API Reference

AWS Health

API Version 2016-08-04

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AWS Health: API Reference

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Welcome

The AWS Health API provides access to the AWS Health information that appears in the AWS Health Dashboard. You can use the API operations to get information about events that might affect your AWS services and resources.

You must have a Business, Enterprise On-Ramp, or Enterprise Support plan from AWS Support to use the AWS Health API. If you call the AWS Health API from an AWS account that doesn't have a Business, Enterprise On-Ramp, or Enterprise Support plan, you receive a `SubscriptionRequiredException` error.

For API access, you need an access key ID and a secret access key. Use temporary credentials instead of long-term access keys when possible. Temporary credentials include an access key ID, a secret access key, and a security token that indicates when the credentials expire. For more information, see Best practices for managing AWS access keys in the *AWS General Reference*.

You can use the AWS Health endpoint health.us-east-1.amazonaws.com (HTTPS) to call the AWS Health API operations. AWS Health supports a multi-Region application architecture and has two regional endpoints in an active-passive configuration. You can use the high availability endpoint example to determine which AWS Region is active, so that you can get the latest information from the API. For more information, see Accessing the AWS Health API in the *AWS Health User Guide*.

> **Note**
>
> You can get started with the AWS Health API by using AWS Health Aware - a low-cost application that you can use to send health events to Slack, JIRA, ServiceNow and more.

For authentication of requests, AWS Health uses the Signature Version 4 Signing Process.

If your AWS account is part of AWS Organizations, you can use the AWS Health organizational view feature. This feature provides a centralized view of AWS Health events across all accounts in your organization. You can aggregate AWS Health events in real time to identify accounts in your organization that are affected by an operational event or get notified of security vulnerabilities. Use the organizational view API operations to enable this feature and return event information. For more information, see Aggregating AWS Health events in the *AWS Health User Guide*.

Note

When you use the AWS Health API operations to return AWS Health events, see the following recommendations:

- Use the eventScopeCode parameter to specify whether to return AWS Health events that are public or account-specific.
- Use pagination to view all events from the response. For example, if you call the `DescribeEventsForOrganization` operation to get all events in your organization, you might receive several page results. Specify the `nextToken` in the next request to return more results.

This document was last published on November 6, 2026.

Actions

The following actions are supported:

- DescribeAffectedAccountsForOrganization
- DescribeAffectedEntities
- DescribeAffectedEntitiesForOrganization
- DescribeEntityAggregates
- DescribeEntityAggregatesForOrganization
- DescribeEventAggregates
- DescribeEventDetails
- DescribeEventDetailsForOrganization
- DescribeEvents
- DescribeEventsForOrganization
- DescribeEventTypes
- DescribeHealthServiceStatusForOrganization
- DescribeServiceLifecycle
- DisableHealthServiceAccessForOrganization
- EnableHealthServiceAccessForOrganization

DescribeAffectedAccountsForOrganization

Returns a list of accounts in the organization from AWS Organizations that are affected by the provided event. For more information about the different types of AWS Health events, see Event.

Before you can call this operation, you must first enable AWS Health to work with AWS Organizations. To do this, call the EnableHealthServiceAccessForOrganization operation from your organization's management account.

> **Note**
>
> This API operation uses pagination. Specify the `nextToken` parameter in the next request to return more results.

Request Syntax

```
{
   "eventArn": "string",
   "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.

eventArn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: Yes

maxResults

The maximum number of items to return in one batch, between 10 and 100, inclusive.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

Required: No

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Required: No

Response Syntax

```
{
   "affectedAccounts": [ "string" ],
   "eventScopeCode": "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.

affectedAccounts

A JSON set of elements of the affected accounts.

Type: Array of strings

Length Constraints: Maximum length of 12.

Pattern: ^\S+$

eventScopeCode

This parameter specifies if the AWS Health event is a public AWS service event or an account-specific event.

- If the `eventScopeCode` value is `PUBLIC`, then the `affectedAccounts` value is always empty.
- If the `eventScopeCode` value is `ACCOUNT_SPECIFIC`, then the `affectedAccounts` value lists the affected AWS accounts in your organization. For example, if an event affects a service such as Amazon Elastic Compute Cloud and you have AWS accounts that use that service, those account IDs appear in the response.
- If the `eventScopeCode` value is `NONE`, then the `eventArn` that you specified in the request is invalid or doesn't exist.

Type: String

Valid Values: `PUBLIC | ACCOUNT_SPECIFIC | NONE`

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Errors

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

InvalidPaginationToken

The specified pagination token (`nextToken`) is not valid.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeAffectedEntities

Returns a list of entities that have been affected by the specified events, based on the specified filter criteria. Entities can refer to individual customer resources, groups of customer resources, or any other construct, depending on the AWS service. Events that have impact beyond that of the affected entities, or where the extent of impact is unknown, include at least one entity indicating this.

At least one event ARN is required.

Note

- This API operation uses pagination. Specify the `nextToken` parameter in the next request to return more results.
- This operation supports resource-level permissions. You can use this operation to allow or deny access to specific AWS Health events. For more information, see Resource- and action-based conditions in the *AWS Health User Guide*.

Request Syntax

```
{
   "filter": {
      "entityArns": [ "string" ],
      "entityValues": [ "string" ],
      "eventArns": [ "string" ],
      "lastUpdatedTimes": [
         {
            "from": number,
            "to": number
         }
      ],
      "statusCodes": [ "string" ],
      "tags": [
         {
            "string" : "string"
         }
      ]
   },
   "locale": "string",
```

```
    "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.

filter

Values to narrow the results returned. At least one event ARN is required.

Type: EntityFilter object

Required: Yes

locale

The locale (language) to return information in. English (en) is the default and the only supported value at this time.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `.{2,256}`

Required: No

maxResults

The maximum number of items to return in one batch, between 1 and 100, inclusive.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue

the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Required: No

Response Syntax

```
{
   "entities": [
      {
         "awsAccountId": "string",
         "entityArn": "string",
         "entityMetadata": {
            "string" : "string"
         },
         "entityUrl": "string",
         "entityValue": "string",
         "eventArn": "string",
         "lastUpdatedTime": number,
         "statusCode": "string",
         "tags": {
            "string" : "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.

entities

The entities that match the filter criteria.

Type: Array of AffectedEntity objects

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Errors

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

InvalidPaginationToken

The specified pagination token (`nextToken`) is not valid.

HTTP Status Code: 400

UnsupportedLocale

The specified locale is not supported.

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 V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeAffectedEntitiesForOrganization

Returns a list of entities that have been affected by one or more events for one or more accounts in your organization in AWS Organizations, based on the filter criteria. Entities can refer to individual customer resources, groups of customer resources, or any other construct, depending on the AWS service.

At least one event Amazon Resource Name (ARN) and account ID are required.

Before you can call this operation, you must first enable AWS Health to work with AWS Organizations. To do this, call the EnableHealthServiceAccessForOrganization operation from your organization's management account.

Note

- This API operation uses pagination. Specify the `nextToken` parameter in the next request to return more results.
- This operation doesn't support resource-level permissions. You can't use this operation to allow or deny access to specific AWS Health events. For more information, see Resource- and action-based conditions in the *AWS Health User Guide*.

Request Syntax

```
{
   "locale": "string",
   "maxResults": number,
   "nextToken": "string",
   "organizationEntityAccountFilters": [
      {
         "awsAccountId": "string",
         "eventArn": "string",
         "statusCodes": [ "string" ]
      }
   ],
   "organizationEntityFilters": [
      {
         "awsAccountId": "string",
         "eventArn": "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.

locale

The locale (language) to return information in. English (en) is the default and the only supported value at this time.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `.{2,256}`

Required: No

maxResults

The maximum number of items to return in one batch, between 1 and 100, inclusive.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Required: No

organizationEntityAccountFilters

A JSON set of elements including the `awsAccountId`, `eventArn` and a set of `statusCodes`.

Type: Array of EntityAccountFilter objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

organizationEntityFilters

This parameter has been deprecated.

A JSON set of elements including the `awsAccountId` and the `eventArn`.

Type: Array of EventAccountFilter objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

Response Syntax

```
{
   "entities": [
      {
         "awsAccountId": "string",
         "entityArn": "string",
         "entityMetadata": {
            "string" : "string"
         },
         "entityUrl": "string",
         "entityValue": "string",
         "eventArn": "string",
         "lastUpdatedTime": number,
         "statusCode": "string",
         "tags": {
            "string" : "string"
         }
```

```
      }
   ],
   "failedSet": [
      {
         "awsAccountId": "string",
         "errorMessage": "string",
         "errorName": "string",
         "eventArn": "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.

entities

A JSON set of elements including the `awsAccountId` and its `entityArn`, `entityValue` and its `entityArn`, `lastUpdatedTime`, and `statusCode`.

Type: Array of AffectedEntity objects

failedSet

A JSON set of elements of the failed response, including the `awsAccountId`, `errorMessage`, `errorName`, and `eventArn`.

Type: Array of OrganizationAffectedEntitiesErrorItem objects

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Errors

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

InvalidPaginationToken

The specified pagination token (`nextToken`) is not valid.

HTTP Status Code: 400

UnsupportedLocale

The specified locale is not supported.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeEntityAggregates

Returns the number of entities that are affected by each of the specified events.

Request Syntax

```
{
   "eventArns": [ "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.

eventArns

A list of event ARNs (unique identifiers). For example: `"arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-CDE456", "arn:aws:health:us-west-1::event/EBS/AWS_EBS_LOST_VOLUME/AWS_EBS_LOST_VOLUME_CHI789_JKL101"`

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: No

Response Syntax

```
{
   "entityAggregates": [
      {
         "count": number,
         "eventArn": "string",
```

```
         "statuses": {
            "string" : 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.

entityAggregates

The number of entities that are affected by each of the specified events.

Type: Array of EntityAggregate objects

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeEntityAggregatesForOrganization

Returns a list of entity aggregates for your AWS Organizations that are affected by each of the specified events.

Request Syntax

```
{
   "awsAccountIds": [ "string" ],
   "eventArns": [ "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.

awsAccountIds

A list of 12-digit AWS account numbers that contains the affected entities.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Length Constraints: Maximum length of 12.

Pattern: ^\S+$

Required: No

eventArns

A list of event ARNs (unique identifiers). For example: `"arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-CDE456", "arn:aws:health:us-west-1::event/EBS/AWS_EBS_LOST_VOLUME/AWS_EBS_LOST_VOLUME_CHI789_JKL101"`

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: Yes

Response Syntax

```
{
   "organizationEntityAggregates": [
      {
         "accounts": [
            {
               "accountId": "string",
               "count": number,
               "statuses": {
                  "string" : number
               }
            }
         ],
         "count": number,
         "eventArn": "string",
         "statuses": {
            "string" : 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.

organizationEntityAggregates

The list of entity aggregates for each of the specified accounts that are affected by each of the specified events.

Type: Array of OrganizationEntityAggregate objects

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeEventAggregates

Returns the number of events of each event type (issue, scheduled change, and account notification). If no filter is specified, the counts of all events in each category are returned.

> **Note**
>
> This API operation uses pagination. Specify the `nextToken` parameter in the next request to return more results.

Request Syntax

```
{
   "aggregateField": "string",
   "filter": {
      "actionabilities": [ "string" ],
      "availabilityZones": [ "string" ],
      "endTimes": [
         {
            "from": number,
            "to": number
         }
      ],
      "entityArns": [ "string" ],
      "entityValues": [ "string" ],
      "eventArns": [ "string" ],
      "eventStatusCodes": [ "string" ],
      "eventTypeCategories": [ "string" ],
      "eventTypeCodes": [ "string" ],
      "lastUpdatedTimes": [
         {
            "from": number,
            "to": number
         }
      ],
      "personas": [ "string" ],
      "regions": [ "string" ],
      "services": [ "string" ],
      "startTimes": [
         {
```

```
            "from": number,
            "to": number
         }
      ],
      "tags": [
         {
            "string" : "string"
         }
      ]
   },
   "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.

aggregateField

The only currently supported value is `eventTypeCategory`.

Type: String

Valid Values: `eventTypeCategory`

Required: Yes

filter

Values to narrow the results returned.

Type: EventFilter object

Required: No

maxResults

The maximum number of items to return in one batch, between 10 and 100, inclusive.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

Required: No

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Required: No

Response Syntax

```
{
   "eventAggregates": [
      {
         "aggregateValue": "string",
         "count": 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.

eventAggregates

The number of events in each category that meet the optional filter criteria.

Type: Array of EventAggregate objects

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Errors

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

InvalidPaginationToken

The specified pagination token (`nextToken`) is not valid.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

DescribeEventDetails

Returns detailed information about one or more specified events. Information includes standard event data (AWS Region, service, and so on, as returned by DescribeEvents), a detailed event description, and possible additional metadata that depends upon the nature of the event. Affected entities are not included. To retrieve the entities, use the DescribeAffectedEntities operation.

If a specified event can't be retrieved, an error message is returned for that event.

> **Note**
>
> This operation supports resource-level permissions. You can use this operation to allow or deny access to specific AWS Health events. For more information, see Resource- and action-based conditions in the *AWS Health User Guide*.

Request Syntax

```
{
   "eventArns": [ "string" ],
   "locale": "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.

eventArns

A list of event ARNs (unique identifiers). For example: `"arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-CDE456", "arn:aws:health:us-west-1::event/EBS/AWS_EBS_LOST_VOLUME/AWS_EBS_LOST_VOLUME_CHI789_JKL101"`

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: Yes

locale

The locale (language) to return information in. English (en) is the default and the only supported value at this time.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `.{2,256}`

Required: No

Response Syntax

```
{
   "failedSet": [
      {
         "errorMessage": "string",
         "errorName": "string",
         "eventArn": "string"
      }
   ],
   "successfulSet": [
      {
         "event": {
            "actionability": "string",
            "arn": "string",
            "availabilityZone": "string",
            "endTime": number,
            "eventScopeCode": "string",
            "eventTypeCategory": "string",
            "eventTypeCode": "string",
            "lastUpdatedTime": number,
            "personas": [ "string" ],
            "region": "string",
            "service": "string",
            "startTime": number,
            "statusCode": "string"
         },
```

```
         "eventDescription": {
            "latestDescription": "string"
         },
         "eventMetadata": {
            "string" : "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.

failedSet

Error messages for any events that could not be retrieved.

Type: Array of EventDetailsErrorItem objects

successfulSet

Information about the events that could be retrieved.

Type: Array of EventDetails objects

Errors

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

UnsupportedLocale

The specified locale is not supported.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeEventDetailsForOrganization

Returns detailed information about one or more specified events for one or more AWS accounts in your organization. This information includes standard event data (such as the AWS Region and service), an event description, and (depending on the event) possible metadata. This operation doesn't return affected entities, such as the resources related to the event. To return affected entities, use the DescribeAffectedEntitiesForOrganization operation.

> **Note**
>
> Before you can call this operation, you must first enable AWS Health to work with AWS Organizations. To do this, call the EnableHealthServiceAccessForOrganization operation from your organization's management account.

When you call the `DescribeEventDetailsForOrganization` operation, specify the `organizationEventDetailFilters` object in the request. Depending on the AWS Health event type, note the following differences:

- To return event details for a public event, you must specify a null value for the `awsAccountId` parameter. If you specify an account ID for a public event, AWS Health returns an error message because public events aren't specific to an account.
- To return event details for an event that is specific to an account in your organization, you must specify the `awsAccountId` parameter in the request. If you don't specify an account ID, AWS Health returns an error message because the event is specific to an account in your organization.

For more information, see Event.

> **Note**
>
> This operation doesn't support resource-level permissions. You can't use this operation to allow or deny access to specific AWS Health events. For more information, see Resource- and action-based conditions in the *AWS Health User Guide*.

Request Syntax

```
{
   "locale": "string",
   "organizationEventDetailFilters": [
      {
         "awsAccountId": "string",
         "eventArn": "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.

locale

The locale (language) to return information in. English (en) is the default and the only supported value at this time.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `.{2,256}`

Required: No

organizationEventDetailFilters

A set of JSON elements that includes the `awsAccountId` and the `eventArn`.

Type: Array of EventAccountFilter objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

Response Syntax

```
{
   "failedSet": [
      {
         "awsAccountId": "string",
         "errorMessage": "string",
         "errorName": "string",
         "eventArn": "string"
      }
   ],
   "successfulSet": [
      {
         "awsAccountId": "string",
         "event": {
            "actionability": "string",
            "arn": "string",
            "availabilityZone": "string",
            "endTime": number,
            "eventScopeCode": "string",
            "eventTypeCategory": "string",
            "eventTypeCode": "string",
            "lastUpdatedTime": number,
            "personas": [ "string" ],
            "region": "string",
            "service": "string",
            "startTime": number,
            "statusCode": "string"
         },
         "eventDescription": {
            "latestDescription": "string"
         },
         "eventMetadata": {
            "string" : "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.

failedSet

Error messages for any events that could not be retrieved.

Type: Array of OrganizationEventDetailsErrorItem objects

successfulSet

Information about the events that could be retrieved.

Type: Array of OrganizationEventDetails objects

Errors

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

UnsupportedLocale

The specified locale is not supported.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

DescribeEvents

Returns information about events that meet the specified filter criteria. Events are returned in a summary form and do not include the detailed description, any additional metadata that depends on the event type, or any affected resources. To retrieve that information, use the DescribeEventDetails and DescribeAffectedEntities operations.

If no filter criteria are specified, all events are returned. Results are sorted by `lastModifiedTime`, starting with the most recent event.

Note

- When you call the `DescribeEvents` operation and specify an entity for the `entityValues` parameter, AWS Health might return public events that aren't specific to that resource. For example, if you call `DescribeEvents` and specify an ID for an Amazon Elastic Compute Cloud (Amazon EC2) instance, AWS Health might return events that aren't specific to that resource or service. To get events that are specific to a service, use the `services` parameter in the `filter` object. For more information, see Event.
- This API operation uses pagination. Specify the `nextToken` parameter in the next request to return more results.

Request Syntax

```
{
   "filter": {
      "actionabilities": [ "string" ],
      "availabilityZones": [ "string" ],
      "endTimes": [
         {
            "from": number,
            "to": number
         }
      ],
      "entityArns": [ "string" ],
      "entityValues": [ "string" ],
      "eventArns": [ "string" ],
      "eventStatusCodes": [ "string" ],
      "eventTypeCategories": [ "string" ],
```

```
      "eventTypeCodes": [ "string" ],
      "lastUpdatedTimes": [
         {
            "from": number,
            "to": number
         }
      ],
      "personas": [ "string" ],
      "regions": [ "string" ],
      "services": [ "string" ],
      "startTimes": [
         {
            "from": number,
            "to": number
         }
      ],
      "tags": [
         {
            "string" : "string"
         }
      ]
   },
   "locale": "string",
   "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.

filter

Values to narrow the results returned.

Type: EventFilter object

Required: No

locale

The locale (language) to return information in. English (en) is the default and the only supported value at this time.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `.{2,256}`

Required: No

maxResults

The maximum number of items to return in one batch, between 1 and 100, inclusive.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Required: No

Response Syntax

```
{
   "events": [
```

```
      {
         "actionability": "string",
         "arn": "string",
         "availabilityZone": "string",
         "endTime": number,
         "eventScopeCode": "string",
         "eventTypeCategory": "string",
         "eventTypeCode": "string",
         "lastUpdatedTime": number,
         "personas": [ "string" ],
         "region": "string",
         "service": "string",
         "startTime": number,
         "statusCode": "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.

events

The events that match the specified filter criteria.

Type: Array of Event objects

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Errors

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

InvalidPaginationToken

The specified pagination token (`nextToken`) is not valid.

HTTP Status Code: 400

UnsupportedLocale

The specified locale is not supported.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeEventsForOrganization

Returns information about events across your organization in AWS Organizations. You can use the`filters` parameter to specify the events that you want to return. Events are returned in a summary form and don't include the affected accounts, detailed description, any additional metadata that depends on the event type, or any affected resources. To retrieve that information, use the following operations:

- DescribeAffectedAccountsForOrganization
- DescribeEventDetailsForOrganization
- DescribeAffectedEntitiesForOrganization

If you don't specify a `filter`, the `DescribeEventsForOrganizations` returns all events across your organization. Results are sorted by `lastModifiedTime`, starting with the most recent event.

For more information about the different types of AWS Health events, see Event.

Before you can call this operation, you must first enable AWS Health to work with AWS Organizations. To do this, call the EnableHealthServiceAccessForOrganization operation from your organization's management account.

> **Note**
>
> This API operation uses pagination. Specify the `nextToken` parameter in the next request to return more results.

Request Syntax

```
{
   "filter": {
      "actionabilities": [ "string" ],
      "awsAccountIds": [ "string" ],
      "endTime": {
         "from": number,
         "to": number
      },
      "entityArns": [ "string" ],
      "entityValues": [ "string" ],
```

```
      "eventStatusCodes": [ "string" ],
      "eventTypeCategories": [ "string" ],
      "eventTypeCodes": [ "string" ],
      "lastUpdatedTime": {
         "from": number,
         "to": number
      },
      "personas": [ "string" ],
      "regions": [ "string" ],
      "services": [ "string" ],
      "startTime": {
         "from": number,
         "to": number
      }
   },
   "locale": "string",
   "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.

filter

Values to narrow the results returned.

Type: OrganizationEventFilter object

Required: No

locale

The locale (language) to return information in. English (en) is the default and the only supported value at this time.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `.{2,256}`

Required: No

maxResults

The maximum number of items to return in one batch, between 1 and 100, inclusive.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Required: No

Response Syntax

```
{
   "events": [
      {
         "actionability": "string",
         "arn": "string",
         "endTime": number,
         "eventScopeCode": "string",
         "eventTypeCategory": "string",
         "eventTypeCode": "string",
         "lastUpdatedTime": number,
         "personas": [ "string" ],
         "region": "string",
         "service": "string",
         "startTime": number,
         "statusCode": "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.

events

The events that match the specified filter criteria.

Type: Array of OrganizationEvent objects

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Errors

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

InvalidPaginationToken

The specified pagination token (`nextToken`) is not valid.

HTTP Status Code: 400

UnsupportedLocale

The specified locale is not supported.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeEventTypes

Returns the event types that meet the specified filter criteria. You can use this API operation to find information about the AWS Health event, such as the category, AWS service, and event code. The metadata for each event appears in the EventType object.

If you don't specify a filter criteria, the API operation returns all event types, in no particular order.

> **Note**
>
> This API operation uses pagination. Specify the `nextToken` parameter in the next request to return more results.

Request Syntax

```
{
   "filter": {
      "actionabilities": [ "string" ],
      "eventTypeCategories": [ "string" ],
      "eventTypeCodes": [ "string" ],
      "personas": [ "string" ],
      "services": [ "string" ]
   },
   "locale": "string",
   "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.

filter

Values to narrow the results returned.

Type: EventTypeFilter object

Required: No

locale

The locale (language) to return information in. English (en) is the default and the only supported value at this time.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `.{2,256}`

Required: No

maxResults

The maximum number of items to return in one batch, between 10 and 100, inclusive.

> **Note**
>
> If you don't specify the `maxResults` parameter, this operation returns a maximum of 30 items by default.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

Required: No

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Required: No

Response Syntax

```
{
   "eventTypes": [
      {
         "actionability": "string",
         "category": "string",
         "code": "string",
         "personas": [ "string" ],
         "service": "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.

eventTypes

A list of event types that match the filter criteria. Event types have a category (`issue`, `accountNotification`, or `scheduledChange`), a service (for example, `EC2`, `RDS`, `DATAPIPELINE`, `BILLING`), and a code (in the format `AWS_`*`SERVICE_DESCRIPTION`* ; for example, `AWS_EC2_SYSTEM_MAINTENANCE_EVENT`).

Type: Array of EventType objects

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Errors

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

InvalidPaginationToken

The specified pagination token (`nextToken`) is not valid.

HTTP Status Code: 400

UnsupportedLocale

The specified locale is not supported.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeHealthServiceStatusForOrganization

This operation provides status information on enabling or disabling AWS Health to work with your organization. To call this operation, you must use the organization's management account.

Response Syntax

```
{
   "healthServiceAccessStatusForOrganization": "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.

healthServiceAccessStatusForOrganization

Information about the status of enabling or disabling the AWS Health organizational view feature in your organization.

Valid values are `ENABLED | DISABLED | PENDING`.

Type: String

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeServiceLifecycle

Returns lifecycle information for AWS services, including end-of-life dates, version recommendations, and lifecycle events.

Request Syntax

```
{
   "filter": {
      "service": "string"
   },
   "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.

filter

Values to narrow the results returned.

Type: ServiceLifecycleFilter object

Required: No

maxResults

The maximum number of items to return in one batch, between 1 and 20, inclusive.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue

the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "serviceLifecycles": [
      {
         "lifecycleEvents": [
            {
               "date": number,
               "description": "string",
               "impactRisks": [ "string" ],
               "lifecycleEventType": "string",
               "regions": [ "string" ]
            }
         ],
         "recommendedVersion": "string",
         "service": "string",
         "title": "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.

nextToken

If the results of a search are large, only a portion of the results are returned, and a `nextToken` pagination token is returned in the response. To retrieve the next batch of results, reissue the search request and include the returned token. When all results have been returned, the response does not contain a pagination token value.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 10000.

Pattern: `[a-zA-Z0-9=/+_.-]{4,10000}`

serviceLifecycles

The list of service lifecycle entries matching the filter criteria.

Type: Array of ServiceLifecycle objects

Errors

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

InvalidPaginationToken

The specified pagination token (`nextToken`) is not valid.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisableHealthServiceAccessForOrganization

Disables AWS Health from working with AWS Organizations. To call this operation, you must sign in to the organization's management account. For more information, see Aggregating AWS Health events in the *AWS Health User Guide*.

This operation doesn't remove the service-linked role from the management account in your organization. You must use the IAM console, API, or AWS Command Line Interface (AWS CLI) to remove the service-linked role. For more information, see Deleting a Service-Linked Role in the *IAM User Guide*.

> **Note**
>
> You can also disable the organizational feature by using the Organizations DisableAWSServiceAccess API operation. After you call this operation, AWS Health stops aggregating events for all other AWS accounts in your organization. If you call the AWS Health API operations for organizational view, AWS Health returns an error. AWS Health continues to aggregate health events for your AWS account.

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 Error Types.

ConcurrentModificationException

EnableHealthServiceAccessForOrganization is already in progress. Wait for the action to complete before trying again. To get the current status, use the DescribeHealthServiceStatusForOrganization operation.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

EnableHealthServiceAccessForOrganization

Enables AWS Health to work with AWS Organizations. You can use the organizational view feature to aggregate events from all AWS accounts in your organization in a centralized location.

This operation also creates a service-linked role for the management account in the organization.

Note

To call this operation, you must meet the following requirements:

- You must have a Business, Enterprise On-Ramp, or Enterprise Support plan from AWS Support to use the AWS Health API. If you call the AWS Health API from an AWS account that doesn't have a Business, Enterprise On-Ramp, or Enterprise Support plan, you receive a `SubscriptionRequiredException` error.
- You must have permission to call this operation from the organization's management account. For example IAM policies, see AWS Health identity-based policy examples.

If you don't have the required support plan, you can instead use the AWS Health console to enable the organizational view feature. For more information, see Aggregating AWS Health events in the *AWS Health User Guide*.

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 Error Types.

ConcurrentModificationException

EnableHealthServiceAccessForOrganization is already in progress. Wait for the action to complete before trying again. To get the current status, use the DescribeHealthServiceStatusForOrganization operation.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

Data Types

The AWS Health 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:

- AccountEntityAggregate
- AffectedEntity
- DateTimeRange
- EntityAccountFilter
- EntityAggregate
- EntityFilter
- Event
- EventAccountFilter
- EventAggregate
- EventDescription
- EventDetails
- EventDetailsErrorItem
- EventFilter
- EventType
- EventTypeFilter
- LifecycleEvent
- OrganizationAffectedEntitiesErrorItem
- OrganizationEntityAggregate
- OrganizationEvent
- OrganizationEventDetails

- OrganizationEventDetailsErrorItem
- OrganizationEventFilter
- ServiceLifecycle
- ServiceLifecycleFilter

AccountEntityAggregate

The number of entities in an account that are impacted by a specific event aggregated by the entity status codes.

Contents

accountId

The 12-digit AWS account numbers that contains the affected entities.

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: No

count

The number of entities that match the filter criteria for the specified events.

Type: Integer

Required: No

statuses

The number of affected entities aggregated by the entity status codes.

Type: String to integer map

Valid Keys: `IMPAIRED | UNIMPAIRED | UNKNOWN | PENDING | RESOLVED`

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 Java V2
- AWS SDK for Ruby V3

AffectedEntity

Information about an entity that is affected by a Health event.

Contents

awsAccountId

The 12-digit AWS account number that contains the affected entity.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\S+$

Required: No

entityArn

The unique identifier for the entity. Format: `arn:aws:health:`*`entity-region`*`:`*`aws-account`*`:entity/`*`entity-id`* . Example: `arn:aws:health:us-east-1:111222333444:entity/AVh5GGT7ul1arKr1sE1K`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `.{0,1600}`

Required: No

entityMetadata

Additional metadata about the affected entity.

Type: String to string map

Key Length Constraints: Maximum length of 1024.

Value Length Constraints: Maximum length of 1024.

Required: No

entityUrl

The URL of the affected entity.

Type: String

Required: No

entityValue

The ID of the affected entity.

Type: String

Length Constraints: Maximum length of 1224.

Pattern: `.{0,1224}`

Required: No

eventArn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: No

lastUpdatedTime

The most recent time that the entity was updated.

Type: Timestamp

Required: No

statusCode

The most recent status of the entity affected by the event. The possible values are `IMPAIRED`, `UNIMPAIRED`, `UNKNOWN`, `PENDING`, and `RESOLVED`.

Type: String

Valid Values: `IMPAIRED | UNIMPAIRED | UNKNOWN | PENDING | RESOLVED`

Required: No

tags

A map of entity tags attached to the affected entity.

> **Note**
>
> Currently, the `tags` property isn't supported.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Maximum length of 127.

Key Pattern: `.{0,127}`

Value Length Constraints: Maximum length of 255.

Value Pattern: `.{0,255}`

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 Java V2

- AWS SDK for Ruby V3

DateTimeRange

A range of dates and times that is used by the EventFilter and EntityFilter objects. If `from` is set and `to` is set: match items where the timestamp (`startTime`, `endTime`, or `lastUpdatedTime`) is between `from` and `to` inclusive. If `from` is set and `to` is not set: match items where the timestamp value is equal to or after `from`. If `from` is not set and `to` is set: match items where the timestamp value is equal to or before `to`.

Contents

from

The starting date and time of a time range.

Type: Timestamp

Required: No

to

The ending date and time of a time range.

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 Java V2
- AWS SDK for Ruby V3

EntityAccountFilter

A JSON set of elements including the `awsAccountId`, `eventArn` and a set of `statusCodes`.

Contents

eventArn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: Yes

awsAccountId

The 12-digit AWS account numbers that contains the affected entities.

Type: String

Length Constraints: Maximum length of 12.

Pattern: `^\S+$`

Required: No

statusCodes

A list of entity status codes.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Valid Values: `IMPAIRED | UNIMPAIRED | UNKNOWN | PENDING | RESOLVED`

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 Java V2
- AWS SDK for Ruby V3

EntityAggregate

The number of entities that are affected by one or more events. Returned by the DescribeEntityAggregates operation.

Contents

count

The number of entities that match the criteria for the specified events.

Type: Integer

Required: No

eventArn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: No

statuses

The number of affected entities aggregated by the entity status codes.

Type: String to integer map

Valid Keys: `IMPAIRED | UNIMPAIRED | UNKNOWN | PENDING | RESOLVED`

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 Java V2
- AWS SDK for Ruby V3

EntityFilter

The values to use to filter results from the DescribeAffectedEntities operation.

Contents

eventArns

A list of event ARNs (unique identifiers). For example: `"arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-CDE456", "arn:aws:health:us-west-1::event/EBS/AWS_EBS_LOST_VOLUME/AWS_EBS_LOST_VOLUME_CHI789_JKL101"`

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: Yes

entityArns

A list of entity ARNs (unique identifiers).

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 99 items.

Length Constraints: Maximum length of 1600.

Pattern: `.{0,1600}`

Required: No

entityValues

A list of IDs for affected entities.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 99 items.

Length Constraints: Maximum length of 1224.

Pattern: `.{0,1224}`

Required: No

lastUpdatedTimes

A list of the most recent dates and times that the entity was updated.

Type: Array of DateTimeRange objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

statusCodes

A list of entity status codes (`IMPAIRED`, `UNIMPAIRED`, or `UNKNOWN`).

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Valid Values: `IMPAIRED | UNIMPAIRED | UNKNOWN | PENDING | RESOLVED`

Required: No

tags

A map of entity tags attached to the affected entity.

> **Note**
>
> Currently, the `tags` property isn't supported.

Type: Array of string to string maps

Array Members: Maximum number of 50 items.

Map Entries: Maximum number of 50 items.

Key Length Constraints: Maximum length of 127.

Key Pattern: `.{0,127}`

Value Length Constraints: Maximum length of 255.

Value Pattern: `.{0,255}`

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 Java V2
- AWS SDK for Ruby V3

Event

Summary information about an AWS Health event.

AWS Health events can be public or account-specific:

- *Public events* might be service events that are not specific to an AWS account. For example, if there is an issue with an AWS Region, AWS Health provides information about the event, even if you don't use services or resources in that Region.
- *Account-specific* events are specific to either your AWS account or an account in your organization. For example, if there's an issue with Amazon Elastic Compute Cloud in a Region that you use, AWS Health provides information about the event and the affected resources in the account.

You can determine if an event is public or account-specific by using the `eventScopeCode` parameter. For more information, see eventScopeCode.

Contents

actionability

The actionability classification of the event. Possible values are `ACTION_REQUIRED`, `ACTION_MAY_BE_REQUIRED` and `INFORMATIONAL`. Events with `ACTION_REQUIRED` actionability require customer action to resolve or mitigate the event. Events with `ACTION_MAY_BE_REQUIRED` actionability indicates that the current status is unknown or conditional and inspection is needed to determine if action is required. Events with `INFORMATIONAL` actionability are provided for awareness and do not require immediate action.

Type: String

Valid Values: `ACTION_REQUIRED | ACTION_MAY_BE_REQUIRED | INFORMATIONAL`

Required: No

arn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: No

availabilityZone

The AWS Availability Zone of the event. For example, us-east-1a.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 18.

Pattern: `[a-z]{2,4}\-[0-9a-z\-]{4,16}`

Required: No

endTime

The date and time that the event ended.

Type: Timestamp

Required: No

eventScopeCode

This parameter specifies if the AWS Health event is a public AWS service event or an account-specific event.

- If the `eventScopeCode` value is `PUBLIC`, then the `affectedAccounts` value is always empty.
- If the `eventScopeCode` value is `ACCOUNT_SPECIFIC`, then the `affectedAccounts` value lists the affected AWS accounts in your organization. For example, if an event affects a service such as Amazon Elastic Compute Cloud and you have AWS accounts that use that service, those account IDs appear in the response.
- If the `eventScopeCode` value is `NONE`, then the `eventArn` that you specified in the request is invalid or doesn't exist.

Type: String

Valid Values: `PUBLIC | ACCOUNT_SPECIFIC | NONE`

Required: No

eventTypeCategory

A list of event type category codes. Possible values are `issue`, `accountNotification`, or `scheduledChange`. Currently, the `investigation` value isn't supported at this time.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Valid Values: `issue | accountNotification | scheduledChange | investigation`

Required: No

eventTypeCode

The unique identifier for the event type. The format is `AWS_`*`SERVICE_DESCRIPTION`* ; for example, `AWS_EC2_SYSTEM_MAINTENANCE_EVENT`.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 100.

Pattern: `[a-zA-Z0-9\_\-]{3,100}`

Required: No

lastUpdatedTime

The most recent date and time that the event was updated.

Type: Timestamp

Required: No

personas

A list of persona classifications that indicate the target audience for the event. Possible values are `OPERATIONS`, `SECURITY`, and `BILLING`. Events can be associated with multiple personas to indicate relevance to different teams or roles within an organization.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `OPERATIONS | SECURITY | BILLING`

Required: No

region

The AWS Region name of the event.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 25.

Pattern: `[^:/]{2,25}`

Required: No

service

The AWS service that is affected by the event. For example, `EC2`, `RDS`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 30.

Pattern: `[^:/]{2,30}`

Required: No

startTime

The date and time that the event began.

Type: Timestamp

Required: No

statusCode

The most recent status of the event. Possible values are `open`, `closed`, and `upcoming`.

Type: String

Valid Values: `open | closed | upcoming`

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 Java V2
- AWS SDK for Ruby V3

EventAccountFilter

The values used to filter results from the DescribeEventDetailsForOrganization and DescribeAffectedEntitiesForOrganization operations.

Contents

eventArn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: Yes

awsAccountId

The 12-digit AWS account numbers that contains the affected entities.

Type: String

Length Constraints: Maximum length of 12.

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 Java V2
- AWS SDK for Ruby V3

EventAggregate

The number of events of each issue type. Returned by the DescribeEventAggregates operation.

Contents

aggregateValue

The issue type for the associated count.

Type: String

Required: No

count

The number of events of the associated issue type.

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 Java V2
- AWS SDK for Ruby V3

EventDescription

The detailed description of the event. Included in the information returned by the DescribeEventDetails operation.

Contents

latestDescription

The most recent description of the event.

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 Java V2
- AWS SDK for Ruby V3

EventDetails

Detailed information about an event. A combination of an Event object, an EventDescription object, and additional metadata about the event. Returned by the DescribeEventDetails operation.

Contents

event

Summary information about the event.

Type: Event object

Required: No

eventDescription

The most recent description of the event.

Type: EventDescription object

Required: No

eventMetadata

Additional metadata about the event.

Type: String to string map

Key Length Constraints: Maximum length of 32766.

Value Length Constraints: Maximum length of 32766.

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 Java V2

- AWS SDK for Ruby V3

EventDetailsErrorItem

Error information returned when a DescribeEventDetails operation can't find a specified event.

Contents

errorMessage

A message that describes the error.

Type: String

Required: No

errorName

The name of the error.

Type: String

Required: No

eventArn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

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 Java V2
- AWS SDK for Ruby V3

EventFilter

The values to use to filter results from the DescribeEvents and DescribeEventAggregates operations.

Contents

actionabilities

A list of actionability values to filter events. Use this to filter events based on whether they require action (`ACTION_REQUIRED`), may require action (`ACTION_MAY_BE_REQUIRED`) or are informational (`INFORMATIONAL`).

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `ACTION_REQUIRED | ACTION_MAY_BE_REQUIRED | INFORMATIONAL`

Required: No

availabilityZones

A list of AWS Availability Zones.

Type: Array of strings

Length Constraints: Minimum length of 6. Maximum length of 18.

Pattern: `[a-z]{2,4}\-[0-9a-z\-]{4,16}`

Required: No

endTimes

A list of dates and times that the event ended.

Type: Array of DateTimeRange objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

entityArns

A list of entity ARNs (unique identifiers).

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 99 items.

Length Constraints: Maximum length of 1600.

Pattern: `.{0,1600}`

Required: No

entityValues

A list of entity identifiers, such as EC2 instance IDs (`i-34ab692e`) or EBS volumes (`vol-426ab23e`).

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 99 items.

Length Constraints: Maximum length of 1224.

Pattern: `.{0,1224}`

Required: No

eventArns

A list of event ARNs (unique identifiers). For example: `"arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-CDE456", "arn:aws:health:us-west-1::event/EBS/AWS_EBS_LOST_VOLUME/AWS_EBS_LOST_VOLUME_CHI789_JKL101"`

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: No

eventStatusCodes

A list of event status codes.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Valid Values: `open | closed | upcoming`

Required: No

eventTypeCategories

A list of event type category codes. Possible values are `issue`, `accountNotification`, or `scheduledChange`. Currently, the `investigation` value isn't supported at this time.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 3. Maximum length of 255.

Valid Values: `issue | accountNotification | scheduledChange | investigation`

Required: No

eventTypeCodes

A list of unique identifiers for event types. For example, `"AWS_EC2_SYSTEM_MAINTENANCE_EVENT","AWS_RDS_MAINTENANCE_SCHEDULED".`

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 3. Maximum length of 100.

Pattern: `[^:/]{3,100}`

Required: No

lastUpdatedTimes

A list of dates and times that the event was last updated.

Type: Array of DateTimeRange objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

personas

A list of persona values to filter events. Use this to filter events based on their target audience: `OPERATIONS`, `SECURITY`, or `BILLING`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `OPERATIONS | SECURITY | BILLING`

Required: No

regions

A list of AWS Regions.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 2. Maximum length of 25.

Pattern: `[^:/]{2,25}`

Required: No

services

The AWS services associated with the event. For example, `EC2`, `RDS`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 2. Maximum length of 30.

Pattern: `[^:/]{2,30}`

Required: No

startTimes

A list of dates and times that the event began.

Type: Array of DateTimeRange objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

tags

A map of entity tags attached to the affected entity.

> **Note**
>
> Currently, the `tags` property isn't supported.

Type: Array of string to string maps

Array Members: Maximum number of 50 items.

Map Entries: Maximum number of 50 items.

Key Length Constraints: Maximum length of 127.

Key Pattern: `.{0,127}`

Value Length Constraints: Maximum length of 255.

Value Pattern: `.{0,255}`

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 Java V2

- AWS SDK for Ruby V3

EventType

Contains the metadata about a type of event that is reported by AWS Health. The `EventType` shows the category, service, and the event type code of the event. For example, an `issue` might be the category, `EC2` the service, and `AWS_EC2_SYSTEM_MAINTENANCE_EVENT` the event type code.

You can use the DescribeEventTypes API operation to return this information about an event.

You can also use the Amazon CloudWatch Events console to create a rule so that you can get notified or take action when AWS Health delivers a specific event to your AWS account. For more information, see Monitor for AWS Health events with Amazon CloudWatch Events in the *AWS Health User Guide*.

Contents

actionability

The actionability classification of the event. Possible values are `ACTION_REQUIRED`, `ACTION_MAY_BE_REQUIRED` and `INFORMATIONAL`. Events with `ACTION_REQUIRED` actionability require customer action to resolve or mitigate the event. Events with `ACTION_MAY_BE_REQUIRED` actionability indicates that the current status is unknown or conditional and inspection is needed to determine if action is required. Events with `INFORMATIONAL` actionability are provided for awareness and do not require immediate action.

Type: String

Valid Values: `ACTION_REQUIRED | ACTION_MAY_BE_REQUIRED | INFORMATIONAL`

Required: No

category

A list of event type category codes. Possible values are `issue`, `accountNotification`, or `scheduledChange`. Currently, the `investigation` value isn't supported at this time.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Valid Values: `issue | accountNotification | scheduledChange | investigation`

Required: No

code

The unique identifier for the event type. The format is `AWS_`*`SERVICE_DESCRIPTION`* ; for example, `AWS_EC2_SYSTEM_MAINTENANCE_EVENT`.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 100.

Pattern: `[a-zA-Z0-9\_\-]{3,100}`

Required: No

personas

A list of persona classifications that indicate the target audience for the event. Possible values are `OPERATIONS`, `SECURITY`, and `BILLING`. Events can be associated with multiple personas to indicate relevance to different teams or roles within an organization.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `OPERATIONS | SECURITY | BILLING`

Required: No

service

The AWS service that is affected by the event. For example, `EC2`, `RDS`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 30.

Pattern: `[^:/]{2,30}`

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 Java V2
- AWS SDK for Ruby V3

EventTypeFilter

The values to use to filter results from the DescribeEventTypes operation.

Contents

actionabilities

A list of actionability values to filter event types. Possible values are `ACTION_REQUIRED`, `ACTION_MAY_BE_REQUIRED` and `INFORMATIONAL`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `ACTION_REQUIRED | ACTION_MAY_BE_REQUIRED | INFORMATIONAL`

Required: No

eventTypeCategories

A list of event type category codes. Possible values are `issue`, `accountNotification`, or `scheduledChange`. Currently, the `investigation` value isn't supported at this time.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 3. Maximum length of 255.

Valid Values: `issue | accountNotification | scheduledChange | investigation`

Required: No

eventTypeCodes

A list of event type codes.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 3. Maximum length of 100.

Pattern: `[a-zA-Z0-9\_\-]{3,100}`

Required: No

personas

A list of persona classifications to filter event types. Possible values are `OPERATIONS`, `SECURITY`, and `BILLING`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `OPERATIONS | SECURITY | BILLING`

Required: No

services

The AWS services associated with the event. For example, `EC2`, `RDS`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 2. Maximum length of 30.

Pattern: `[^:/]{2,30}`

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 Java V2
- AWS SDK for Ruby V3

LifecycleEvent

A lifecycle event for an AWS service version, such as end-of-support or end-of-life.

Contents

date

The date of the lifecycle event.

Type: Timestamp

Required: No

description

A description of the lifecycle event.

Type: String

Required: No

impactRisks

The potential impact risks associated with this lifecycle event.

Type: Array of strings

Required: No

lifecycleEventType

The type of lifecycle event (for example, end-of-support, end-of-life).

Type: String

Required: No

regions

The AWS Regions affected by this lifecycle event.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 2. Maximum length of 25.

Pattern: `[^:/]{2,25}`

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 Java V2
- AWS SDK for Ruby V3

OrganizationAffectedEntitiesErrorItem

Error information returned when a DescribeAffectedEntitiesForOrganization operation can't find or process a specific entity.

Contents

awsAccountId

The 12-digit AWS account numbers that contains the affected entities.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\S+$

Required: No

errorMessage

A message that describes the error. Follow the error message and retry your request.

For example, the `InvalidAccountInputError` error message appears if you call the `DescribeAffectedEntitiesForOrganization` operation and specify the `AccountSpecific` value for the `EventScopeCode` parameter, but don't specify an AWS account.

Type: String

Required: No

errorName

The name of the error.

Type: String

Required: No

eventArn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

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 Java V2
- AWS SDK for Ruby V3

OrganizationEntityAggregate

The aggregate results of entities affected by the specified event in your organization. The results are aggregated by the entity status codes for the specified set of accountsIDs.

Contents

accounts

A list of entity aggregates for each of the specified accounts in your organization that are affected by a specific event. If there are no `awsAccountIds` provided in the request, this field will be empty in the response.

Type: Array of AccountEntityAggregate objects

Required: No

count

The number of entities for the organization that match the filter criteria for the specified events.

Type: Integer

Required: No

eventArn

A list of event ARNs (unique identifiers). For example: `"arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-CDE456", "arn:aws:health:us-west-1::event/EBS/AWS_EBS_LOST_VOLUME/AWS_EBS_LOST_VOLUME_CHI789_JKL101"`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

Required: No

statuses

The number of affected entities aggregated by the entitiy status codes.

Type: String to integer map

Valid Keys: `IMPAIRED | UNIMPAIRED | UNKNOWN | PENDING | RESOLVED`

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 Java V2
- AWS SDK for Ruby V3

OrganizationEvent

Summary information about an event, returned by the DescribeEventsForOrganization operation.

Contents

actionability

The actionability classification of the event. Possible values are ACTION_REQUIRED, ACTION_MAY_BE_REQUIRED and INFORMATIONAL. Events with ACTION_REQUIRED actionability require customer action to resolve or mitigate the event. Events with ACTION_MAY_BE_REQUIRED actionability indicates that the current status is unknown or conditional and inspection is needed to determine if action is required. Events with INFORMATIONAL actionability are provided for awareness and do not require immediate action.

Type: String

Valid Values: ACTION_REQUIRED | ACTION_MAY_BE_REQUIRED | INFORMATIONAL

Required: No

arn

The unique identifier for the event. The event ARN has the arn:aws:health:*event-region*::event/*SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID* format.

For example, an event ARN might look like the following:

arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456

Type: String

Length Constraints: Maximum length of 1600.

Pattern: arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}

Required: No

endTime

The date and time that the event ended.

Type: Timestamp

Required: No

eventScopeCode

This parameter specifies if the AWS Health event is a public AWS service event or an account-specific event.

- If the `eventScopeCode` value is `PUBLIC`, then the `affectedAccounts` value is always empty.
- If the `eventScopeCode` value is `ACCOUNT_SPECIFIC`, then the `affectedAccounts` value lists the affected AWS accounts in your organization. For example, if an event affects a service such as Amazon Elastic Compute Cloud and you have AWS accounts that use that service, those account IDs appear in the response.
- If the `eventScopeCode` value is `NONE`, then the `eventArn` that you specified in the request is invalid or doesn't exist.

Type: String

Valid Values: `PUBLIC | ACCOUNT_SPECIFIC | NONE`

Required: No

eventTypeCategory

A list of event type category codes. Possible values are `issue`, `accountNotification`, or `scheduledChange`. Currently, the `investigation` value isn't supported at this time.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Valid Values: `issue | accountNotification | scheduledChange | investigation`

Required: No

eventTypeCode

The unique identifier for the event type. The format is `AWS_SERVICE_DESCRIPTION`. For example, `AWS_EC2_SYSTEM_MAINTENANCE_EVENT`.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 100.

Pattern: `[a-zA-Z0-9\_\-]{3,100}`

Required: No

lastUpdatedTime

The most recent date and time that the event was updated.

Type: Timestamp

Required: No

personas

A list of persona classifications that indicate the target audience for the event. Possible values are `OPERATIONS`, `SECURITY`, and `BILLING`. Events can be associated with multiple personas to indicate relevance to different teams or roles within an organization.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `OPERATIONS | SECURITY | BILLING`

Required: No

region

The AWS Region name of the event.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 25.

Pattern: `[^:/]{2,25}`

Required: No

service

The AWS service that is affected by the event, such as EC2 and RDS.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 30.

Pattern: `[^:/]{2,30}`

Required: No

startTime

The date and time that the event began.

Type: Timestamp

Required: No

statusCode

The most recent status of the event. Possible values are `open`, `closed`, and `upcoming`.

Type: String

Valid Values: `open | closed | upcoming`

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 Java V2
- AWS SDK for Ruby V3

OrganizationEventDetails

Detailed information about an event. A combination of an Event object, an EventDescription object, and additional metadata about the event. Returned by the DescribeEventDetailsForOrganization operation.

Contents

awsAccountId

The 12-digit AWS account numbers that contains the affected entities.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\S+$

Required: No

event

Summary information about an AWS Health event.

AWS Health events can be public or account-specific:

- *Public events* might be service events that are not specific to an AWS account. For example, if there is an issue with an AWS Region, AWS Health provides information about the event, even if you don't use services or resources in that Region.
- *Account-specific* events are specific to either your AWS account or an account in your organization. For example, if there's an issue with Amazon Elastic Compute Cloud in a Region that you use, AWS Health provides information about the event and the affected resources in the account.

You can determine if an event is public or account-specific by using the `eventScopeCode` parameter. For more information, see eventScopeCode.

Type: Event object

Required: No

eventDescription

The detailed description of the event. Included in the information returned by the DescribeEventDetails operation.

Type: EventDescription object

Required: No

eventMetadata

Additional metadata about the event.

Type: String to string map

Key Length Constraints: Maximum length of 32766.

Value Length Constraints: Maximum length of 32766.

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 Java V2
- AWS SDK for Ruby V3

OrganizationEventDetailsErrorItem

Error information returned when a DescribeEventDetailsForOrganization operation can't find a specified event.

Contents

awsAccountId

Error information returned when a DescribeEventDetailsForOrganization operation can't find a specified event.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\S+$

Required: No

errorMessage

A message that describes the error.

If you call the `DescribeEventDetailsForOrganization` operation and receive one of the following errors, follow the recommendations in the message:

- We couldn't find a public event that matches your request. To find an event that is account specific, you must enter an AWS account ID in the request.
- We couldn't find an account specific event for the specified AWS account. To find an event that is public, you must enter a null value for the AWS account ID in the request.
- Your AWS account doesn't include the AWS Support plan required to use the AWS Health API. You must have either a Business, Enterprise On-Ramp, or Enterprise Support plan.

Type: String

Required: No

errorName

The name of the error.

Type: String

Required: No

eventArn

The unique identifier for the event. The event ARN has the `arn:aws:health:`*`event-region`*`::event/`*`SERVICE/EVENT_TYPE_CODE/EVENT_TYPE_PLUS_ID`* format.

For example, an event ARN might look like the following:

`arn:aws:health:us-east-1::event/EC2/EC2_INSTANCE_RETIREMENT_SCHEDULED/EC2_INSTANCE_RETIREMENT_SCHEDULED_ABC123-DEF456`

Type: String

Length Constraints: Maximum length of 1600.

Pattern: `arn:aws(-[a-z]+(-[a-z]+)?)?:health:[^:]*:[^:]*:event(?:/[\w-]+){3}`

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 Java V2
- AWS SDK for Ruby V3

OrganizationEventFilter

The values to filter results from the DescribeEventsForOrganization operation.

Contents

actionabilities

A list of actionability values to filter events. Use this to filter events based on whether they require action (`ACTION_REQUIRED`), may require action (`ACTION_MAY_BE_REQUIRED`) or are informational (`INFORMATIONAL`).

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `ACTION_REQUIRED | ACTION_MAY_BE_REQUIRED | INFORMATIONAL`

Required: No

awsAccountIds

A list of 12-digit AWS account numbers that contains the affected entities.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Maximum length of 12.

Pattern: ^\S+$

Required: No

endTime

A range of dates and times that is used by the EventFilter and EntityFilter objects. If `from` is set and `to` is set: match items where the timestamp (`startTime`, `endTime`, or `lastUpdatedTime`) is between `from` and `to` inclusive. If `from` is set and `to` is not set: match items where the timestamp value is equal to or after `from`. If `from` is not set and `to` is set: match items where the timestamp value is equal to or before `to`.

Type: DateTimeRange object

Required: No

entityArns

A list of entity ARNs (unique identifiers).

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 99 items.

Length Constraints: Maximum length of 1600.

Pattern: `.{0,1600}`

Required: No

entityValues

A list of entity identifiers, such as EC2 instance IDs (i-34ab692e) or EBS volumes (vol-426ab23e).

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 99 items.

Length Constraints: Maximum length of 1224.

Pattern: `.{0,1224}`

Required: No

eventStatusCodes

A list of event status codes.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Valid Values: `open | closed | upcoming`

Required: No

eventTypeCategories

A list of event type category codes. Possible values are `issue`, `accountNotification`, or `scheduledChange`. Currently, the `investigation` value isn't supported at this time.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 3. Maximum length of 255.

Valid Values: `issue | accountNotification | scheduledChange | investigation`

Required: No

eventTypeCodes

A list of unique identifiers for event types. For example, `"AWS_EC2_SYSTEM_MAINTENANCE_EVENT","AWS_RDS_MAINTENANCE_SCHEDULED".`

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 3. Maximum length of 100.

Pattern: `[^:/]{3,100}`

Required: No

lastUpdatedTime

A range of dates and times that is used by the EventFilter and EntityFilter objects. If `from` is set and `to` is set: match items where the timestamp (`startTime`, `endTime`, or `lastUpdatedTime`) is between `from` and `to` inclusive. If `from` is set and `to` is not set: match items where the timestamp value is equal to or after `from`. If `from` is not set and `to` is set: match items where the timestamp value is equal to or before `to`.

Type: DateTimeRange object

Required: No

personas

A list of persona values to filter events. Use this to filter events based on their target audience: `OPERATIONS`, `SECURITY`, or `BILLING`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `OPERATIONS | SECURITY | BILLING`

Required: No

regions

A list of AWS Regions.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 2. Maximum length of 25.

Pattern: `[^:/]{2,25}`

Required: No

services

The AWS services associated with the event. For example, `EC2`, `RDS`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 2. Maximum length of 30.

Pattern: `[^:/]{2,30}`

Required: No

startTime

A range of dates and times that is used by the EventFilter and EntityFilter objects. If `from` is set and `to` is set: match items where the timestamp (`startTime`, `endTime`, or `lastUpdatedTime`) is between `from` and `to` inclusive. If `from` is set and `to` is not set: match items where the timestamp value is equal to or after `from`. If `from` is not set and `to` is set: match items where the timestamp value is equal to or before `to`.

Type: DateTimeRange 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 Java V2
- AWS SDK for Ruby V3

ServiceLifecycle

Contains lifecycle information for an AWS service version, including lifecycle events and version recommendations.

Contents

lifecycleEvents

The list of lifecycle events for this service version.

Type: Array of LifecycleEvent objects

Required: No

recommendedVersion

The recommended version to upgrade to.

Type: String

Required: No

service

The name of the AWS service.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 30.

Pattern: `[^:/]{2,30}`

Required: No

title

A human-readable title for the lifecycle entry.

Type: String

Required: No

version

The version of the service.

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 Java V2
- AWS SDK for Ruby V3

ServiceLifecycleFilter

A filter for narrowing down service lifecycle results.

Contents

service

The AWS service name to filter by.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 30.

Pattern: `[^:/]{2,30}`

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 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*.

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 Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400