whether the AWS resource complies with the AWS Config rule that it was evaluated against.

For the `Evaluation` data type, AWS Config supports only the `COMPLIANT`, `NON_COMPLIANT`, and `NOT_APPLICABLE` values. AWS Config does not support the `INSUFFICIENT_DATA` value for this data type.

Similarly, AWS Config does not accept `INSUFFICIENT_DATA` as the value for `ComplianceType` from a `PutEvaluations` request. For example, an AWS Lambda function for a custom AWS Config rule cannot pass an `INSUFFICIENT_DATA` value to AWS Config.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: Yes

OrderingTimestamp

The time of the event in AWS Config that triggered the evaluation. For event-based evaluations, the time indicates when AWS Config created the configuration item that triggered the evaluation. For periodic evaluations, the time indicates when AWS Config triggered the evaluation at the frequency that you specified (for example, every 24 hours).

Type: Timestamp

Required: Yes

Annotation

Supplementary information about how the evaluation determined the compliance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EvaluationContext

Use EvaluationContext to group independently initiated proactive resource evaluations. For example, CFN Stack. If you want to check just a resource definition, you do not need to provide evaluation context.

Contents

EvaluationContextIdentifier

A unique EvaluationContextIdentifier ID for an EvaluationContext.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EvaluationModeConfiguration

The configuration object for AWS Config rule evaluation mode. The supported valid values are Detective or Proactive.

Contents

Mode

The mode of an evaluation. The valid values are Detective or Proactive.

Type: String

Valid Values: `DETECTIVE | PROACTIVE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EvaluationResult

The details of an AWS Config evaluation. Provides the AWS resource that was evaluated, the compliance of the resource, related time stamps, and supplementary information.

Contents

Annotation

Supplementary information about how the evaluation determined the compliance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

ComplianceType

Indicates whether the AWS resource complies with the AWS Config rule that evaluated it.

For the `EvaluationResult` data type, AWS Config supports only the `COMPLIANT`, `NON_COMPLIANT`, and `NOT_APPLICABLE` values. AWS Config does not support the `INSUFFICIENT_DATA` value for the `EvaluationResult` data type.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: No

ConfigRuleInvokedTime

The time when the AWS Config rule evaluated the AWS resource.

Type: Timestamp

Required: No

EvaluationResultIdentifier

Uniquely identifies the evaluation result.

Type: EvaluationResultIdentifier object

Required: No

ResultRecordedTime

The time when AWS Config recorded the evaluation result.

Type: Timestamp

Required: No

ResultToken

An encrypted token that associates an evaluation with an AWS Config rule. The token identifies the rule, the AWS resource being evaluated, and the event that triggered the evaluation.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EvaluationResultIdentifier

Uniquely identifies an evaluation result.

Contents

EvaluationResultQualifier

Identifies an AWS Config rule used to evaluate an AWS resource, and provides the type and ID of the evaluated resource.

Type: EvaluationResultQualifier object

Required: No

OrderingTimestamp

The time of the event that triggered the evaluation of your AWS resources. The time can indicate when AWS Config delivered a configuration item change notification, or it can indicate when AWS Config delivered the configuration snapshot, depending on which event triggered the evaluation.

Type: Timestamp

Required: No

ResourceEvaluationId

A Unique ID for an evaluation result.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EvaluationResultQualifier

Identifies an AWS Config rule that evaluated an AWS resource, and provides the type and ID of the resource that the rule evaluated.

Contents

ConfigRuleName

The name of the AWS Config rule that was used in the evaluation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

EvaluationMode

The mode of an evaluation. The valid values are Detective or Proactive.

Type: String

Valid Values: `DETECTIVE | PROACTIVE`

Required: No

ResourceId

The ID of the evaluated AWS resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceType

The type of AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EvaluationStatus

Returns status details of an evaluation.

Contents

Status

The status of an execution. The valid values are In_Progress, Succeeded or Failed.

Type: String

Valid Values: `IN_PROGRESS | FAILED | SUCCEEDED`

Required: Yes

FailureReason

An explanation for failed execution status.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExclusionByResourceTypes

Specifies whether the configuration recorder excludes certain resource types from being recorded. Use the `resourceTypes` field to enter a comma-separated list of resource types you want to exclude from recording.

By default, when AWS Config adds support for a new resource type in the Region where you set up the configuration recorder, including global resource types, AWS Config starts recording resources of that type automatically.

Note

How to use the exclusion recording strategy
To use this option, you must set the `useOnly` field of RecordingStrategy to `EXCLUSION_BY_RESOURCE_TYPES`.
AWS Config will then record configuration changes for all supported resource types, except the resource types that you specify to exclude from being recorded.
Global resource types and the exclusion recording strategy
Unless specifically listed as exclusions, `AWS::RDS::GlobalCluster` will be recorded automatically in all supported AWS Config Regions were the configuration recorder is enabled.
IAM users, groups, roles, and customer managed policies will be recorded in the Region where you set up the configuration recorder if that is a Region where AWS Config was available before February 2022. You cannot be record the global IAM resouce types in Regions supported by AWS Config after February 2022. This list where you cannot record the global IAM resource types includes the following Regions:

- Asia Pacific (Hyderabad)
- Asia Pacific (Melbourne)
- Canada West (Calgary)
- Europe (Spain)
- Europe (Zurich)
- Israel (Tel Aviv)
- Middle East (UAE)

Contents

resourceTypes

A comma-separated list of resource types to exclude from recording by the configuration recorder.

Type: Array of strings

Valid Values: AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup | AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup | AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory | AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack | AWS::ElasticLoadBalancing::LoadBalancer | AWS::AutoScaling::AutoScalingGroup | AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy | AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table | AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule | AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule | AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup | AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution | AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |

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AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
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AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
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| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
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AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
```

AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |

`AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup | AWS::SSM::Document`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExecutionControls

The controls that AWS Config uses for executing remediations.

Contents

SsmControls

A SsmControls object.

Type: SsmControls object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExternalEvaluation

Identifies an AWS resource and indicates whether it complies with the AWS Config rule that it was evaluated against.

Contents

ComplianceResourceId

The evaluated compliance resource ID. AWS Config accepts only AWS account ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: Yes

ComplianceResourceType

The evaluated compliance resource type. AWS Config accepts `AWS::::Account` resource type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

ComplianceType

The compliance of the AWS resource. The valid values are `COMPLIANT, NON_COMPLIANT,` and `NOT_APPLICABLE`.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT | NOT_APPLICABLE | INSUFFICIENT_DATA`

Required: Yes

OrderingTimestamp

The time when the compliance was recorded.

Type: Timestamp

Required: Yes

Annotation

Supplementary information about the reason of compliance. For example, this task was completed on a specific date.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FailedDeleteRemediationExceptionsBatch

List of each of the failed delete remediation exceptions with specific reasons.

Contents

FailedItems

Returns remediation exception resource key object of the failed items.

Type: Array of RemediationExceptionResourceKey objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

FailureMessage

Returns a failure message for delete remediation exception. For example, AWS Config creates an exception due to an internal error.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FailedRemediationBatch

List of each of the failed remediations with specific reasons.

Contents

FailedItems

Returns remediation configurations of the failed items.

Type: Array of RemediationConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Required: No

FailureMessage

Returns a failure message. For example, the resource is already compliant.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FailedRemediationExceptionBatch

List of each of the failed remediation exceptions with specific reasons.

Contents

FailedItems

Returns remediation exception resource key object of the failed items.

Type: Array of RemediationException objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Required: No

FailureMessage

Returns a failure message. For example, the auto-remediation has failed.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FieldInfo

Details about the fields such as name of the field.

Contents

Name

Name of the field.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GroupedResourceCount

The count of resources that are grouped by the group name.

Contents

GroupName

The name of the group that can be region, account ID, or resource type. For example, region1, region2 if the region was chosen as `GroupByKey`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

ResourceCount

The number of resources in the group.

Type: Long

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MemberAccountStatus

Organization AWS Config rule creation or deletion status in each member account. This includes the name of the rule, the status, error code and error message when the rule creation or deletion failed.

Contents

AccountId

The 12-digit account ID of a member account.

Type: String

Pattern: `\d{12}`

Required: Yes

ConfigRuleName

The name of AWS Config rule deployed in the member account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

MemberAccountRuleStatus

Indicates deployment status for AWS Config rule in the member account. When management account calls `PutOrganizationConfigRule` action for the first time, AWS Config rule status is created in the member account. When management account calls `PutOrganizationConfigRule` action for the second time, AWS Config rule status is updated in the member account. AWS Config rule status is deleted when the management account deletes `OrganizationConfigRule` and disables service access for `config-multiaccountsetup.amazonaws.com`.

AWS Config sets the state of the rule to:

- `CREATE_SUCCESSFUL` when AWS Config rule has been created in the member account.
- `CREATE_IN_PROGRESS` when AWS Config rule is being created in the member account.

- CREATE_FAILED when AWS Config rule creation has failed in the member account.
- DELETE_FAILED when AWS Config rule deletion has failed in the member account.
- DELETE_IN_PROGRESS when AWS Config rule is being deleted in the member account.
- DELETE_SUCCESSFUL when AWS Config rule has been deleted in the member account.
- UPDATE_SUCCESSFUL when AWS Config rule has been updated in the member account.
- UPDATE_IN_PROGRESS when AWS Config rule is being updated in the member account.
- UPDATE_FAILED when AWS Config rule deletion has failed in the member account.

Type: String

Valid Values: CREATE_SUCCESSFUL | CREATE_IN_PROGRESS | CREATE_FAILED | DELETE_SUCCESSFUL | DELETE_FAILED | DELETE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_IN_PROGRESS | UPDATE_FAILED

Required: Yes

ErrorCode

An error code that is returned when AWS Config rule creation or deletion failed in the member account.

Type: String

Required: No

ErrorMessage

An error message indicating that AWS Config rule account creation or deletion has failed due to an error in the member account.

Type: String

Required: No

LastUpdateTime

The timestamp of the last status update.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationAggregationSource

This object contains regions to set up the aggregator and an IAM role to retrieve organization details.

Contents

RoleArn

ARN of the IAM role used to retrieve AWS Organization details associated with the aggregator account.

Type: String

Required: Yes

AllAwsRegions

If true, aggregate existing AWS Config regions and future regions.

Type: Boolean

Required: No

AwsRegions

The source regions being aggregated.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2

- AWS SDK for Ruby V3

OrganizationConfigRule

An organization AWS Config rule that has information about AWS Config rules that AWS Config creates in member accounts.

Contents

OrganizationConfigRuleArn

Amazon Resource Name (ARN) of organization AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

OrganizationConfigRuleName

The name that you assign to organization AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.*\S.*`

Required: Yes

ExcludedAccounts

A comma-separated list of accounts excluded from organization AWS Config rule.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Pattern: `\d{12}`

Required: No

LastUpdateTime

The timestamp of the last update.

Type: Timestamp

Required: No

OrganizationCustomPolicyRuleMetadata

An object that specifies metadata for your organization's AWS Config Custom Policy rule. The metadata includes the runtime system in use, which accounts have debug logging enabled, and other custom rule metadata, such as resource type, resource ID of AWS resource, and organization trigger types that initiate AWS Config to evaluate AWS resources against a rule.

Type: OrganizationCustomPolicyRuleMetadataNoPolicy object

Required: No

OrganizationCustomRuleMetadata

An `OrganizationCustomRuleMetadata` object.

Type: OrganizationCustomRuleMetadata object

Required: No

OrganizationManagedRuleMetadata

An `OrganizationManagedRuleMetadata` object.

Type: OrganizationManagedRuleMetadata object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationConfigRuleStatus

Returns the status for an organization AWS Config rule in an organization.

Contents

OrganizationConfigRuleName

The name that you assign to organization AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.*\S.*`

Required: Yes

OrganizationRuleStatus

Indicates deployment status of an organization AWS Config rule. When management account calls PutOrganizationConfigRule action for the first time, AWS Config rule status is created in all the member accounts. When management account calls PutOrganizationConfigRule action for the second time, AWS Config rule status is updated in all the member accounts. Additionally, AWS Config rule status is updated when one or more member accounts join or leave an organization. AWS Config rule status is deleted when the management account deletes OrganizationConfigRule in all the member accounts and disables service access for `config-multiaccountsetup.amazonaws.com`.

AWS Config sets the state of the rule to:

- `CREATE_SUCCESSFUL` when an organization AWS Config rule has been successfully created in all the member accounts.
- `CREATE_IN_PROGRESS` when an organization AWS Config rule creation is in progress.
- `CREATE_FAILED` when an organization AWS Config rule creation failed in one or more member accounts within that organization.
- `DELETE_FAILED` when an organization AWS Config rule deletion failed in one or more member accounts within that organization.
- `DELETE_IN_PROGRESS` when an organization AWS Config rule deletion is in progress.

- DELETE_SUCCESSFUL when an organization AWS Config rule has been successfully deleted from all the member accounts.
- UPDATE_SUCCESSFUL when an organization AWS Config rule has been successfully updated in all the member accounts.
- UPDATE_IN_PROGRESS when an organization AWS Config rule update is in progress.
- UPDATE_FAILED when an organization AWS Config rule update failed in one or more member accounts within that organization.

Type: String

Valid Values: CREATE_SUCCESSFUL | CREATE_IN_PROGRESS | CREATE_FAILED | DELETE_SUCCESSFUL | DELETE_FAILED | DELETE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_IN_PROGRESS | UPDATE_FAILED

Required: Yes

ErrorCode

An error code that is returned when organization AWS Config rule creation or deletion has failed.

Type: String

Required: No

ErrorMessage

An error message indicating that organization AWS Config rule creation or deletion failed due to an error.

Type: String

Required: No

LastUpdateTime

The timestamp of the last update.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationConformancePack

An organization conformance pack that has information about conformance packs that AWS Config creates in member accounts.

Contents

LastUpdateTime

Last time when organization conformation pack was updated.

Type: Timestamp

Required: Yes

OrganizationConformancePackArn

Amazon Resource Name (ARN) of organization conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

OrganizationConformancePackName

The name you assign to an organization conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

ConformancePackInputParameters

A list of `ConformancePackInputParameter` objects.

Type: Array of ConformancePackInputParameter objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

Required: No

DeliveryS3Bucket

The name of the Amazon S3 bucket where AWS Config stores conformance pack templates.

> **Note**
> This field is optional.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Required: No

DeliveryS3KeyPrefix

Any folder structure you want to add to an Amazon S3 bucket.

> **Note**
> This field is optional.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

ExcludedAccounts

A comma-separated list of accounts excluded from organization conformance pack.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Pattern: `\d{12}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationConformancePackDetailedStatus

Organization conformance pack creation or deletion status in each member account. This includes the name of the conformance pack, the status, error code and error message when the conformance pack creation or deletion failed.

Contents

AccountId

The 12-digit account ID of a member account.

Type: String

Pattern: `\d{12}`

Required: Yes

ConformancePackName

The name of conformance pack deployed in the member account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Status

Indicates deployment status for conformance pack in a member account. When management account calls `PutOrganizationConformancePack` action for the first time, conformance pack status is created in the member account. When management account calls `PutOrganizationConformancePack` action for the second time, conformance pack status is updated in the member account. Conformance pack status is deleted when the management account deletes `OrganizationConformancePack` and disables service access for `config-multiaccountsetup.amazonaws.com`.

AWS Config sets the state of the conformance pack to:

- `CREATE_SUCCESSFUL` when conformance pack has been created in the member account.
- `CREATE_IN_PROGRESS` when conformance pack is being created in the member account.

- CREATE_FAILED when conformance pack creation has failed in the member account.
- DELETE_FAILED when conformance pack deletion has failed in the member account.
- DELETE_IN_PROGRESS when conformance pack is being deleted in the member account.
- DELETE_SUCCESSFUL when conformance pack has been deleted in the member account.
- UPDATE_SUCCESSFUL when conformance pack has been updated in the member account.
- UPDATE_IN_PROGRESS when conformance pack is being updated in the member account.
- UPDATE_FAILED when conformance pack deletion has failed in the member account.

Type: String

Valid Values: CREATE_SUCCESSFUL | CREATE_IN_PROGRESS | CREATE_FAILED | DELETE_SUCCESSFUL | DELETE_FAILED | DELETE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_IN_PROGRESS | UPDATE_FAILED

Required: Yes

ErrorCode

An error code that is returned when conformance pack creation or deletion failed in the member account.

Type: String

Required: No

ErrorMessage

An error message indicating that conformance pack account creation or deletion has failed due to an error in the member account.

Type: String

Required: No

LastUpdateTime

The timestamp of the last status update.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationConformancePackStatus

Returns the status for an organization conformance pack in an organization.

Contents

OrganizationConformancePackName

The name that you assign to organization conformance pack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][-a-zA-Z0-9]*`

Required: Yes

Status

Indicates deployment status of an organization conformance pack. When management account calls PutOrganizationConformancePack for the first time, conformance pack status is created in all the member accounts. When management account calls PutOrganizationConformancePack for the second time, conformance pack status is updated in all the member accounts. Additionally, conformance pack status is updated when one or more member accounts join or leave an organization. Conformance pack status is deleted when the management account deletes OrganizationConformancePack in all the member accounts and disables service access for `config-multiaccountsetup.amazonaws.com`.

AWS Config sets the state of the conformance pack to:

- `CREATE_SUCCESSFUL` when an organization conformance pack has been successfully created in all the member accounts.
- `CREATE_IN_PROGRESS` when an organization conformance pack creation is in progress.
- `CREATE_FAILED` when an organization conformance pack creation failed in one or more member accounts within that organization.
- `DELETE_FAILED` when an organization conformance pack deletion failed in one or more member accounts within that organization.
- `DELETE_IN_PROGRESS` when an organization conformance pack deletion is in progress.

- DELETE_SUCCESSFUL when an organization conformance pack has been successfully deleted from all the member accounts.
- UPDATE_SUCCESSFUL when an organization conformance pack has been successfully updated in all the member accounts.
- UPDATE_IN_PROGRESS when an organization conformance pack update is in progress.
- UPDATE_FAILED when an organization conformance pack update failed in one or more member accounts within that organization.

Type: String

Valid Values: CREATE_SUCCESSFUL | CREATE_IN_PROGRESS | CREATE_FAILED | DELETE_SUCCESSFUL | DELETE_FAILED | DELETE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_IN_PROGRESS | UPDATE_FAILED

Required: Yes

ErrorCode

An error code that is returned when organization conformance pack creation or deletion has failed in a member account.

Type: String

Required: No

ErrorMessage

An error message indicating that organization conformance pack creation or deletion failed due to an error.

Type: String

Required: No

LastUpdateTime

The timestamp of the last update.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationCustomPolicyRuleMetadata

An object that specifies metadata for your organization's AWS Config Custom Policy rule. The metadata includes the runtime system in use, which accounts have debug logging enabled, and other custom rule metadata, such as resource type, resource ID of AWS resource, and organization trigger types that initiate AWS Config to evaluate AWS resources against a rule.

Contents

PolicyRuntime

The runtime system for your organization AWS Config Custom Policy rules. Guard is a policy-as-code language that allows you to write policies that are enforced by AWS Config Custom Policy rules. For more information about Guard, see the Guard GitHub Repository.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `guard\-2\.x\.x`

Required: Yes

PolicyText

The policy definition containing the logic for your organization AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

Required: Yes

DebugLogDeliveryAccounts

A list of accounts that you can enable debug logging for your organization AWS Config Custom Policy rule. List is null when debug logging is enabled for all accounts.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Pattern: `\d{12}`

Required: No

Description

The description that you provide for your organization AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

InputParameters

A string, in JSON format, that is passed to your organization AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

MaximumExecutionFrequency

The maximum frequency with which AWS Config runs evaluations for a rule. Your AWS Config Custom Policy rule is triggered when AWS Config delivers the configuration snapshot. For more information, see ConfigSnapshotDeliveryProperties.

Type: String

Valid Values: `One_Hour | Three_Hours | Six_Hours | Twelve_Hours | TwentyFour_Hours`

Required: No

OrganizationConfigRuleTriggerTypes

The type of notification that initiates AWS Config to run an evaluation for a rule. For AWS Config Custom Policy rules, AWS Config supports change-initiated notification types:

- `ConfigurationItemChangeNotification` - Initiates an evaluation when AWS Config delivers a configuration item as a result of a resource change.
- `OversizedConfigurationItemChangeNotification` - Initiates an evaluation when AWS Config delivers an oversized configuration item. AWS Config may generate this notification type when a resource changes and the notification exceeds the maximum size allowed by Amazon SNS.

Type: Array of strings

Valid Values: `ConfigurationItemChangeNotification | OversizedConfigurationItemChangeNotification`

Required: No

ResourceIdScope

The ID of the AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceTypesScope

The type of the AWS resource that was evaluated.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

TagKeyScope

One part of a key-value pair that make up a tag. A key is a general label that acts like a category for more specific tag values.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

TagValueScope

The optional part of a key-value pair that make up a tag. A value acts as a descriptor within a tag category (key).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationCustomPolicyRuleMetadataNoPolicy

metadata for your organization AWS Config Custom Policy rule including the runtime system in use, which accounts have debug logging enabled, and other custom rule metadata such as resource type, resource ID of AWS resource, and organization trigger types that trigger AWS Config to evaluate AWS resources against a rule.

Contents

DebugLogDeliveryAccounts

A list of accounts that you can enable debug logging for your organization AWS Config Custom Policy rule. List is null when debug logging is enabled for all accounts.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Pattern: `\d{12}`

Required: No

Description

The description that you provide for your organization AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

InputParameters

A string, in JSON format, that is passed to your organization AWS Config Custom Policy rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

MaximumExecutionFrequency

The maximum frequency with which AWS Config runs evaluations for a rule. Your AWS Config Custom Policy rule is triggered when AWS Config delivers the configuration snapshot. For more information, see ConfigSnapshotDeliveryProperties.

Type: String

Valid Values: `One_Hour | Three_Hours | Six_Hours | Twelve_Hours | TwentyFour_Hours`

Required: No

OrganizationConfigRuleTriggerTypes

The type of notification that triggers AWS Config to run an evaluation for a rule. For AWS Config Custom Policy rules, AWS Config supports change triggered notification types:

- `ConfigurationItemChangeNotification` - Triggers an evaluation when AWS Config delivers a configuration item as a result of a resource change.
- `OversizedConfigurationItemChangeNotification` - Triggers an evaluation when AWS Config delivers an oversized configuration item. AWS Config may generate this notification type when a resource changes and the notification exceeds the maximum size allowed by Amazon SNS.

Type: Array of strings

Valid Values: `ConfigurationItemChangeNotification | OversizedConfigurationItemChangeNotification`

Required: No

PolicyRuntime

The runtime system for your organization AWS Config Custom Policy rules. Guard is a policy-as-code language that allows you to write policies that are enforced by AWS Config Custom Policy rules. For more information about Guard, see the Guard GitHub Repository.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `guard\-2\.x\.x`

Required: No

ResourceIdScope

The ID of the AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceTypesScope

The type of the AWS resource that was evaluated.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

TagKeyScope

One part of a key-value pair that make up a tag. A key is a general label that acts like a category for more specific tag values.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

TagValueScope

The optional part of a key-value pair that make up a tag. A value acts as a descriptor within a tag category (key).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationCustomRuleMetadata

An object that specifies organization custom rule metadata such as resource type, resource ID of AWS resource, Lambda function ARN, and organization trigger types that trigger AWS Config to evaluate your AWS resources against a rule. It also provides the frequency with which you want AWS Config to run evaluations for the rule if the trigger type is periodic.

Contents

LambdaFunctionArn

The lambda function ARN.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

OrganizationConfigRuleTriggerTypes

The type of notification that triggers AWS Config to run an evaluation for a rule. You can specify the following notification types:

- `ConfigurationItemChangeNotification` - Triggers an evaluation when AWS Config delivers a configuration item as a result of a resource change.
- `OversizedConfigurationItemChangeNotification` - Triggers an evaluation when AWS Config delivers an oversized configuration item. AWS Config may generate this notification type when a resource changes and the notification exceeds the maximum size allowed by Amazon SNS.
- `ScheduledNotification` - Triggers a periodic evaluation at the frequency specified for `MaximumExecutionFrequency`.

Type: Array of strings

Valid Values: `ConfigurationItemChangeNotification | OversizedConfigurationItemChangeNotification | ScheduledNotification`

Required: Yes

Description

The description that you provide for your organization AWS Config rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

InputParameters

A string, in JSON format, that is passed to your organization AWS Config rule Lambda function.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

MaximumExecutionFrequency

The maximum frequency with which AWS Config runs evaluations for a rule. Your custom rule is triggered when AWS Config delivers the configuration snapshot. For more information, see ConfigSnapshotDeliveryProperties.

> **Note**
>
> By default, rules with a periodic trigger are evaluated every 24 hours. To change the frequency, specify a valid value for the `MaximumExecutionFrequency` parameter.

Type: String

Valid Values: `One_Hour | Three_Hours | Six_Hours | Twelve_Hours | TwentyFour_Hours`

Required: No

ResourceIdScope

The ID of the AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceTypesScope

The type of the AWS resource that was evaluated.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

TagKeyScope

One part of a key-value pair that make up a tag. A key is a general label that acts like a category for more specific tag values.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

TagValueScope

The optional part of a key-value pair that make up a tag. A value acts as a descriptor within a tag category (key).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2

- AWS SDK for Ruby V3

OrganizationManagedRuleMetadata

An object that specifies organization managed rule metadata such as resource type and ID of AWS resource along with the rule identifier. It also provides the frequency with which you want AWS Config to run evaluations for the rule if the trigger type is periodic.

Contents

RuleIdentifier

For organization config managed rules, a predefined identifier from a list. For example, `IAM_PASSWORD_POLICY` is a managed rule. To reference a managed rule, see Using AWS Config managed rules.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Description

The description that you provide for your organization AWS Config rule.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

InputParameters

A string, in JSON format, that is passed to your organization AWS Config rule Lambda function.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

MaximumExecutionFrequency

The maximum frequency with which AWS Config runs evaluations for a rule. This is for an AWS Config managed rule that is triggered at a periodic frequency.

> **Note**
>
> By default, rules with a periodic trigger are evaluated every 24 hours. To change the frequency, specify a valid value for the `MaximumExecutionFrequency` parameter.

Type: String

Valid Values: `One_Hour | Three_Hours | Six_Hours | Twelve_Hours | TwentyFour_Hours`

Required: No

ResourceIdScope

The ID of the AWS resource that was evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceTypesScope

The type of the AWS resource that was evaluated.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

TagKeyScope

One part of a key-value pair that make up a tag. A key is a general label that acts like a category for more specific tag values.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

TagValueScope

The optional part of a key-value pair that make up a tag. A value acts as a descriptor within a tag category (key).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationResourceDetailedStatusFilters

Status filter object to filter results based on specific member account ID or status type for an organization conformance pack.

Contents

AccountId

The 12-digit account ID of the member account within an organization.

Type: String

Pattern: `\d{12}`

Required: No

Status

Indicates deployment status for conformance pack in a member account. When management account calls `PutOrganizationConformancePack` action for the first time, conformance pack status is created in the member account. When management account calls `PutOrganizationConformancePack` action for the second time, conformance pack status is updated in the member account. Conformance pack status is deleted when the management account deletes `OrganizationConformancePack` and disables service access for `config-multiaccountsetup.amazonaws.com`.

AWS Config sets the state of the conformance pack to:

- `CREATE_SUCCESSFUL` when conformance pack has been created in the member account.
- `CREATE_IN_PROGRESS` when conformance pack is being created in the member account.
- `CREATE_FAILED` when conformance pack creation has failed in the member account.
- `DELETE_FAILED` when conformance pack deletion has failed in the member account.
- `DELETE_IN_PROGRESS` when conformance pack is being deleted in the member account.
- `DELETE_SUCCESSFUL` when conformance pack has been deleted in the member account.
- `UPDATE_SUCCESSFUL` when conformance pack has been updated in the member account.
- `UPDATE_IN_PROGRESS` when conformance pack is being updated in the member account.
- `UPDATE_FAILED` when conformance pack deletion has failed in the member account.

Type: String

Valid Values: `CREATE_SUCCESSFUL | CREATE_IN_PROGRESS | CREATE_FAILED | DELETE_SUCCESSFUL | DELETE_FAILED | DELETE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_IN_PROGRESS | UPDATE_FAILED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PendingAggregationRequest

An object that represents the account ID and region of an aggregator account that is requesting authorization but is not yet authorized.

Contents

RequesterAccountId

The 12-digit account ID of the account requesting to aggregate data.

Type: String

Pattern: `\d{12}`

Required: No

RequesterAwsRegion

The region requesting to aggregate data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QueryInfo

Details about the query.

Contents

SelectFields

Returns a `FieldInfo` object.

Type: Array of FieldInfo objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecordingGroup

Specifies which resource types AWS Config records for configuration changes. By default, AWS Config records configuration changes for all current and future supported resource types in the AWS Region where you have enabled AWS Config, excluding the global IAM resource types: IAM users, groups, roles, and customer managed policies.

In the recording group, you specify whether you want to record all supported current and future supported resource types or to include or exclude specific resources types. For a list of supported resource types, see Supported Resource Types in the *AWS Config developer guide*.

If you don't want AWS Config to record all current and future supported resource types (excluding the global IAM resource types), use one of the following recording strategies:

1. **Record all current and future resource types with exclusions** (`EXCLUSION_BY_RESOURCE_TYPES`), or
2. **Record specific resource types** (`INCLUSION_BY_RESOURCE_TYPES`).

If you use the recording strategy to **Record all current and future resource types** (`ALL_SUPPORTED_RESOURCE_TYPES`), you can use the flag `includeGlobalResourceTypes` to include the global IAM resource types in your recording.

> **Important**
>
> **Aurora global clusters are recorded in all enabled Regions**
> The `AWS::RDS::GlobalCluster` resource type will be recorded in all supported AWS Config Regions where the configuration recorder is enabled.
> If you do not want to record `AWS::RDS::GlobalCluster` in all enabled Regions, use the `EXCLUSION_BY_RESOURCE_TYPES` or `INCLUSION_BY_RESOURCE_TYPES` recording strategy.

Contents

allSupported

Specifies whether AWS Config records configuration changes for all supported resource types, excluding the global IAM resource types.

If you set this field to `true`, when AWS Config adds support for a new resource type, AWS Config starts recording resources of that type automatically.

If you set this field to `true`, you cannot enumerate specific resource types to record in the `resourceTypes` field of RecordingGroup, or to exclude in the `resourceTypes` field of ExclusionByResourceTypes.

> **Note**
>
> **Region availability**
> Check Resource Coverage by Region Availability to see if a resource type is supported in the AWS Region where you set up AWS Config.

Type: Boolean

Required: No

exclusionByResourceTypes

An object that specifies how AWS Config excludes resource types from being recorded by the configuration recorder.

> **Note**
>
> **Required fields**
> To use this option, you must set the `useOnly` field of RecordingStrategy to `EXCLUSION_BY_RESOURCE_TYPES`.

Type: ExclusionByResourceTypes object

Required: No

includeGlobalResourceTypes

This option is a bundle which only applies to the global IAM resource types: IAM users, groups, roles, and customer managed policies. These global IAM resource types can only be recorded by AWS Config in Regions where AWS Config was available before February 2022. You cannot be record the global IAM resouce types in Regions supported by AWS Config after February 2022. This list where you cannot record the global IAM resource types includes the following Regions:

- Asia Pacific (Hyderabad)
- Asia Pacific (Melbourne)
- Canada West (Calgary)
- Europe (Spain)
- Europe (Zurich)
- Israel (Tel Aviv)
- Middle East (UAE)

Important

Aurora global clusters are recorded in all enabled Regions
The `AWS::RDS::GlobalCluster` resource type will be recorded in all supported AWS Config Regions where the configuration recorder is enabled, even if `includeGlobalResourceTypes` is set`false`. The `includeGlobalResourceTypes` option is a bundle which only applies to IAM users, groups, roles, and customer managed policies.
If you do not want to record `AWS::RDS::GlobalCluster` in all enabled Regions, use one of the following recording strategies:

1. **Record all current and future resource types with exclusions** (`EXCLUSION_BY_RESOURCE_TYPES`), or
2. **Record specific resource types** (`INCLUSION_BY_RESOURCE_TYPES`).

For more information, see Selecting Which Resources are Recorded in the *AWS Config developer guide*.

Important

includeGlobalResourceTypes and the exclusion recording strategy
The `includeGlobalResourceTypes` field has no impact on the `EXCLUSION_BY_RESOURCE_TYPES` recording strategy. This means that the global IAM resource types (IAM users, groups, roles, and customer managed policies) will not be automatically added as exclusions for `exclusionByResourceTypes` when `includeGlobalResourceTypes` is set to `false`.
The `includeGlobalResourceTypes` field should only be used to modify the `AllSupported` field, as the default for the `AllSupported` field is to record

configuration changes for all supported resource types excluding the global IAM resource types. To include the global IAM resource types when `AllSupported` is set to `true`, make sure to set `includeGlobalResourceTypes` to `true`.
To exclude the global IAM resource types for the `EXCLUSION_BY_RESOURCE_TYPES` recording strategy, you need to manually add them to the `resourceTypes` field of `exclusionByResourceTypes`.

Note

Required and optional fields
Before you set this field to `true`, set the `allSupported` field of RecordingGroup to `true`. Optionally, you can set the `useOnly` field of RecordingStrategy to `ALL_SUPPORTED_RESOURCE_TYPES`.

Note

Overriding fields
If you set this field to `false` but list global IAM resource types in the `resourceTypes` field of RecordingGroup, AWS Config will still record configuration changes for those specified resource types *regardless* of if you set the `includeGlobalResourceTypes` field to false.
If you do not want to record configuration changes to the global IAM resource types (IAM users, groups, roles, and customer managed policies), make sure to not list them in the `resourceTypes` field in addition to setting the `includeGlobalResourceTypes` field to false.

Type: Boolean

Required: No

recordingStrategy

An object that specifies the recording strategy for the configuration recorder.

- If you set the `useOnly` field of RecordingStrategy to `ALL_SUPPORTED_RESOURCE_TYPES`, AWS Config records configuration changes for all supported resource types, excluding the

global IAM resource types. You also must set the `allSupported` field of RecordingGroup to `true`. When AWS Config adds support for a new resource type, AWS Config automatically starts recording resources of that type.

- If you set the `useOnly` field of RecordingStrategy to `INCLUSION_BY_RESOURCE_TYPES`, AWS Config records configuration changes for only the resource types you specify in the `resourceTypes` field of RecordingGroup.
- If you set the `useOnly` field of RecordingStrategy to `EXCLUSION_BY_RESOURCE_TYPES`, AWS Config records configuration changes for all supported resource types except the resource types that you specify to exclude from being recorded in the `resourceTypes` field of ExclusionByResourceTypes.

Note

Required and optional fields

The `recordingStrategy` field is optional when you set the `allSupported` field of RecordingGroup to `true`.

The `recordingStrategy` field is optional when you list resource types in the `resourceTypes` field of RecordingGroup.

The `recordingStrategy` field is required if you list resource types to exclude from recording in the `resourceTypes` field of ExclusionByResourceTypes.

Note

Overriding fields

If you choose `EXCLUSION_BY_RESOURCE_TYPES` for the recording strategy, the `exclusionByResourceTypes` field will override other properties in the request. For example, even if you set `includeGlobalResourceTypes` to false, global IAM resource types will still be automatically recorded in this option unless those resource types are specifically listed as exclusions in the `resourceTypes` field of `exclusionByResourceTypes`.

Note

Global resources types and the resource exclusion recording strategy

By default, if you choose the EXCLUSION_BY_RESOURCE_TYPES recording strategy, when AWS Config adds support for a new resource type in the Region where you set up the configuration recorder, including global resource types, AWS Config starts recording resources of that type automatically.
Unless specifically listed as exclusions, `AWS::RDS::GlobalCluster` will be recorded automatically in all supported AWS Config Regions were the configuration recorder is enabled.
IAM users, groups, roles, and customer managed policies will be recorded in the Region where you set up the configuration recorder if that is a Region where AWS Config was available before February 2022. You cannot be record the global IAM resouce types in Regions supported by AWS Config after February 2022. This list where you cannot record the global IAM resource types includes the following Regions:

- Asia Pacific (Hyderabad)
- Asia Pacific (Melbourne)
- Canada West (Calgary)
- Europe (Spain)
- Europe (Zurich)
- Israel (Tel Aviv)
- Middle East (UAE)

Type: RecordingStrategy object

Required: No

resourceTypes

A comma-separated list that specifies which resource types AWS Config records.

For a list of valid `resourceTypes` values, see the **Resource Type Value** column in Supported AWS resource Types in the *AWS Config developer guide*.

Note

Required and optional fields
Optionally, you can set the `useOnly` field of RecordingStrategy to `INCLUSION_BY_RESOURCE_TYPES`.

To record all configuration changes, set the `allSupported` field of RecordingGroup to `true`, and either omit this field or don't specify any resource types in this field. If you set the `allSupported` field to `false` and specify values for `resourceTypes`, when AWS Config adds support for a new type of resource, it will not record resources of that type unless you manually add that type to your recording group.

Note

Region availability

Before specifying a resource type for AWS Config to track, check Resource Coverage by Region Availability to see if the resource type is supported in the AWS Region where you set up AWS Config. If a resource type is supported by AWS Config in at least one Region, you can enable the recording of that resource type in all Regions supported by AWS Config, even if the specified resource type is not supported in the AWS Region where you set up AWS Config.

Type: Array of strings

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup |`

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AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup
| AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory
| AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |
AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
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| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
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AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
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| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream

```
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
```

```
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document
```

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecordingMode

Specifies the default recording frequency that AWS Config uses to record configuration changes. AWS Config supports *Continuous recording* and *Daily recording*.

- Continuous recording allows you to record configuration changes continuously whenever a change occurs.
- Daily recording allows you to receive a configuration item (CI) representing the most recent state of your resources over the last 24-hour period, only if it's different from the previous CI recorded.

> **Note**
>
> AWS Firewall Manager depends on continuous recording to monitor your resources. If you are using Firewall Manager, it is recommended that you set the recording frequency to Continuous.

You can also override the recording frequency for specific resource types.

Contents

recordingFrequency

The default recording frequency that AWS Config uses to record configuration changes.

> **Important**
>
> Daily recording is not supported for the following resource types:
>
> - `AWS::Config::ResourceCompliance`
> - `AWS::Config::ConformancePackCompliance`
> - `AWS::Config::ConfigurationRecorder`
>
> For the **allSupported** (`ALL_SUPPORTED_RESOURCE_TYPES`) recording strategy, these resource types will be set to Continuous recording.

Type: String

Valid Values: `CONTINUOUS | DAILY`

Required: Yes

recordingModeOverrides

An array of `recordingModeOverride` objects for you to specify your overrides for the recording mode. The `recordingModeOverride` object in the `recordingModeOverrides` array consists of three fields: a `description`, the new `recordingFrequency`, and an array of `resourceTypes` to override.

Type: Array of RecordingModeOverride objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecordingModeOverride

An object for you to specify your overrides for the recording mode.

Contents

recordingFrequency

The recording frequency that will be applied to all the resource types specified in the override.

- Continuous recording allows you to record configuration changes continuously whenever a change occurs.
- Daily recording allows you to receive a configuration item (CI) representing the most recent state of your resources over the last 24-hour period, only if it's different from the previous CI recorded.

> **Note**
>
> AWS Firewall Manager depends on continuous recording to monitor your resources. If you are using Firewall Manager, it is recommended that you set the recording frequency to Continuous.

Type: String

Valid Values: `CONTINUOUS | DAILY`

Required: Yes

resourceTypes

A comma-separated list that specifies which resource types AWS Config includes in the override.

> **Important**
>
> Daily recording is not supported for the following resource types:
>
> - `AWS::Config::ResourceCompliance`
> - `AWS::Config::ConformancePackCompliance`
> - `AWS::Config::ConfigurationRecorder`

Type: Array of strings

Valid Values: AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup | AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup | AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory | AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack | AWS::ElasticLoadBalancing::LoadBalancer | AWS::AutoScaling::AutoScalingGroup | AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy | AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table | AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule | AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule | AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup | AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution | AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function | AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy | AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application | AWS::ElasticBeanstalk::ApplicationVersion | AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL | AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet | AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |

```
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
```

| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |

AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace | AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset | AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel | AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project | AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel | AWS::IVS::Channel | AWS::IVS::RecordingConfiguration | AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application | AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint | AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction | AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation | AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList | AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession | AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias | AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration | AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens | AWS::IoT::ScheduledAudit | AWS::Events::Connection | AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration | AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig | AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster | AWS::Route53RecoveryControl::SafetyRule | AWS::Route53RecoveryControl::ControlPanel | AWS::Route53RecoveryControl::RoutingControl | AWS::Route53RecoveryReadiness::ResourceSet | AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication | AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment | AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule | AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath | AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM | AWS::IoTTwinMaker::Scene | AWS::NetworkManager::TransitGatewayRegistration | AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool | AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy | AWS::AppFlow::Flow | AWS::AuditManager::Assessment | AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile | AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet | AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule

| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint

```
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document
```

Required: Yes

description

A description that you provide for the override.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecordingStrategy

Specifies the recording strategy of the configuration recorder.

Contents

useOnly

The recording strategy for the configuration recorder.

- If you set this option to `ALL_SUPPORTED_RESOURCE_TYPES`, AWS Config records configuration changes for all supported resource types, excluding the global IAM resource types. You also must set the `allSupported` field of RecordingGroup to `true`. When AWS Config adds support for a new resource type, AWS Config automatically starts recording resources of that type. For a list of supported resource types, see Supported Resource Types in the *AWS Config developer guide*.
- If you set this option to `INCLUSION_BY_RESOURCE_TYPES`, AWS Config records configuration changes for only the resource types that you specify in the `resourceTypes` field of RecordingGroup.
- If you set this option to `EXCLUSION_BY_RESOURCE_TYPES`, AWS Config records configuration changes for all supported resource types, except the resource types that you specify to exclude from being recorded in the `resourceTypes` field of ExclusionByResourceTypes.

> **Note**
>
> **Required and optional fields**
>
> The `recordingStrategy` field is optional when you set the `allSupported` field of RecordingGroup to `true`.
>
> The `recordingStrategy` field is optional when you list resource types in the `resourceTypes` field of RecordingGroup.
>
> The `recordingStrategy` field is required if you list resource types to exclude from recording in the `resourceTypes` field of ExclusionByResourceTypes.

> **Note**
>
> **Overriding fields**

If you choose `EXCLUSION_BY_RESOURCE_TYPES` for the recording strategy, the `exclusionByResourceTypes` field will override other properties in the request. For example, even if you set `includeGlobalResourceTypes` to false, global IAM resource types will still be automatically recorded in this option unless those resource types are specifically listed as exclusions in the `resourceTypes` field of `exclusionByResourceTypes`.

Note

Global resource types and the exclusion recording strategy

By default, if you choose the `EXCLUSION_BY_RESOURCE_TYPES` recording strategy, when AWS Config adds support for a new resource type in the Region where you set up the configuration recorder, including global resource types, AWS Config starts recording resources of that type automatically.

Unless specifically listed as exclusions, `AWS::RDS::GlobalCluster` will be recorded automatically in all supported AWS Config Regions were the configuration recorder is enabled.

IAM users, groups, roles, and customer managed policies will be recorded in the Region where you set up the configuration recorder if that is a Region where AWS Config was available before February 2022. You cannot be record the global IAM resouce types in Regions supported by AWS Config after February 2022. This list where you cannot record the global IAM resource types includes the following Regions:

- Asia Pacific (Hyderabad)
- Asia Pacific (Melbourne)
- Canada West (Calgary)
- Europe (Spain)
- Europe (Zurich)
- Israel (Tel Aviv)
- Middle East (UAE)

Type: String

Valid Values: `ALL_SUPPORTED_RESOURCE_TYPES | INCLUSION_BY_RESOURCE_TYPES | EXCLUSION_BY_RESOURCE_TYPES`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Relationship

The relationship of the related resource to the main resource.

Contents

relationshipName

The type of relationship with the related resource.

Type: String

Required: No

resourceId

The ID of the related resource (for example, `sg-xxxxxx`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

resourceName

The custom name of the related resource, if available.

Type: String

Required: No

resourceType

The resource type of the related resource.

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway |`

```
AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog
| AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain
| AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role |
AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer |
AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup
| AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot
| AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot
| AWS::RDS::EventSubscription | AWS::S3::Bucket |
AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster |
AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup |
AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup
| AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory
| AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |
AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
```

```
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
```

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| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
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| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
```

AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
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| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
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| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
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| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
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| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
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AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image

| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
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| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |

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AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document
```

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RemediationConfiguration

An object that represents the details about the remediation configuration that includes the remediation action, parameters, and data to execute the action.

Contents

ConfigRuleName

The name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

TargetId

Target ID is the name of the SSM document.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

TargetType

The type of the target. Target executes remediation. For example, SSM document.

Type: String

Valid Values: `SSM_DOCUMENT`

Required: Yes

Arn

Amazon Resource Name (ARN) of remediation configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

Automatic

The remediation is triggered automatically.

Type: Boolean

Required: No

CreatedByService

Name of the service that owns the service-linked rule, if applicable.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

ExecutionControls

An ExecutionControls object.

Type: ExecutionControls object

Required: No

MaximumAutomaticAttempts

The maximum number of failed attempts for auto-remediation. If you do not select a number, the default is 5.

For example, if you specify MaximumAutomaticAttempts as 5 with RetryAttemptSeconds as 50 seconds, AWS Config will put a RemediationException on your behalf for the failing resource after the 5th failed attempt within 50 seconds.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 25.

Required: No

Parameters

An object of the RemediationParameterValue.

Type: String to RemediationParameterValue object map

Map Entries: Minimum number of 0 items. Maximum number of 25 items.

Key Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

ResourceType

The type of a resource.

Type: String

Required: No

RetryAttemptSeconds

Time window to determine whether or not to add a remediation exception to prevent infinite remediation attempts. If `MaximumAutomaticAttempts` remediation attempts have been made under `RetryAttemptSeconds`, a remediation exception will be added to the resource. If you do not select a number, the default is 60 seconds.

For example, if you specify `RetryAttemptSeconds` as 50 seconds and `MaximumAutomaticAttempts` as 5, AWS Config will run auto-remediations 5 times within 50 seconds before adding a remediation exception to the resource.

Type: Long

Valid Range: Minimum value of 1. Maximum value of 2678000.

Required: No

TargetVersion

Version of the target. For example, version of the SSM document.

> **Note**
>
> If you make backward incompatible changes to the SSM document, you must call PutRemediationConfiguration API again to ensure the remediations can run.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RemediationException

An object that represents the details about the remediation exception. The details include the rule name, an explanation of an exception, the time when the exception will be deleted, the resource ID, and resource type.

Contents

ConfigRuleName

The name of the AWS Config rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

ResourceId

The ID of the resource (for example., sg-xxxxxx).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

ResourceType

The type of a resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

ExpirationTime

The time when the remediation exception will be deleted.

Type: Timestamp

Required: No

Message

An explanation of an remediation exception.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RemediationExceptionResourceKey

The details that identify a resource within AWS Config, including the resource type and resource ID.

Contents

ResourceId

The ID of the resource (for example., sg-xxxxxx).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

ResourceType

The type of a resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RemediationExecutionStatus

Provides details of the current status of the invoked remediation action for that resource.

Contents

InvocationTime

Start time when the remediation was executed.

Type: Timestamp

Required: No

LastUpdatedTime

The time when the remediation execution was last updated.

Type: Timestamp

Required: No

ResourceKey

The details that identify a resource within AWS Config, including the resource type and resource ID.

Type: ResourceKey object

Required: No

State

ENUM of the values.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | SUCCEEDED | FAILED`

Required: No

StepDetails

Details of every step.

Type: Array of RemediationExecutionStep objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RemediationExecutionStep

Name of the step from the SSM document.

Contents

ErrorMessage

An error message if the step was interrupted during execution.

Type: String

Required: No

Name

The details of the step.

Type: String

Required: No

StartTime

The time when the step started.

Type: Timestamp

Required: No

State

The valid status of the step.

Type: String

Valid Values: `SUCCEEDED | PENDING | FAILED`

Required: No

StopTime

The time when the step stopped.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RemediationParameterValue

The value is either a dynamic (resource) value or a static value. You must select either a dynamic value or a static value.

Contents

ResourceValue

The value is dynamic and changes at run-time.

Type: ResourceValue object

Required: No

StaticValue

The value is static and does not change at run-time.

Type: StaticValue object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceCount

An object that contains the resource type and the number of resources.

Contents

count

The number of resources.

Type: Long

Required: No

resourceType

The resource type (for example, "`AWS::EC2::Instance`").

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup | AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup | AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory | AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |`

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AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
```

| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
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| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |

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AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
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| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
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| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
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| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
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AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
```

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AWS::Route53RecoveryReadiness::ResourceSet |
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| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
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AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
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| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
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AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
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AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
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| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
```

```
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
```

```
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document
```

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceCountFilters

Filters the resource count based on account ID, region, and resource type.

Contents

AccountId

The 12-digit ID of the account.

Type: String

Pattern: `\d{12}`

Required: No

Region

The region where the account is located.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

ResourceType

The type of the AWS resource.

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer |`

```
AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup
| AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot
| AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot
| AWS::RDS::EventSubscription | AWS::S3::Bucket |
AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster |
AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup |
AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup
| AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory
| AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |
AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
```

```
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
```

| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession

```
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
```

| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |

```
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |
AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document
```

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceDetails

Returns information about the resource being evaluated.

Contents

ResourceConfiguration

The resource definition to be evaluated as per the resource configuration schema type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: Yes

ResourceId

A unique resource ID for an evaluation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: Yes

ResourceType

The type of resource being evaluated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

ResourceConfigurationSchemaType

The schema type of the resource configuration.

> **Note**
>
> You can find the Resource type schema, or `CFN_RESOURCE_SCHEMA`, in " *AWS public extensions*" within the AWS CloudFormation registry or with the following

CLI commmand: `aws cloudformation describe-type --type-name "AWS::S3::Bucket" --type RESOURCE`.
For more information, see Managing extensions through the AWS CloudFormation registry and AWS resource and property types reference in the AWS CloudFormation User Guide.

Type: String

Valid Values: `CFN_RESOURCE_SCHEMA`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceEvaluation

Returns details of a resource evaluation.

Contents

EvaluationMode

The mode of an evaluation. The valid values are Detective or Proactive.

Type: String

Valid Values: `DETECTIVE | PROACTIVE`

Required: No

EvaluationStartTimestamp

The starting time of an execution.

Type: Timestamp

Required: No

ResourceEvaluationId

The ResourceEvaluationId of a evaluation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2

- AWS SDK for Ruby V3

ResourceEvaluationFilters

Returns details of a resource evaluation based on the selected filter.

Contents

EvaluationContextIdentifier

Filters evaluations for a given infrastructure deployment. For example: CFN Stack.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

EvaluationMode

Filters all resource evaluations results based on an evaluation mode.

> **Important**
>
> Currently, `DECTECTIVE` is not supported as a valid value. Ignore other documentation stating otherwise.

Type: String

Valid Values: `DETECTIVE | PROACTIVE`

Required: No

TimeWindow

Returns a `TimeWindow` object.

Type: TimeWindow object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceFilters

Filters the results by resource account ID, region, resource ID, and resource name.

Contents

AccountId

The 12-digit source account ID.

Type: String

Pattern: `\d{12}`

Required: No

Region

The source region.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

ResourceId

The ID of the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ResourceName

The name of the resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceIdentifier

The details that identify a resource that is discovered by AWS Config, including the resource type, ID, and (if available) the custom resource name.

Contents

resourceDeletionTime

The time that the resource was deleted.

Type: Timestamp

Required: No

resourceId

The ID of the resource (for example, `sg-xxxxxx`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

resourceName

The custom name of the resource (if available).

Type: String

Required: No

resourceType

The type of resource.

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance |`

```
AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway |
AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog
| AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain
| AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role |
AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer |
AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup
| AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot
| AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot
| AWS::RDS::EventSubscription | AWS::S3::Bucket |
AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster |
AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup |
AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup
| AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory
| AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |
AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
```

```
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
```

```
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive
| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
```

| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |

AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |

AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation | AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate | AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace | AWS::CodeGuruProfiler::ProfilingGroup | AWS::Route53Resolver::ResolverQueryLoggingConfig | AWS::Batch::SchedulingPolicy | AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute | AWS::AppMesh::Mesh | AWS::Connect::Instance | AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway | AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect | AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider | AWS::IAM::InstanceProfile | AWS::IoT::CACertificate | AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector | AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer | AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet | AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient | AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope | AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace | AWS::GroundStation::DataflowEndpointGroup | AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment | AWS::QuickSight::DataSource | AWS::QuickSight::Template | AWS::QuickSight::Theme | AWS::RDS::OptionGroup | AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup | AWS::SSM::Document

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceKey

The details that identify a resource within AWS Config, including the resource type and resource ID.

Contents

resourceId

The ID of the resource (for example., sg-xxxxxx).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: Yes

resourceType

The resource type.

Type: String

Valid Values: `AWS::EC2::CustomerGateway | AWS::EC2::EIP | AWS::EC2::Host | AWS::EC2::Instance | AWS::EC2::InternetGateway | AWS::EC2::NetworkAcl | AWS::EC2::NetworkInterface | AWS::EC2::RouteTable | AWS::EC2::SecurityGroup | AWS::EC2::Subnet | AWS::CloudTrail::Trail | AWS::EC2::Volume | AWS::EC2::VPC | AWS::EC2::VPNConnection | AWS::EC2::VPNGateway | AWS::EC2::RegisteredHAInstance | AWS::EC2::NatGateway | AWS::EC2::EgressOnlyInternetGateway | AWS::EC2::VPCEndpoint | AWS::EC2::VPCEndpointService | AWS::EC2::FlowLog | AWS::EC2::VPCPeeringConnection | AWS::Elasticsearch::Domain | AWS::IAM::Group | AWS::IAM::Policy | AWS::IAM::Role | AWS::IAM::User | AWS::ElasticLoadBalancingV2::LoadBalancer | AWS::ACM::Certificate | AWS::RDS::DBInstance | AWS::RDS::DBSubnetGroup | AWS::RDS::DBSecurityGroup | AWS::RDS::DBSnapshot | AWS::RDS::DBCluster | AWS::RDS::DBClusterSnapshot | AWS::RDS::EventSubscription | AWS::S3::Bucket | AWS::S3::AccountPublicAccessBlock | AWS::Redshift::Cluster | AWS::Redshift::ClusterSnapshot | AWS::Redshift::ClusterParameterGroup | AWS::Redshift::ClusterSecurityGroup | AWS::Redshift::ClusterSubnetGroup | AWS::Redshift::EventSubscription | AWS::SSM::ManagedInstanceInventory`

```
| AWS::CloudWatch::Alarm | AWS::CloudFormation::Stack |
AWS::ElasticLoadBalancing::LoadBalancer |
AWS::AutoScaling::AutoScalingGroup |
AWS::AutoScaling::LaunchConfiguration | AWS::AutoScaling::ScalingPolicy
| AWS::AutoScaling::ScheduledAction | AWS::DynamoDB::Table |
AWS::CodeBuild::Project | AWS::WAF::RateBasedRule | AWS::WAF::Rule |
AWS::WAF::RuleGroup | AWS::WAF::WebACL | AWS::WAFRegional::RateBasedRule
| AWS::WAFRegional::Rule | AWS::WAFRegional::RuleGroup |
AWS::WAFRegional::WebACL | AWS::CloudFront::Distribution |
AWS::CloudFront::StreamingDistribution | AWS::Lambda::Function |
AWS::NetworkFirewall::Firewall | AWS::NetworkFirewall::FirewallPolicy
| AWS::NetworkFirewall::RuleGroup | AWS::ElasticBeanstalk::Application
| AWS::ElasticBeanstalk::ApplicationVersion |
AWS::ElasticBeanstalk::Environment | AWS::WAFv2::WebACL
| AWS::WAFv2::RuleGroup | AWS::WAFv2::IPSet |
AWS::WAFv2::RegexPatternSet | AWS::WAFv2::ManagedRuleSet |
AWS::XRay::EncryptionConfig | AWS::SSM::AssociationCompliance
| AWS::SSM::PatchCompliance | AWS::Shield::Protection |
AWS::ShieldRegional::Protection | AWS::Config::ConformancePackCompliance
| AWS::Config::ResourceCompliance | AWS::ApiGateway::Stage
| AWS::ApiGateway::RestApi | AWS::ApiGatewayV2::Stage
| AWS::ApiGatewayV2::Api | AWS::CodePipeline::Pipeline
| AWS::ServiceCatalog::CloudFormationProvisionedProduct
| AWS::ServiceCatalog::CloudFormationProduct |
AWS::ServiceCatalog::Portfolio | AWS::SQS::Queue | AWS::KMS::Key
| AWS::QLDB::Ledger | AWS::SecretsManager::Secret |
AWS::SNS::Topic | AWS::SSM::FileData | AWS::Backup::BackupPlan
| AWS::Backup::BackupSelection | AWS::Backup::BackupVault |
AWS::Backup::RecoveryPoint | AWS::ECR::Repository | AWS::ECS::Cluster
| AWS::ECS::Service | AWS::ECS::TaskDefinition | AWS::EFS::AccessPoint
| AWS::EFS::FileSystem | AWS::EKS::Cluster | AWS::OpenSearch::Domain
| AWS::EC2::TransitGateway | AWS::Kinesis::Stream |
AWS::Kinesis::StreamConsumer | AWS::CodeDeploy::Application |
AWS::CodeDeploy::DeploymentConfig | AWS::CodeDeploy::DeploymentGroup
| AWS::EC2::LaunchTemplate | AWS::ECR::PublicRepository |
AWS::GuardDuty::Detector | AWS::EMR::SecurityConfiguration |
```

AWS::SageMaker::CodeRepository | AWS::Route53Resolver::ResolverEndpoint
| AWS::Route53Resolver::ResolverRule |
AWS::Route53Resolver::ResolverRuleAssociation |
AWS::DMS::ReplicationSubnetGroup | AWS::DMS::EventSubscription
| AWS::MSK::Cluster | AWS::StepFunctions::Activity |
AWS::WorkSpaces::Workspace | AWS::WorkSpaces::ConnectionAlias
| AWS::SageMaker::Model | AWS::ElasticLoadBalancingV2::Listener
| AWS::StepFunctions::StateMachine | AWS::Batch::JobQueue |
AWS::Batch::ComputeEnvironment | AWS::AccessAnalyzer::Analyzer
| AWS::Athena::WorkGroup | AWS::Athena::DataCatalog |
AWS::Detective::Graph | AWS::GlobalAccelerator::Accelerator |
AWS::GlobalAccelerator::EndpointGroup | AWS::GlobalAccelerator::Listener
| AWS::EC2::TransitGatewayAttachment |
AWS::EC2::TransitGatewayRouteTable | AWS::DMS::Certificate
| AWS::AppConfig::Application | AWS::AppSync::GraphQLApi |
AWS::DataSync::LocationSMB | AWS::DataSync::LocationFSxLustre
| AWS::DataSync::LocationS3 | AWS::DataSync::LocationEFS
| AWS::DataSync::Task | AWS::DataSync::LocationNFS |
AWS::EC2::NetworkInsightsAccessScopeAnalysis | AWS::EKS::FargateProfile
| AWS::Glue::Job | AWS::GuardDuty::ThreatIntelSet
| AWS::GuardDuty::IPSet | AWS::SageMaker::Workteam
| AWS::SageMaker::NotebookInstanceLifecycleConfig |
AWS::ServiceDiscovery::Service |
AWS::ServiceDiscovery::PublicDnsNamespace | AWS::SES::ContactList
| AWS::SES::ConfigurationSet | AWS::Route53::HostedZone
| AWS::IoTEvents::Input | AWS::IoTEvents::DetectorModel |
AWS::IoTEvents::AlarmModel | AWS::ServiceDiscovery::HttpNamespace
| AWS::Events::EventBus | AWS::ImageBuilder::ContainerRecipe
| AWS::ImageBuilder::DistributionConfiguration |
AWS::ImageBuilder::InfrastructureConfiguration |
AWS::DataSync::LocationObjectStorage | AWS::DataSync::LocationHDFS
| AWS::Glue::Classifier | AWS::Route53RecoveryReadiness::Cell
| AWS::Route53RecoveryReadiness::ReadinessCheck |
AWS::ECR::RegistryPolicy | AWS::Backup::ReportPlan |
AWS::Lightsail::Certificate | AWS::RUM::AppMonitor |
AWS::Events::Endpoint | AWS::SES::ReceiptRuleSet | AWS::Events::Archive

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| AWS::Events::ApiDestination | AWS::Lightsail::Disk |
AWS::FIS::ExperimentTemplate | AWS::DataSync::LocationFSxWindows |
AWS::SES::ReceiptFilter | AWS::GuardDuty::Filter | AWS::SES::Template
| AWS::AmazonMQ::Broker | AWS::AppConfig::Environment |
AWS::AppConfig::ConfigurationProfile | AWS::Cloud9::EnvironmentEC2
| AWS::EventSchemas::Registry | AWS::EventSchemas::RegistryPolicy
| AWS::EventSchemas::Discoverer | AWS::FraudDetector::Label |
AWS::FraudDetector::EntityType | AWS::FraudDetector::Variable
| AWS::FraudDetector::Outcome | AWS::IoT::Authorizer |
AWS::IoT::SecurityProfile | AWS::IoT::RoleAlias | AWS::IoT::Dimension
| AWS::IoTAnalytics::Datastore | AWS::Lightsail::Bucket |
AWS::Lightsail::StaticIp | AWS::MediaPackage::PackagingGroup
| AWS::Route53RecoveryReadiness::RecoveryGroup |
AWS::ResilienceHub::ResiliencyPolicy | AWS::Transfer::Workflow
| AWS::EKS::IdentityProviderConfig | AWS::EKS::Addon
| AWS::Glue::MLTransform | AWS::IoT::Policy |
AWS::IoT::MitigationAction | AWS::IoTTwinMaker::Workspace
| AWS::IoTTwinMaker::Entity | AWS::IoTAnalytics::Dataset
| AWS::IoTAnalytics::Pipeline | AWS::IoTAnalytics::Channel
| AWS::IoTSiteWise::Dashboard | AWS::IoTSiteWise::Project
| AWS::IoTSiteWise::Portal | AWS::IoTSiteWise::AssetModel
| AWS::IVS::Channel | AWS::IVS::RecordingConfiguration |
AWS::IVS::PlaybackKeyPair | AWS::KinesisAnalyticsV2::Application
| AWS::RDS::GlobalCluster | AWS::S3::MultiRegionAccessPoint |
AWS::DeviceFarm::TestGridProject | AWS::Budgets::BudgetsAction
| AWS::Lex::Bot | AWS::CodeGuruReviewer::RepositoryAssociation |
AWS::IoT::CustomMetric | AWS::Route53Resolver::FirewallDomainList |
AWS::RoboMaker::RobotApplicationVersion | AWS::EC2::TrafficMirrorSession
| AWS::IoTSiteWise::Gateway | AWS::Lex::BotAlias |
AWS::LookoutMetrics::Alert | AWS::IoT::AccountAuditConfiguration
| AWS::EC2::TrafficMirrorTarget | AWS::S3::StorageLens
| AWS::IoT::ScheduledAudit | AWS::Events::Connection |
AWS::EventSchemas::Schema | AWS::MediaPackage::PackagingConfiguration
| AWS::KinesisVideo::SignalingChannel | AWS::AppStream::DirectoryConfig
| AWS::LookoutVision::Project | AWS::Route53RecoveryControl::Cluster |
AWS::Route53RecoveryControl::SafetyRule |
```

```
AWS::Route53RecoveryControl::ControlPanel |
AWS::Route53RecoveryControl::RoutingControl |
AWS::Route53RecoveryReadiness::ResourceSet |
AWS::RoboMaker::SimulationApplication | AWS::RoboMaker::RobotApplication
| AWS::HealthLake::FHIRDatastore | AWS::Pinpoint::Segment
| AWS::Pinpoint::ApplicationSettings | AWS::Events::Rule
| AWS::EC2::DHCPOptions | AWS::EC2::NetworkInsightsPath
| AWS::EC2::TrafficMirrorFilter | AWS::EC2::IPAM |
AWS::IoTTwinMaker::Scene |
AWS::NetworkManager::TransitGatewayRegistration |
AWS::CustomerProfiles::Domain | AWS::AutoScaling::WarmPool |
AWS::Connect::PhoneNumber | AWS::AppConfig::DeploymentStrategy
| AWS::AppFlow::Flow | AWS::AuditManager::Assessment |
AWS::CloudWatch::MetricStream | AWS::DeviceFarm::InstanceProfile
| AWS::DeviceFarm::Project | AWS::EC2::EC2Fleet |
AWS::EC2::SubnetRouteTableAssociation | AWS::ECR::PullThroughCacheRule
| AWS::GroundStation::Config | AWS::ImageBuilder::ImagePipeline
| AWS::IoT::FleetMetric | AWS::IoTWireless::ServiceProfile |
AWS::NetworkManager::Device | AWS::NetworkManager::GlobalNetwork
| AWS::NetworkManager::Link | AWS::NetworkManager::Site
| AWS::Panorama::Package | AWS::Pinpoint::App |
AWS::Redshift::ScheduledAction |
AWS::Route53Resolver::FirewallRuleGroupAssociation |
AWS::SageMaker::AppImageConfig | AWS::SageMaker::Image
| AWS::ECS::TaskSet | AWS::Cassandra::Keyspace |
AWS::Signer::SigningProfile | AWS::Amplify::App |
AWS::AppMesh::VirtualNode | AWS::AppMesh::VirtualService |
AWS::AppRunner::VpcConnector | AWS::AppStream::Application
| AWS::CodeArtifact::Repository | AWS::EC2::PrefixList |
AWS::EC2::SpotFleet | AWS::Evidently::Project | AWS::Forecast::Dataset
| AWS::IAM::SAMLProvider | AWS::IAM::ServerCertificate
| AWS::Pinpoint::Campaign | AWS::Pinpoint::InAppTemplate
| AWS::SageMaker::Domain | AWS::Transfer::Agreement |
AWS::Transfer::Connector | AWS::KinesisFirehose::DeliveryStream
| AWS::Amplify::Branch | AWS::AppIntegrations::EventIntegration
| AWS::AppMesh::Route | AWS::Athena::PreparedStatement
```

| AWS::EC2::IPAMScope | AWS::Evidently::Launch |
AWS::Forecast::DatasetGroup | AWS::GreengrassV2::ComponentVersion |
AWS::GroundStation::MissionProfile | AWS::MediaConnect::FlowEntitlement
| AWS::MediaConnect::FlowVpcInterface |
AWS::MediaTailor::PlaybackConfiguration | AWS::MSK::Configuration
| AWS::Personalize::Dataset | AWS::Personalize::Schema |
AWS::Personalize::Solution | AWS::Pinpoint::EmailTemplate
| AWS::Pinpoint::EventStream | AWS::ResilienceHub::App |
AWS::ACMPCA::CertificateAuthority |
AWS::AppConfig::HostedConfigurationVersion |
AWS::AppMesh::VirtualGateway | AWS::AppMesh::VirtualRouter |
AWS::AppRunner::Service | AWS::CustomerProfiles::ObjectType
| AWS::DMS::Endpoint | AWS::EC2::CapacityReservation
| AWS::EC2::ClientVpnEndpoint | AWS::Kendra::Index
| AWS::KinesisVideo::Stream | AWS::Logs::Destination
| AWS::Pinpoint::EmailChannel | AWS::S3::AccessPoint
| AWS::NetworkManager::CustomerGatewayAssociation |
AWS::NetworkManager::LinkAssociation | AWS::IoTWireless::MulticastGroup
| AWS::Personalize::DatasetGroup | AWS::IoTTwinMaker::ComponentType
| AWS::CodeBuild::ReportGroup | AWS::SageMaker::FeatureGroup
| AWS::MSK::BatchScramSecret | AWS::AppStream::Stack |
AWS::IoT::JobTemplate | AWS::IoTWireless::FuotaTask |
AWS::IoT::ProvisioningTemplate | AWS::InspectorV2::Filter |
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation |
AWS::ServiceDiscovery::Instance | AWS::Transfer::Certificate |
AWS::MediaConnect::FlowSource | AWS::APS::RuleGroupsNamespace |
AWS::CodeGuruProfiler::ProfilingGroup |
AWS::Route53Resolver::ResolverQueryLoggingConfig |
AWS::Batch::SchedulingPolicy |
AWS::ACMPCA::CertificateAuthorityActivation | AWS::AppMesh::GatewayRoute
| AWS::AppMesh::Mesh | AWS::Connect::Instance |
AWS::Connect::QuickConnect | AWS::EC2::CarrierGateway |
AWS::EC2::IPAMPool | AWS::EC2::TransitGatewayConnect |
AWS::EC2::TransitGatewayMulticastDomain | AWS::ECS::CapacityProvider
| AWS::IAM::InstanceProfile | AWS::IoT::CACertificate |
AWS::IoTTwinMaker::SyncJob | AWS::KafkaConnect::Connector |

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AWS::Lambda::CodeSigningConfig | AWS::NetworkManager::ConnectPeer
| AWS::ResourceExplorer2::Index | AWS::AppStream::Fleet
| AWS::Cognito::UserPool | AWS::Cognito::UserPoolClient |
AWS::Cognito::UserPoolGroup | AWS::EC2::NetworkInsightsAccessScope
| AWS::EC2::NetworkInsightsAnalysis | AWS::Grafana::Workspace
| AWS::GroundStation::DataflowEndpointGroup |
AWS::ImageBuilder::ImageRecipe | AWS::KMS::Alias | AWS::M2::Environment
| AWS::QuickSight::DataSource | AWS::QuickSight::Template
| AWS::QuickSight::Theme | AWS::RDS::OptionGroup |
AWS::Redshift::EndpointAccess | AWS::Route53Resolver::FirewallRuleGroup
| AWS::SSM::Document
```

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceValue

The dynamic value of the resource.

Contents

Value

The value is a resource ID.

Type: String

Valid Values: `RESOURCE_ID`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RetentionConfiguration

An object with the name of the retention configuration and the retention period in days. The object stores the configuration for data retention in AWS Config.

Contents

Name

The name of the retention configuration object.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\w\-]+`

Required: Yes

RetentionPeriodInDays

Number of days AWS Config stores your historical information.

> **Note**
> Currently, only applicable to the configuration item history.

Type: Integer

Valid Range: Minimum value of 30. Maximum value of 2557.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go

- AWS SDK for Java V2
- AWS SDK for Ruby V3

Scope

Defines which resources trigger an evaluation for an AWS Config rule. The scope can include one or more resource types, a combination of a tag key and value, or a combination of one resource type and one resource ID. Specify a scope to constrain which resources trigger an evaluation for a rule. Otherwise, evaluations for the rule are triggered when any resource in your recording group changes in configuration.

Contents

ComplianceResourceId

The ID of the only AWS resource that you want to trigger an evaluation for the rule. If you specify a resource ID, you must specify one resource type for `ComplianceResourceTypes`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 768.

Required: No

ComplianceResourceTypes

The resource types of only those AWS resources that you want to trigger an evaluation for the rule. You can only specify one type if you also specify a resource ID for `ComplianceResourceId`.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

TagKey

The tag key that is applied to only those AWS resources that you want to trigger an evaluation for the rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

TagValue

The tag value applied to only those AWS resources that you want to trigger an evaluation for the rule. If you specify a value for `TagValue`, you must also specify a value for `TagKey`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Source

Provides the CustomPolicyDetails, the rule owner (`AWS` for managed rules, `CUSTOM_POLICY` for Custom Policy rules, and `CUSTOM_LAMBDA` for Custom Lambda rules), the rule identifier, and the events that cause the evaluation of your AWS resources.

Contents

Owner

Indicates whether AWS or the customer owns and manages the AWS Config rule.

AWS Config Managed Rules are predefined rules owned by AWS. For more information, see AWS Config Managed Rules in the *AWS Config developer guide*.

AWS Config Custom Rules are rules that you can develop either with Guard (`CUSTOM_POLICY`) or AWS Lambda (`CUSTOM_LAMBDA`). For more information, see AWS Config Custom Rules in the *AWS Config developer guide*.

Type: String

Valid Values: `CUSTOM_LAMBDA | AWS | CUSTOM_POLICY`

Required: Yes

CustomPolicyDetails

Provides the runtime system, policy definition, and whether debug logging is enabled. Required when owner is set to `CUSTOM_POLICY`.

Type: CustomPolicyDetails object

Required: No

SourceDetails

Provides the source and the message types that cause AWS Config to evaluate your AWS resources against a rule. It also provides the frequency with which you want AWS Config to run evaluations for the rule if the trigger type is periodic.

If the owner is set to `CUSTOM_POLICY`, the only acceptable values for the AWS Config rule trigger message type are `ConfigurationItemChangeNotification` and `OversizedConfigurationItemChangeNotification`.

Type: Array of SourceDetail objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Required: No

SourceIdentifier

For AWS Config Managed rules, a predefined identifier from a list. For example, `IAM_PASSWORD_POLICY` is a managed rule. To reference a managed rule, see List of AWS Config Managed Rules.

For AWS Config Custom Lambda rules, the identifier is the Amazon Resource Name (ARN) of the rule's AWS Lambda function, such as `arn:aws:lambda:us-east-2:123456789012:function:custom_rule_name`.

For AWS Config Custom Policy rules, this field will be ignored.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceDetail

Provides the source and the message types that trigger AWS Config to evaluate your AWS resources against a rule. It also provides the frequency with which you want AWS Config to run evaluations for the rule if the trigger type is periodic. You can specify the parameter values for `SourceDetail` only for custom rules.

Contents

EventSource

The source of the event, such as an AWS service, that triggers AWS Config to evaluate your AWS resources.

Type: String

Valid Values: `aws.config`

Required: No

MaximumExecutionFrequency

The frequency at which you want AWS Config to run evaluations for a custom rule with a periodic trigger. If you specify a value for `MaximumExecutionFrequency`, then `MessageType` must use the `ScheduledNotification` value.

> **Note**
>
> By default, rules with a periodic trigger are evaluated every 24 hours. To change the frequency, specify a valid value for the `MaximumExecutionFrequency` parameter. Based on the valid value you choose, AWS Config runs evaluations once for each valid value. For example, if you choose `Three_Hours`, AWS Config runs evaluations once every three hours. In this case, `Three_Hours` is the frequency of this rule.

Type: String

Valid Values: `One_Hour | Three_Hours | Six_Hours | Twelve_Hours | TwentyFour_Hours`

Required: No

MessageType

The type of notification that triggers AWS Config to run an evaluation for a rule. You can specify the following notification types:

- `ConfigurationItemChangeNotification` - Triggers an evaluation when AWS Config delivers a configuration item as a result of a resource change.
- `OversizedConfigurationItemChangeNotification` - Triggers an evaluation when AWS Config delivers an oversized configuration item. AWS Config may generate this notification type when a resource changes and the notification exceeds the maximum size allowed by Amazon SNS.
- `ScheduledNotification` - Triggers a periodic evaluation at the frequency specified for `MaximumExecutionFrequency`.
- `ConfigurationSnapshotDeliveryCompleted` - Triggers a periodic evaluation when AWS Config delivers a configuration snapshot.

If you want your custom rule to be triggered by configuration changes, specify two SourceDetail objects, one for `ConfigurationItemChangeNotification` and one for `OversizedConfigurationItemChangeNotification`.

Type: String

Valid Values: `ConfigurationItemChangeNotification | ConfigurationSnapshotDeliveryCompleted | ScheduledNotification | OversizedConfigurationItemChangeNotification`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SsmControls

AWS Systems Manager (SSM) specific remediation controls.

Contents

ConcurrentExecutionRatePercentage

The maximum percentage of remediation actions allowed to run in parallel on the non-compliant resources for that specific rule. You can specify a percentage, such as 10%. The default value is 10.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

ErrorPercentage

The percentage of errors that are allowed before SSM stops running automations on non-compliant resources for that specific rule. You can specify a percentage of errors, for example 10%. If you do not specifiy a percentage, the default is 50%. For example, if you set the ErrorPercentage to 40% for 10 non-compliant resources, then SSM stops running the automations when the fifth error is received.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2

- AWS SDK for Ruby V3

StaticValue

The static value of the resource.

Contents

Values

A list of values. For example, the ARN of the assumed role.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StatusDetailFilters

Status filter object to filter results based on specific member account ID or status type for an organization AWS Config rule.

Contents

AccountId

The 12-digit account ID of the member account within an organization.

Type: String

Pattern: `\d{12}`

Required: No

MemberAccountRuleStatus

Indicates deployment status for AWS Config rule in the member account. When management account calls `PutOrganizationConfigRule` action for the first time, AWS Config rule status is created in the member account. When management account calls `PutOrganizationConfigRule` action for the second time, AWS Config rule status is updated in the member account. AWS Config rule status is deleted when the management account deletes `OrganizationConfigRule` and disables service access for `config-multiaccountsetup.amazonaws.com`.

AWS Config sets the state of the rule to:

- `CREATE_SUCCESSFUL` when AWS Config rule has been created in the member account.
- `CREATE_IN_PROGRESS` when AWS Config rule is being created in the member account.
- `CREATE_FAILED` when AWS Config rule creation has failed in the member account.
- `DELETE_FAILED` when AWS Config rule deletion has failed in the member account.
- `DELETE_IN_PROGRESS` when AWS Config rule is being deleted in the member account.
- `DELETE_SUCCESSFUL` when AWS Config rule has been deleted in the member account.
- `UPDATE_SUCCESSFUL` when AWS Config rule has been updated in the member account.
- `UPDATE_IN_PROGRESS` when AWS Config rule is being updated in the member account.
- `UPDATE_FAILED` when AWS Config rule deletion has failed in the member account.

Type: String

Valid Values: `CREATE_SUCCESSFUL | CREATE_IN_PROGRESS | CREATE_FAILED | DELETE_SUCCESSFUL | DELETE_FAILED | DELETE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_IN_PROGRESS | UPDATE_FAILED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StoredQuery

Provides the details of a stored query.

Contents

QueryName

The name of the query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9-_]+$`

Required: Yes

Description

A unique description for the query.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Expression

The expression of the query. For example, `SELECT resourceId, resourceType, supplementaryConfiguration.BucketVersioningConfiguration.status WHERE resourceType = 'AWS::S3::Bucket' AND supplementaryConfiguration.BucketVersioningConfiguration.status = 'Off'`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[\s\S]*`

Required: No

QueryArn

Amazon Resource Name (ARN) of the query. For example, arn:partition:service:region:account-id:resource-type/resource-name/resource-id.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `^arn:aws[a-z\-]*:config:[a-z\-\d]+:\d+:stored-query/[a-zA-Z0-9-_]+/query-[a-zA-Z\d-_/]+$`

Required: No

QueryId

The ID of the query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `^\S+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StoredQueryMetadata

Returns details of a specific query.

Contents

QueryArn

Amazon Resource Name (ARN) of the query. For example, arn:partition:service:region:account-id:resource-type/resource-name/resource-id.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `^arn:aws[a-z\-]*:config:[a-z\-\d]+:\d+:stored-query/[a-zA-Z0-9-_]+/query-[a-zA-Z\d-_/]+$`

Required: Yes

QueryId

The ID of the query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `^\S+$`

Required: Yes

QueryName

The name of the query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9-_]+$`

Required: Yes

Description

A unique description for the query.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

The tags for the resource. The metadata that you apply to a resource to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define. Tag keys can have a maximum character length of 128 characters, and tag values can have a maximum length of 256 characters.

Contents

Key

One part of a key-value pair that make up a tag. A key is a general label that acts like a category for more specific tag values.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

Value

The optional part of a key-value pair that make up a tag. A value acts as a descriptor within a tag category (key).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TemplateSSMDocumentDetails

This API allows you to create a conformance pack template with an AWS Systems Manager document (SSM document). To deploy a conformance pack using an SSM document, first create an SSM document with conformance pack content, and then provide the `DocumentName` in the PutConformancePack API. You can also provide the `DocumentVersion`.

The `TemplateSSMDocumentDetails` object contains the name of the SSM document and the version of the SSM document.

Contents

DocumentName

The name or Amazon Resource Name (ARN) of the SSM document to use to create a conformance pack. If you use the document name, AWS Config checks only your account and AWS Region for the SSM document.

Type: String

Pattern: `^[a-zA-Z0-9_\-.:/]{3,200}$`

Required: Yes

DocumentVersion

The version of the SSM document to use to create a conformance pack. By default, AWS Config uses the latest version.

> **Note**
>
> This field is optional.

Type: String

Pattern: `([$]LATEST|[$]DEFAULT|^[1-9][0-9]*$)`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TimeWindow

Filters evaluation results based on start and end times.

Contents

EndTime

The end time of an execution. The end time must be after the start date.

Type: Timestamp

Required: No

StartTime

The start time of an execution.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

InvalidAction

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

InvalidClientTokenId

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400