



API reference

Amazon Bedrock AgentCore Control Plane



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Amazon Bedrock AgentCore Control Plane: API reference

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Welcome

Note

is in preview release and is subject to change.

Welcome to the Amazon Bedrock AgentCore Control plane API reference. Control plane actions configure, create, modify, and monitor AWS resources.

This document was last published on September 4, 2025.

Actions

The following actions are supported:

- [CreateAgentRuntime](#)
- [CreateAgentRuntimeEndpoint](#)
- [CreateApiKeyCredentialProvider](#)
- [CreateBrowser](#)
- [CreateCodeInterpreter](#)
- [CreateGateway](#)
- [CreateGatewayTarget](#)
- [CreateMemory](#)
- [CreateOauth2CredentialProvider](#)
- [CreateWorkloadIdentity](#)
- [DeleteAgentRuntime](#)
- [DeleteAgentRuntimeEndpoint](#)
- [DeleteApiKeyCredentialProvider](#)
- [DeleteBrowser](#)
- [DeleteCodeInterpreter](#)
- [DeleteGateway](#)
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- [DeleteOauth2CredentialProvider](#)
- [DeleteWorkloadIdentity](#)
- [GetAgentRuntime](#)
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- [GetApiKeyCredentialProvider](#)
- [GetBrowser](#)
- [GetCodeInterpreter](#)
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- [GetMemory](#)
- [GetOauth2CredentialProvider](#)
- [GetTokenVault](#)
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- [ListAgentRuntimeEndpoints](#)
- [ListAgentRuntimes](#)
- [ListAgentRuntimeVersions](#)
- [ListApiKeyCredentialProviders](#)
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- [ListCodeInterpreters](#)
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- [ListOauth2CredentialProviders](#)
- [ListWorkloadIdentities](#)
- [SetTokenVaultCMK](#)
- [UpdateAgentRuntime](#)
- [UpdateAgentRuntimeEndpoint](#)
- [UpdateApiKeyCredentialProvider](#)
- [UpdateGateway](#)
- [UpdateGatewayTarget](#)
- [UpdateMemory](#)
- [UpdateOauth2CredentialProvider](#)
- [UpdateWorkloadIdentity](#)

CreateAgentRuntime

Creates an Amazon Bedrock AgentCore Runtime.

Request Syntax

```
PUT /runtimes/ HTTP/1.1
Content-type: application/json

{
  "agentRuntimeArtifact": { ... },
  "agentRuntimeName": "string",
  "authorizerConfiguration": { ... },
  "clientToken": "string",
  "description": "string",
  "environmentVariables": {
    "string" : "string"
  },
  "networkConfiguration": {
    "networkMode": "string"
  },
  "protocolConfiguration": {
    "serverProtocol": "string"
  },
  "roleArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

agentRuntimeArtifact

The artifact of the AgentCore Runtime.

Type: [AgentArtifact](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

agentRuntimeName

The name of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

authorizerConfiguration

The authorizer configuration for the AgentCore Runtime.

Type: [AuthorizerConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

environmentVariables

Environment variables to set in the AgentCore Runtime environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

Required: No

networkConfiguration

The network configuration for the AgentCore Runtime.

Type: [NetworkConfiguration](#) object

Required: Yes

protocolConfiguration

The protocol configuration for an agent runtime. This structure defines how the agent runtime communicates with clients.

Type: [ProtocolConfiguration](#) object

Required: No

roleArn

The IAM role ARN that provides permissions for the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^\:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json
```

```
{
  "agentRuntimeArn": "string",
  "agentRuntimeId": "string",
  "agentRuntimeVersion": "string",
  "createdAt": "string",
  "status": "string",
  "workloadIdentityDetails": {
    "workloadIdentityArn": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

[agentRuntimeArn](#)

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agent/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}:([0-9]{0,4}[1-9][0-9]{0,4})`

[agentRuntimeId](#)

The unique identifier of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

[agentRuntimeVersion](#)

The version of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

createdAt

The timestamp when the AgentCore Runtime was created.

Type: Timestamp

status

The current status of the AgentCore Runtime.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

workloadIdentityDetails

The workload identity details for the AgentCore Runtime.

Type: [WorkloadIdentityDetails](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

CreateAgentRuntimeEndpoint

Creates an AgentCore Runtime endpoint.

Request Syntax

```
PUT /runtimes/agentRuntimeId/runtime-endpoints/ HTTP/1.1
Content-type: application/json
```

```
{
  "agentRuntimeVersion": "string",
  "clientToken": "string",
  "description": "string",
  "name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to create an endpoint for.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

agentRuntimeVersion

The version of the AgentCore Runtime to use for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the AgentCore Runtime endpoint.

Type: String

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

Required: No

name

The name of the AgentCore Runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "agentRuntimeArn": "string",
  "agentRuntimeEndpointArn": "string",
  "createdAt": "string",
  "status": "string",
```

```
"targetVersion": "string"  
}
```

Response Elements

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

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

[agentRuntimeArn](#)

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:(-[:^:]+):bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agent/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}:([0-9]{0,4}[1-9][0-9]{0,4})`

[agentRuntimeEndpointArn](#)

The Amazon Resource Name (ARN) of the AgentCore Runtime endpoint.

Type: String

Pattern: `arn:(-[:^:]+):bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agentEndpoint/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

[createdAt](#)

The timestamp when the AgentCore Runtime endpoint was created.

Type: Timestamp

[status](#)

The current status of the AgentCore Runtime endpoint.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

targetVersion

The target version of the AgentCore Runtime for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: ([1-9][0-9]{0,4})

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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- [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](#)
- [AWS SDK for Ruby V3](#)

CreateApiKeyCredentialProvider

Creates a new API key credential provider.

Request Syntax

```
POST /identities/CreateApiKeyCredentialProvider HTTP/1.1
Content-type: application/json

{
  "apiKey": "string",
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiKey

The API key to use for authentication. This value is encrypted and stored securely.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 65536.

Required: Yes

name

The name of the API key credential provider. The name must be unique within your account.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "apiKeySecretArn": {
    "secretArn": "string"
  },
  "credentialProviderArn": "string",
  "name": "string"
}
```

Response Elements

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

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

[apiKeySecretArn](#)

The Amazon Resource Name (ARN) of the secret containing the API key.

Type: [Secret](#) object

[credentialProviderArn](#)

The Amazon Resource Name (ARN) of the created API key credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-\.]+/apikeycredentialprovider/[a-zA-Z0-9-\.]+`

[name](#)

The name of the created API key credential provider.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceLimitExceededException

Exception thrown when a resource limit is exceeded.

HTTP Status Code: 400

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

CreateBrowser

Creates a custom browser.

Request Syntax

```
PUT /browsers HTTP/1.1
Content-type: application/json

{
  "clientToken": "string",
  "description": "string",
  "executionRoleArn": "string",
  "name": "string",
  "networkConfiguration": {
    "networkMode": "string"
  },
  "recording": {
    "enabled": boolean,
    "s3Location": {
      "bucket": "string",
      "prefix": "string"
    }
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the browser.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the browser to access AWS services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: No

name

The name of the browser. The name must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

networkConfiguration

The network configuration for the browser. This configuration specifies the network mode for the browser.

Type: [BrowserNetworkConfiguration](#) object

Required: Yes

recording

The recording configuration for the browser. When enabled, browser sessions are recorded and stored in the specified Amazon S3 location.

Type: [RecordingConfig](#) object

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "browserArn": "string",
  "browserId": "string",
  "createdAt": "string",
  "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

browserArn

The Amazon Resource Name (ARN) of the created browser.

Type: String

Pattern: `arn:(-[:^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):browser(-custom)?/(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47})-[a-zA-Z0-9]{10}`

browserId

The unique identifier of the created browser.

Type: String

Pattern: (aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})

createdAt

The timestamp when the browser was created.

Type: Timestamp

status

The current status of the browser.

Type: String

Valid Values: CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

CreateCodeInterpreter

Creates a custom code interpreter.

Request Syntax

```
PUT /code-interpreters HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "description": "string",
  "executionRoleArn": "string",
  "name": "string",
  "networkConfiguration": {
    "networkMode": "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the code interpreter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the code interpreter to access AWS services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: No

name

The name of the code interpreter. The name must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

networkConfiguration

The network configuration for the code interpreter. This configuration specifies the network mode for the code interpreter.

Type: [CodeInterpreterNetworkConfiguration](#) object

Required: Yes

Response Syntax

```
HTTP/1.1 201
```

Content-type: application/json

```
{
  "codeInterpreterArn": "string",
  "codeInterpreterId": "string",
  "createdAt": "string",
  "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

[codeInterpreterArn](#)

The Amazon Resource Name (ARN) of the created code interpreter.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):code-interpreter(-custom)?/(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47})-[a-zA-Z0-9]{10}`

[codeInterpreterId](#)

The unique identifier of the created code interpreter.

Type: String

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47})-[a-zA-Z0-9]{10}`

[createdAt](#)

The timestamp when the code interpreter was created.

Type: Timestamp

[status](#)

The current status of the code interpreter.

Type: String

Valid Values: CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

CreateGateway

Creates a gateway for Amazon Bedrock Agent. A gateway serves as an integration point between your agent and external services.

To create a gateway, you must specify a name, protocol type, and IAM role. The role grants the gateway permission to access AWS services and resources.

Request Syntax

```
POST /gateways/ HTTP/1.1
Content-type: application/json

{
  "authorizerConfiguration": { ... },
  "authorizerType": "string",
  "clientToken": "string",
  "description": "string",
  "exceptionLevel": "string",
  "kmsKeyArn": "string",
  "name": "string",
  "protocolConfiguration": { ... },
  "protocolType": "string",
  "roleArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

authorizerConfiguration

The authorizer configuration for the Gateway.

Type: [AuthorizerConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

authorizerType

The type of authorizer to use for the gateway.

Type: String

Valid Values: CUSTOM_JWT

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

exceptionLevel

The level of detail in error messages returned when invoking the gateway.

- If the value is `DEBUG`, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: DEBUG

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of the AWS KMS key used to encrypt data associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

name

The name of the gateway. The name must be unique within your account.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

Required: Yes

protocolConfiguration

The configuration settings for the protocol specified in the `protocolType` parameter.

Type: [GatewayProtocolConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

protocolType

The protocol type for the gateway. Currently supports MCP (Model Context Protocol).

Type: String

Valid Values: MCP

Required: Yes

roleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the gateway to access AWS services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^\:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

Response Syntax

HTTP/1.1 202

Content-type: application/json

```
{
  "authorizerConfiguration": { ... },
  "authorizerType": "string",
  "createdAt": "string",
  "description": "string",
  "exceptionLevel": "string",
  "gatewayArn": "string",
  "gatewayId": "string",
  "gatewayUrl": "string",
  "kmsKeyArn": "string",
  "name": "string",
  "protocolConfiguration": { ... },
  "protocolType": "string",
  "roleArn": "string",
  "status": "string",
  "statusReasons": [ "string" ],
  "updatedAt": "string",
  "workloadIdentityDetails": {
    "workloadIdentityArn": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

authorizerConfiguration

The authorizer configuration for the created Gateway.

Type: [AuthorizerConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

The type of authorizer used by the gateway.

Type: String

Valid Values: CUSTOM_JWT

createdAt

The timestamp when the gateway was created.

Type: Timestamp

description

The description of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

exceptionLevel

The level of detail in error messages returned when invoking the gateway.

- If the value is DEBUG, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: DEBUG

gatewayArn

The Amazon Resource Name (ARN) of the created gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}: [0-9]{12}:gateway/[0-9a-zA-Z]{10}`

gatewayId

The unique identifier of the created gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

gatewayUrl

The URL endpoint for the created gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

kmsKeyArn

The Amazon Resource Name (ARN) of the AWS KMS key used to encrypt data associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The name of the gateway.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

protocolConfiguration

The configuration settings for the protocol used by the gateway.

Type: [GatewayProtocolConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

protocolType

The protocol type of the gateway.

Type: String

Valid Values: MCP

roleArn

The Amazon Resource Name (ARN) of the IAM role associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^\:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the gateway.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

statusReasons

The reasons for the current status of the gateway.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

updatedAt

The timestamp when the gateway was last updated.

Type: Timestamp

[workloadIdentityDetails](#)

The workload identity details for the created Gateway.

Type: [WorkloadIdentityDetails](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

CreateGatewayTarget

Creates a target for a gateway. A target defines an endpoint that the gateway can connect to.

To create a target, you must specify the gateway identifier and target configuration.

Request Syntax

```
POST /gateways/gatewayIdentifier/targets/ HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "credentialProviderConfigurations": [
    {
      "credentialProvider": { ... },
      "credentialProviderType": "string"
    }
  ],
  "description": "string",
  "name": "string",
  "targetConfiguration": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to create a target for. This can be either the gateway ID or the gateway ARN.

Pattern: (`[0-9a-z][-]?{1,100}`)-`[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

credentialProviderConfigurations

The credential provider configurations for the target. These configurations specify how the gateway authenticates with the target endpoint.

Type: Array of [CredentialProviderConfiguration](#) objects

Array Members: Fixed number of 1 item.

Required: Yes

description

The description of the gateway target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

name

The name of the gateway target. The name must be unique within the gateway.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

Required: Yes

targetConfiguration

The configuration settings for the target, including endpoint information and schema definitions.

Type: [TargetConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "createdAt": "string",
  "credentialProviderConfigurations": [
    {
      "credentialProvider": { ... },
      "credentialProviderType": "string"
    }
  ],
  "description": "string",
  "gatewayArn": "string",
  "name": "string",
  "status": "string",
  "statusReasons": [ "string" ],
  "targetConfiguration": { ... },
  "targetId": "string",
  "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

createdAt

The timestamp when the target was created.

Type: Timestamp

credentialProviderConfigurations

The credential provider configurations for the target.

Type: Array of [CredentialProviderConfiguration](#) objects

Array Members: Fixed number of 1 item.

description

The description of the target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

gatewayArn

The Amazon Resource Name (ARN) of the gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}: [0-9]{12}:gateway/[0-9a-zA-Z]{10}`

name

The name of the target.

Type: String

Pattern: `( [0-9a-zA-Z] [-]? ){1,100}`

status

The current status of the target.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

statusReasons

The reasons for the current status of the target.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

targetConfiguration

The configuration settings for the target.

Type: [TargetConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

targetId

The unique identifier of the created target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

updatedAt

The timestamp when the target was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

CreateMemory

Creates a new Amazon Bedrock AgentCore Memory resource.

Request Syntax

```
POST /memories/create HTTP/1.1
Content-type: application/json

{
  "clientToken": "string",
  "description": "string",
  "encryptionKeyArn": "string",
  "eventExpiryDuration": number,
  "memoryExecutionRoleArn": "string",
  "memoryStrategies": [
    { ... }
  ],
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

description

The description of the memory.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

encryptionKeyArn

The Amazon Resource Name (ARN) of the AWS KMS key used to encrypt the memory data.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}`

Required: No

eventExpiryDuration

The duration after which memory events expire. Specified as an ISO 8601 duration.

Type: Integer

Valid Range: Minimum value of 7. Maximum value of 365.

Required: Yes

memoryExecutionRoleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the memory to access AWS services.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}`

Required: No

memoryStrategies

The memory strategies to use for this memory. Strategies define how information is extracted, processed, and consolidated.

Type: Array of [MemoryStrategyInput](#) objects

Required: No

name

The name of the memory. The name must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "memory": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "encryptionKeyArn": "string",
    "eventExpiryDuration": number,
    "failureReason": "string",
    "id": "string",
    "memoryExecutionRoleArn": "string",
    "name": "string",
    "status": "string",
    "strategies": [
      {
        "configuration": {
          "consolidation": { ... },
          "extraction": { ... },
          "type": "string"
        },
        "createdAt": number,
        "description": "string",
        "name": "string",
        "namespaces": [ "string" ],
        "status": "string",
```

```
        "strategyId": "string",
        "type": "string",
        "updatedAt": number
    }
],
    "updatedAt": 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.

memory

The details of the created memory, including its ID, ARN, name, description, and configuration settings.

Type: [Memory](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

CreateOauth2CredentialProvider

Creates a new OAuth2 credential provider.

Request Syntax

```
POST /identities/CreateOauth2CredentialProvider HTTP/1.1
Content-type: application/json
```

```
{
  "credentialProviderVendor": "string",
  "name": "string",
  "oauth2ProviderConfigInput": { ... }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[credentialProviderVendor](#)

The vendor of the OAuth2 credential provider. This specifies which OAuth2 implementation to use.

Type: String

Valid Values: GoogleOauth2 | GithubOauth2 | SlackOauth2 | SalesforceOauth2 | MicrosoftOauth2 | CustomOauth2

Required: Yes

[name](#)

The name of the OAuth2 credential provider. The name must be unique within your account.

Type: String

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

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

Required: Yes

[oauth2ProviderConfigInput](#)

The configuration settings for the OAuth2 provider, including client ID, client secret, and other vendor-specific settings.

Type: [OAuth2ProviderConfigInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "clientSecretArn": {
    "secretArn": "string"
  },
  "credentialProviderArn": "string",
  "name": "string"
}
```

Response Elements

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

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

[clientSecretArn](#)

The Amazon Resource Name (ARN) of the client secret in AWS Secrets Manager.

Type: [Secret](#) object

[credentialProviderArn](#)

The Amazon Resource Name (ARN) of the OAuth2 credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-]+/oauth2credentialprovider/[a-zA-Z0-9-]+`

name

The name of the OAuth2 credential provider.

Type: String

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

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceLimitExceededException

Exception thrown when a resource limit is exceeded.

HTTP Status Code: 400

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

CreateWorkloadIdentity

Creates a new workload identity.

Request Syntax

```
POST /identities/CreateWorkloadIdentity HTTP/1.1
Content-type: application/json

{
  "allowedResourceOauth2ReturnUrls": [ "string" ],
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

allowedResourceOauth2ReturnUrls

The list of allowed OAuth2 return URLs for resources associated with this workload identity.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

Required: No

name

The name of the workload identity. The name must be unique within your account.

Type: String

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

Pattern: `[A-Za-z0-9_.-]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "allowedResourceOauth2ReturnUrls": [ "string" ],
  "name": "string",
  "workloadIdentityArn": "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.

allowedResourceOauth2ReturnUrls

The list of allowed OAuth2 return URLs for resources associated with this workload identity.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

name

The name of the workload identity.

Type: String

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

Pattern: `[A-Za-z0-9_.-]+`

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

DeleteAgentRuntime

Deletes an Amazon Bedrock AgentCore Runtime.

Request Syntax

```
DELETE /runtimes/agentRuntimeId/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[agentRuntimeId](#)

The unique identifier of the AgentCore Runtime to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "status": "string"
}
```

Response Elements

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

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

status

The current status of the AgentCore Runtime deletion.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

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

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

DeleteAgentRuntimeEndpoint

Deletes an AAgentCore Runtime endpoint.

Request Syntax

```
DELETE /runtimes/agentRuntimeId/runtime-endpoints/endpointName?clientToken=clientToken  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime associated with the endpoint.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

endpointName

The name of the AgentCore Runtime endpoint to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "status": "string"
}
```

Response Elements

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

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

status

The current status of the AgentCore Runtime endpoint deletion.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

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

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

DeleteApiKeyCredentialProvider

Deletes an API key credential provider.

Request Syntax

```
POST /identities/DeleteApiKeyCredentialProvider HTTP/1.1
Content-type: application/json

{
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the API key credential provider to delete.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

DeleteBrowser

Deletes a custom browser.

Request Syntax

```
DELETE /browsers/browserId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

browserId

The unique identifier of the browser to delete.

Pattern: (aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: [a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "browserId": "string",
  "lastUpdatedAt": "string",
  "status": "string"
}
```

```
}
```

Response Elements

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

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

browserId

The unique identifier of the deleted browser.

Type: String

Pattern: (aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})

lastUpdatedAt

The timestamp when the browser was last updated.

Type: Timestamp

status

The current status of the browser deletion.

Type: String

Valid Values: CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteCodeInterpreter

Deletes a custom code interpreter.

Request Syntax

```
DELETE /code-interpreters/codeInterpreterId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

codeInterpreterId

The unique identifier of the code interpreter to delete.

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "codeInterpreterId": "string",
```

```
"lastUpdatedAt": "string",  
"status": "string"  
}
```

Response Elements

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

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

[codeInterpreterId](#)

The unique identifier of the deleted code interpreter.

Type: String

Pattern: (aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})

[lastUpdatedAt](#)

The timestamp when the code interpreter was last updated.

Type: Timestamp

[status](#)

The current status of the code interpreter deletion.

Type: String

Valid Values: CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteGateway

Deletes a Gateway.

Request Syntax

```
DELETE /gateways/gatewayIdentifier/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to delete. This can be either the gateway ID or the gateway ARN.

Pattern: (`[0-9a-z] [-]? {1,100}`)-`[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "gatewayId": "string",
  "status": "string",
  "statusReasons": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

gatewayId

The unique identifier of the deleted Gateway.

Type: String

Pattern: ([0-9a-z] [-]?){1,100}-[0-9a-z]{10}

status

The current status of the Gateway deletion.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

statusReasons

The reasons for the current status of the Gateway deletion.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

DeleteGatewayTarget

Deletes a Gateway Target.

Request Syntax

```
DELETE /gateways/gatewayIdentifier/targets/targetId/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the Gateway associated with the target.

Pattern: (`[0-9a-z][-]?{1,100}`)-`[0-9a-z]{10}`

Required: Yes

targetId

The unique identifier of the Gateway Target to delete.

Pattern: `[0-9a-zA-Z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "gatewayArn": "string",
  "status": "string",
  "statusReasons": [ "string" ],
```

```
"targetId": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

[gatewayArn](#)

The Amazon Resource Name (ARN) of the Gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}: [0-9]{12}:gateway/[0-9a-zA-Z]{10}`

[status](#)

The current status of the Gateway Target deletion.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

[statusReasons](#)

The reasons for the current status of the Gateway Target deletion.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

[targetId](#)

The unique identifier of the deleted Gateway Target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)

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

DeleteMemory

Deletes an Amazon Bedrock AgentCore Memory resource.

Request Syntax

```
DELETE /memories/memoryId/delete?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A client token is used for keeping track of idempotent requests. It can contain a session id which can be around 250 chars, combined with a unique AWS identifier.

Length Constraints: Minimum length of 0. Maximum length of 500.

memoryId

The unique identifier of the memory to delete.

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_{0,99}]-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "memoryId": "string",
  "status": "string"
}
```

```
}
```

Response Elements

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

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

memoryId

The unique identifier of the deleted AgentCore Memory resource.

Type: String

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_{0,99}-[a-zA-Z0-9]{10}`

status

The current status of the AgentCore Memory resource deletion.

Type: String

Valid Values: CREATING | ACTIVE | FAILED | DELETING

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

DeleteOAuth2CredentialProvider

Deletes an OAuth2 credential provider.

Request Syntax

```
POST /identities/DeleteOAuth2CredentialProvider HTTP/1.1
Content-type: application/json

{
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the OAuth2 credential provider to delete.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

DeleteWorkloadIdentity

Deletes a workload identity.

Request Syntax

```
POST /identities/DeleteWorkloadIdentity HTTP/1.1
Content-type: application/json
```

```
{
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the workload identity to delete.

Type: String

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

Pattern: [A-Za-z0-9_.-]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

GetAgentRuntime

Gets an Amazon Bedrock AgentCore Runtime.

Request Syntax

```
GET /runtimes/agentRuntimeId?version=agentRuntimeVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

agentRuntimeVersion

The version of the AgentCore Runtime to retrieve.

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "agentRuntimeArn": "string",
  "agentRuntimeArtifact": { ... },
  "agentRuntimeId": "string",
```

```
"agentRuntimeName": "string",
"agentRuntimeVersion": "string",
"authorizerConfiguration": { ... },
"createdAt": "string",
"description": "string",
"environmentVariables": {
  "string" : "string"
},
"lastUpdatedAt": "string",
"networkConfiguration": {
  "networkMode": "string"
},
"protocolConfiguration": {
  "serverProtocol": "string"
},
"roleArn": "string",
"status": "string",
"workloadIdentityDetails": {
  "workloadIdentityArn": "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.

agentRuntimeArn

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agent/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}:([0-9]{0,4}[1-9][0-9]{0,4})`

agentRuntimeArtifact

The artifact of the AgentCore Runtime.

Type: [AgentArtifact](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

agentRuntimeId

The unique identifier of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

agentRuntimeName

The name of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

agentRuntimeVersion

The version of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

authorizerConfiguration

The authorizer configuration for the AgentCore Runtime.

Type: [AuthorizerConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

createdAt

The timestamp when the AgentCore Runtime was created.

Type: Timestamp

description

The description of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

environmentVariables

Environment variables set in the AgentCore Runtime environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

lastUpdatedAt

The timestamp when the AgentCore Runtime was last updated.

Type: Timestamp

networkConfiguration

The network configuration for the AgentCore Runtime.

Type: [NetworkConfiguration](#) object

protocolConfiguration

The protocol configuration for an agent runtime. This structure defines how the agent runtime communicates with clients.

Type: [ProtocolConfiguration](#) object

roleArn

The IAM role ARN that provides permissions for the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^\:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the AgentCore Runtime.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

[workloadIdentityDetails](#)

The workload identity details for the AgentCore Runtime.

Type: [WorkloadIdentityDetails](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

GetAgentRuntimeEndpoint

Gets information about an Amazon Secure AgentEndpoint.

Request Syntax

```
GET /runtimes/agentRuntimeId/runtime-endpoints/endpointName/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime associated with the endpoint.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

endpointName

The name of the AgentCore Runtime endpoint to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "agentRuntimeArn": "string",
  "agentRuntimeEndpointArn": "string",
  "createdAt": "string",
```

```
"description": "string",  
"failureReason": "string",  
"id": "string",  
"lastUpdatedAt": "string",  
"liveVersion": "string",  
"name": "string",  
"status": "string",  
"targetVersion": "string"  
}
```

Response Elements

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

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

[agentRuntimeArn](#)

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agent/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}:([0-9]{0,4}[1-9][0-9]{0,4})`

[agentRuntimeEndpointArn](#)

The Amazon Resource Name (ARN) of the AgentCore Runtime endpoint.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agentEndpoint/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

[createdAt](#)

The timestamp when the AgentCore Runtime endpoint was created.

Type: Timestamp

[description](#)

The description of the AgentCore Runtime endpoint.

Type: String

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

failureReason

The reason for failure if the AgentCore Runtime endpoint is in a failed state.

Type: String

id

The unique identifier of the AgentCore Runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

lastUpdatedAt

The timestamp when the AgentCore Runtime endpoint was last updated.

Type: Timestamp

liveVersion

The currently deployed version of the AgentCore Runtime on the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

name

The name of the AgentCore Runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

status

The current status of the AgentCore Runtime endpoint.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

targetVersion

The target version of the AgentCore Runtime for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: ([1-9][0-9]{0,4})

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

GetApiKeyCredentialProvider

Retrieves information about an API key credential provider.

Request Syntax

```
POST /identities/GetApiKeyCredentialProvider HTTP/1.1
Content-type: application/json

{
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the API key credential provider to retrieve.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "apiKeySecretArn": {
```

```
  "secretArn": "string",
},
"createdTime": number,
"credentialProviderArn": "string",
"lastUpdatedTime": number,
"name": "string"
}
```

Response Elements

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

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

apiKeySecretArn

The Amazon Resource Name (ARN) of the API key secret in AWS Secrets Manager.

Type: [Secret](#) object

createdTime

The timestamp when the API key credential provider was created.

Type: Timestamp

credentialProviderArn

The Amazon Resource Name (ARN) of the API key credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-]+/apikeycredentialprovider/[a-zA-Z0-9-]+`

lastUpdatedTime

The timestamp when the API key credential provider was last updated.

Type: Timestamp

name

The name of the API key credential provider.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

GetBrowser

Gets information about a custom browser.

Request Syntax

```
GET /browsers/browserId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[browserId](#)

The unique identifier of the browser to retrieve.

Pattern: (aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "browserArn": "string",
  "browserId": "string",
  "createdAt": "string",
  "description": "string",
  "executionRoleArn": "string",
  "lastUpdatedAt": "string",
  "name": "string",
  "networkConfiguration": {
    "networkMode": "string"
  },
}
```

```
"recording": {  
  "enabled": boolean,  
  "s3Location": {  
    "bucket": "string",  
    "prefix": "string"  
  }  
},  
"status": "string"  
}
```

Response Elements

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

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

[browserArn](#)

The Amazon Resource Name (ARN) of the browser.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):browser(-custom)?/(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

[browserId](#)

The unique identifier of the browser.

Type: String

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

[createdAt](#)

The timestamp when the browser was created.

Type: Timestamp

[description](#)

The description of the browser.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

executionRoleArn

The IAM role ARN that provides permissions for the browser.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^\:]+)?:iam::([0-9]{12})?:role/.+`

lastUpdatedAt

The timestamp when the browser was last updated.

Type: Timestamp

name

The name of the browser.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

networkConfiguration

The network configuration for a browser. This structure defines how the browser connects to the network.

Type: [BrowserNetworkConfiguration](#) object

recording

The recording configuration for a browser. This structure defines how browser sessions are recorded.

Type: [RecordingConfig](#) object

status

The current status of the browser.

Type: String

Valid Values: CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCodeInterpreter

Gets information about a custom code interpreter.

Request Syntax

```
GET /code-interpreters/codeInterpreterId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[codeInterpreterId](#)

The unique identifier of the code interpreter to retrieve.

Pattern: (aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{
  "codeInterpreterArn": "string",
  "codeInterpreterId": "string",
  "createdAt": "string",
  "description": "string",
  "executionRoleArn": "string",
  "lastUpdatedAt": "string",
  "name": "string",
  "networkConfiguration": {
    "networkMode": "string"
  }
}
```

```
  },  
  "status": "string"  
}
```

Response Elements

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

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

codeInterpreterArn

The Amazon Resource Name (ARN) of the code interpreter.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):code-interpreter(-custom)?/(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47})-[a-zA-Z0-9]{10}`

codeInterpreterId

The unique identifier of the code interpreter.

Type: String

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47})-[a-zA-Z0-9]{10}`

createdAt

The timestamp when the code interpreter was created.

Type: Timestamp

description

The description of the code interpreter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

executionRoleArn

The IAM role ARN that provides permissions for the code interpreter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^\:]+)?:iam::([0-9]{12})?:role/.+`

lastUpdatedAt

The timestamp when the code interpreter was last updated.

Type: Timestamp

name

The name of the code interpreter.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

networkConfiguration

The network configuration for a code interpreter. This structure defines how the code interpreter connects to the network.

Type: [CodeInterpreterNetworkConfiguration](#) object

status

The current status of the code interpreter.

Type: String

Valid Values: CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

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

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

GetGateway

Retrieves information about a specific Gateway.

Request Syntax

```
GET /gateways/gatewayIdentifier/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to retrieve. This can be either the gateway ID or the gateway ARN.

Pattern: (`[0-9a-z][-]?{1,100}`)-`[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "authorizerConfiguration": { ... },
  "authorizerType": "string",
  "createdAt": "string",
  "description": "string",
  "exceptionLevel": "string",
  "gatewayArn": "string",
  "gatewayId": "string",
  "gatewayUrl": "string",
  "kmsKeyArn": "string",
  "name": "string",
```

```
"protocolConfiguration": { ... },
"protocolType": "string",
"roleArn": "string",
"status": "string",
"statusReasons": [ "string" ],
"updatedAt": "string",
"workloadIdentityDetails": {
  "workloadIdentityArn": "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.

authorizerConfiguration

The authorizer configuration for the Gateway.

Type: [AuthorizerConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

Authorizer type for the gateway.

Type: String

Valid Values: CUSTOM_JWT

createdAt

The timestamp when the Gateway was created.

Type: Timestamp

description

The description of the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

exceptionLevel

The level of detail in error messages returned when invoking the gateway.

- If the value is `DEBUG`, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: `DEBUG`

gatewayArn

The Amazon Resource Name (ARN) of the Gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}: [0-9]{12}:gateway/[0-9a-zA-Z]{10}`

gatewayId

The unique identifier of the Gateway.

Type: String

Pattern: `( [0-9a-z] [-]? ){1,100} - [0-9a-z]{10}`

gatewayUrl

An endpoint for invoking Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

kmsKeyArn

The ARN of the KMS key used to encrypt the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]* : [0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The name of the Gateway.

Type: String

Pattern: (`[0-9a-zA-Z] [-]?`){1,100}

protocolConfiguration

The configuration for a gateway protocol. This structure defines how the gateway communicates with external services.

Type: [GatewayProtocolConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

protocolType

Protocol applied to a Gateway.

Type: String

Valid Values: MCP

roleArn

The IAM role ARN that provides permissions for the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the Gateway.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

statusReasons

The reasons for the current status of the Gateway.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

updatedAt

The timestamp when the Gateway was last updated.

Type: Timestamp

workloadIdentityDetails

The workload identity details for the Gateway.

Type: [WorkloadIdentityDetails](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

GetGatewayTarget

Retrieves information about a specific Gateway Target.

Request Syntax

```
GET /gateways/gatewayIdentifier/targets/targetId/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway that contains the target. This can be either the gateway ID or the gateway ARN.

Pattern: (`[0-9a-z][-]?{1,100}`)-`[0-9a-z]{10}`

Required: Yes

targetId

The unique identifier of the target to retrieve.

Pattern: `[0-9a-zA-Z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "createdAt": "string",
  "credentialProviderConfigurations": [
```

```
{
  "credentialProvider": { ... },
  "credentialProviderType": "string"
},
"description": "string",
"gatewayArn": "string",
"name": "string",
"status": "string",
"statusReasons": [ "string" ],
"targetConfiguration": { ... },
"targetId": "string",
"updatedAt": "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.

createdAt

The timestamp when the Gateway Target was created.

Type: Timestamp

credentialProviderConfigurations

The credential provider configurations for the Gateway Target.

Type: Array of [CredentialProviderConfiguration](#) objects

Array Members: Fixed number of 1 item.

description

The description of the Gateway Target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

gatewayArn

The Amazon Resource Name (ARN) of the Gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}: [0-9]{12}:gateway/[0-9a-zA-Z]{10}`

name

The name of the Gateway Target.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

status

The current status of the Gateway Target.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

statusReasons

The reasons for the current status of the Gateway Target.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

targetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Type: [TargetConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

targetId

The unique identifier of the Gateway Target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

updatedAt

The timestamp when the Gateway Target was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

GetMemory

Retrieve an existing Amazon Bedrock AgentCore Memory resource.

Request Syntax

```
GET /memories/memoryId/details HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

memoryId

The unique identifier of the memory to retrieve.

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{
  "memory": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "encryptionKeyArn": "string",
    "eventExpiryDuration": number,
    "failureReason": "string",
    "id": "string",
    "memoryExecutionRoleArn": "string",
```

```
"name": "string",
"status": "string",
"strategies": [
  {
    "configuration": {
      "consolidation": { ... },
      "extraction": { ... },
      "type": "string"
    },
    "createdAt": number,
    "description": "string",
    "name": "string",
    "namespaces": [ "string" ],
    "status": "string",
    "strategyId": "string",
    "type": "string",
    "updatedAt": number
  }
],
"updatedAt": 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.

memory

The retrieved AgentCore Memory resource details.

Type: [Memory](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

GetOAuth2CredentialProvider

Retrieves information about an OAuth2 credential provider.

Request Syntax

```
POST /identities/GetOAuth2CredentialProvider HTTP/1.1
Content-type: application/json

{
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the OAuth2 credential provider to retrieve.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "clientSecretArn": {
```

```
  "secretArn": "string",
},
"createdTime": number,
"credentialProviderArn": "string",
"credentialProviderVendor": "string",
"lastUpdatedTime": number,
"name": "string",
"oauth2ProviderConfigOutput": { ... }
}
```

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.

clientSecretArn

The Amazon Resource Name (ARN) of the client secret in AWS Secrets Manager.

Type: [Secret](#) object

createdTime

The timestamp when the OAuth2 credential provider was created.

Type: Timestamp

credentialProviderArn

ARN of the credential provider requested.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-]+/oauth2credentialprovider/[a-zA-Z0-9-]+`

credentialProviderVendor

The vendor of the OAuth2 credential provider.

Type: String

Valid Values: `Google0auth2` | `Github0auth2` | `Slack0auth2` | `Salesforce0auth2` | `Microsoft0auth2` | `Custom0auth2`

lastUpdatedTime

The timestamp when the OAuth2 credential provider was last updated.

Type: Timestamp

name

The name of the OAuth2 credential provider.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

oauth2ProviderConfigOutput

The configuration output for the OAuth2 provider.

Type: [OAuth2ProviderConfigOutput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

GetTokenVault

Retrieves information about a token vault.

Request Syntax

```
POST /identities/get-token-vault HTTP/1.1
Content-type: application/json
```

```
{
  "tokenVaultId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[tokenVaultId](#)

The unique identifier of the token vault to retrieve.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "kmsConfiguration": {
```

```
  "keyType": "string",  
  "kmsKeyArn": "string"  
},  
"lastModifiedDate": number,  
"tokenVaultId": "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.

kmsConfiguration

The KMS configuration for the token vault.

Type: [KmsConfiguration](#) object

lastModifiedDate

The timestamp when the token vault was last modified.

Type: Timestamp

tokenVaultId

The ID of the token vault.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetWorkloadIdentity

Retrieves information about a workload identity.

Request Syntax

```
POST /identities/GetWorkloadIdentity HTTP/1.1
Content-type: application/json
```

```
{
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the workload identity to retrieve.

Type: String

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

Pattern: [A-Za-z0-9_.-]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "allowedResourceOAuth2ReturnUrls": [ "string" ],
  "createdTime": number,
```

```
"lastUpdatedTime": number,  
"name": "string",  
"workloadIdentityArn": "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.

allowedResourceOAuth2ReturnUrls

The list of allowed OAuth2 return URLs for resources associated with this workload identity.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

createdTime

The timestamp when the workload identity was created.

Type: Timestamp

lastUpdatedTime

The timestamp when the workload identity was last updated.

Type: Timestamp

name

The name of the workload identity.

Type: String

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

Pattern: `[A-Za-z0-9_.-]+`

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

ListAgentRuntimeEndpoints

Lists all endpoints for a specific Amazon Secure Agent.

Request Syntax

```
POST /runtimes/agentRuntimeId/runtime-endpoints/?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to list endpoints for.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response.

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

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "nextToken": "string",
  "runtimeEndpoints": [
    {
      "agentRuntimeArn": "string",
      "agentRuntimeEndpointArn": "string",
      "createdAt": "string",
      "description": "string",
      "id": "string",
      "lastUpdatedAt": "string",
      "liveVersion": "string",
      "name": "string",
      "status": "string",
      "targetVersion": "string"
    }
  ]
}
```

Response Elements

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

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

[nextToken](#)

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

[runtimeEndpoints](#)

The list of AgentCore Runtime endpoints.

Type: Array of [AgentEndpoint](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

ListAgentRuntimes

Lists all Amazon Secure Agents in your account.

Request Syntax

```
POST /runtimes/?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response.

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

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "agentRuntimes": [
    {
      "agentRuntimeArn": "string",
      "agentRuntimeId": "string",
      "agentRuntimeName": "string",
```

```
    "agentRuntimeVersion": "string",
    "description": "string",
    "lastUpdatedAt": "string",
    "status": "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.

agentRuntimes

The list of AgentCore Runtime resources.

Type: Array of [Agent](#) objects

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

ListAgentRuntimeVersions

Lists all versions of a specific Amazon Secure Agent.

Request Syntax

```
POST /runtimes/agentRuntimeId/versions/?maxResults=maxResults&nextToken=nextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to list versions for.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response.

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

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "agentRuntimes": [
    {
      "agentRuntimeArn": "string",
      "agentRuntimeId": "string",
      "agentRuntimeName": "string",
      "agentRuntimeVersion": "string",
      "description": "string",
      "lastUpdatedAt": "string",
      "status": "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.

[agentRuntimes](#)

The list of AgentCore Runtime versions.

Type: Array of [Agent](#) objects

[nextToken](#)

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListApiKeyCredentialProviders

Lists all API key credential providers in your account.

Request Syntax

```
POST /identities/ListApiKeyCredentialProviders HTTP/1.1
Content-type: application/json
```

```
{
  "maxResults": number,
  "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Maximum number of results to return.

Type: Integer

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

Required: No

nextToken

Pagination token.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "credentialProviders": [
    {
      "createdTime": number,
      "credentialProviderArn": "string",
      "lastUpdatedTime": number,
      "name": "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.

credentialProviders

The list of API key credential providers.

Type: Array of [ApiKeyCredentialProviderItem](#) objects

nextToken

Pagination token for the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

ListBrowsers

Lists all custom browsers in your account.

Request Syntax

```
POST /browsers?maxResults=maxResults&nextToken=nextToken&type=type HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in a single call. The default value is 10. The maximum value is 50.

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

nextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

type

The type of browsers to list. If not specified, all browser types are returned.

Valid Values: SYSTEM | CUSTOM

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "browserSummaries": [
    {
      "browserArn": "string",
      "browserId": "string",
      "createdAt": "string",
      "description": "string",
      "lastUpdatedAt": "string",
      "name": "string",
      "status": "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.

[browserSummaries](#)

The list of browser summaries.

Type: Array of [BrowserSummary](#) objects

[nextToken](#)

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

ListCodeInterpreters

Lists all custom code interpreters in your account.

Request Syntax

```
POST /code-interpreters?maxResults=maxResults&nextToken=nextToken&type=type HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response.

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

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

type

The type of code interpreters to list.

Valid Values: SYSTEM | CUSTOM

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
"codeInterpreterSummaries": [  
  {  
    "codeInterpreterArn": "string",  
    "codeInterpreterId": "string",  
    "createdAt": "string",  
    "description": "string",  
    "lastUpdatedAt": "string",  
    "name": "string",  
    "status": "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.

[codeInterpreterSummaries](#)

The list of code interpreter summaries.

Type: Array of [CodeInterpreterSummary](#) objects

[nextToken](#)

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

ListGateways

Lists all Gateways in the account.

Request Syntax

```
GET /gateways/?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[maxResults](#)

The maximum number of results to return in a single call. The default value is 10. The maximum value is 50.

Valid Range: Minimum value of 1. Maximum value of 1000.

[nextToken](#)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "items": [
    {
      "authorizerType": "string",
```

```
    "createdAt": "string",
    "description": "string",
    "gatewayId": "string",
    "name": "string",
    "protocolType": "string",
    "status": "string",
    "updatedAt": "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.

items

The list of Gateway summaries.

Type: Array of [GatewaySummary](#) objects

nextToken

Opaque continuation token for the next paginated response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

ListGatewayTargets

Lists all targets for a specific Gateway.

Request Syntax

```
GET /gateways/gatewayIdentifier/targets/?maxResults=maxResults&nextToken=nextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to list targets for. This can be either the gateway ID or the gateway ARN.

Pattern: (`[0-9a-z] [-]?`){1,100}-`[0-9a-z]{10}`

Required: Yes

maxResults

The maximum number of results to return in a single call. The default value is 10. The maximum value is 50.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "items": [
    {
      "createdAt": "string",
      "description": "string",
      "name": "string",
      "status": "string",
      "targetId": "string",
      "updatedAt": "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.

items

The list of Gateway Target summaries.

Type: Array of [TargetSummary](#) objects

nextToken

Opaque continuation token for the next paginated response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListMemories

Lists the available Amazon Bedrock AgentCore Memory resources in the current AWS Region.

Request Syntax

```
POST /memories/ HTTP/1.1
Content-type: application/json

{
  "maxResults": number,
  "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

The maximum number of results to return in a single call. The default value is 10. The maximum value is 50.

Type: Integer

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

Required: No

nextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "memories": [
    {
      "arn": "string",
      "createdAt": number,
      "id": "string",
      "status": "string",
      "updatedAt": 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.

memories

The list of AgentCore Memory resource summaries.

Type: Array of [MemorySummary](#) objects

nextToken

A token to retrieve the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

ListOAuth2CredentialProviders

Lists all OAuth2 credential providers in your account.

Request Syntax

```
POST /identities/ListOAuth2CredentialProviders HTTP/1.1
Content-type: application/json
```

```
{
  "maxResults": number,
  "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Maximum number of results to return.

Type: Integer

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

Required: No

nextToken

Pagination token.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "credentialProviders": [
    {
      "createdTime": number,
      "credentialProviderArn": "string",
      "credentialProviderVendor": "string",
      "lastUpdatedTime": number,
      "name": "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.

[credentialProviders](#)

The list of OAuth2 credential providers.

Type: Array of [Oauth2CredentialProviderItem](#) objects

[nextToken](#)

Pagination token for the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListWorkloadIdentities

Lists all workload identities in your account.

Request Syntax

```
POST /identities/ListWorkloadIdentities HTTP/1.1
Content-type: application/json
```

```
{
  "maxResults": number,
  "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Maximum number of results to return.

Type: Integer

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

Required: No

nextToken

Pagination token.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "nextToken": "string",
  "workloadIdentities": [
    {
      "name": "string",
      "workloadIdentityArn": "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

Pagination token for the next page of results.

Type: String

workloadIdentities

The list of workload identities.

Type: Array of [WorkloadIdentityType](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

SetTokenVaultCMK

Sets the customer master key (CMK) for a token vault.

Request Syntax

```
POST /identities/set-token-vault-cmk HTTP/1.1
Content-type: application/json
```

```
{
  "kmsConfiguration": {
    "keyType": "string",
    "kmsKeyArn": "string"
  },
  "tokenVaultId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

kmsConfiguration

The AWS KMS configuration for the token vault, including the key type and AWS KMS key ARN.

Type: [KmsConfiguration](#) object

Required: Yes

tokenVaultId

The unique identifier of the token vault to update.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "kmsConfiguration": {
    "keyType": "string",
    "kmsKeyArn": "string"
  },
  "lastModifiedDate": number,
  "tokenVaultId": "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.

kmsConfiguration

The KMS configuration for the token vault.

Type: [KmsConfiguration](#) object

lastModifiedDate

The timestamp when the token vault was last modified.

Type: Timestamp

tokenVaultId

The ID of the token vault.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConcurrentModificationException

Exception thrown when a resource is modified concurrently by multiple requests.

HTTP Status Code: 409

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

UpdateAgentRuntime

Updates an existing Amazon Secure Agent.

Request Syntax

```
PUT /runtimes/agentRuntimeId/ HTTP/1.1
Content-type: application/json
```

```
{
  "agentRuntimeArtifact": { ... },
  "authorizerConfiguration": { ... },
  "clientToken": "string",
  "description": "string",
  "environmentVariables": {
    "string" : "string"
  },
  "networkConfiguration": {
    "networkMode": "string"
  },
  "protocolConfiguration": {
    "serverProtocol": "string"
  },
  "roleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to update.

Pattern: [a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}

Required: Yes

Request Body

The request accepts the following data in JSON format.

agentRuntimeArtifact

The updated artifact of the AgentCore Runtime.

Type: [AgentArtifact](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

authorizerConfiguration

The updated authorizer configuration for the AgentCore Runtime.

Type: [AuthorizerConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The updated description of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

environmentVariables

Updated environment variables to set in the AgentCore Runtime environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

Required: No

networkConfiguration

The updated network configuration for the AgentCore Runtime.

Type: [NetworkConfiguration](#) object

Required: Yes

protocolConfiguration

The protocol configuration for an agent runtime. This structure defines how the agent runtime communicates with clients.

Type: [ProtocolConfiguration](#) object

Required: No

roleArn

The updated IAM role ARN that provides permissions for the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
```

```
"agentRuntimeArn": "string",
"agentRuntimeId": "string",
"agentRuntimeVersion": "string",
"createdAt": "string",
"lastUpdatedAt": "string",
"status": "string",
"workloadIdentityDetails": {
  "workloadIdentityArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

[agentRuntimeArn](#)

The Amazon Resource Name (ARN) of the updated AgentCore Runtime.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agent/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}:([0-9]{0,4}[1-9][0-9]{0,4})`

[agentRuntimeId](#)

The unique identifier of the updated AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

[agentRuntimeVersion](#)

The version of the updated AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

createdAt

The timestamp when the AgentCore Runtime was created.

Type: Timestamp

lastUpdatedAt

The timestamp when the AgentCore Runtime was last updated.

Type: Timestamp

status

The current status of the updated AgentCore Runtime.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

workloadIdentityDetails

The workload identity details for the updated AgentCore Runtime.

Type: [WorkloadIdentityDetails](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

UpdateAgentRuntimeEndpoint

Updates an existing Amazon Bedrock AgentCore Runtime endpoint.

Request Syntax

```
PUT /runtimes/agentRuntimeId/runtime-endpoints/endpointName/ HTTP/1.1
Content-type: application/json
```

```
{
  "agentRuntimeVersion": "string",
  "clientToken": "string",
  "description": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime associated with the endpoint.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

endpointName

The name of the AgentCore Runtime endpoint to update.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

agentRuntimeVersion

The updated version of the AgentCore Runtime for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: ([1-9][0-9]{0,4})

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: [a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}

Required: No

description

The updated description of the AgentCore Runtime endpoint.

Type: String

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

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "agentRuntimeArn": "string",
  "agentRuntimeEndpointArn": "string",
  "createdAt": "string",
  "lastUpdatedAt": "string",
  "liveVersion": "string",
  "status": "string",
  "targetVersion": "string"
}
```

Response Elements

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

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

agentRuntimeArn

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agent/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}:[0-9]{0,4}[1-9][0-9]{0,4}`

agentRuntimeEndpointArn

The Amazon Resource Name (ARN) of the AgentCore Runtime endpoint.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agentEndpoint/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

createdAt

The timestamp when the AgentCore Runtime endpoint was created.

Type: Timestamp

lastUpdatedAt

The timestamp when the AgentCore Runtime endpoint was last updated.

Type: Timestamp

liveVersion

The currently deployed version of the AgentCore Runtime on the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: ([1-9][0-9]{0,4})

status

The current status of the updated AgentCore Runtime endpoint.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

targetVersion

The target version of the AgentCore Runtime for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: ([1-9][0-9]{0,4})

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

UpdateApiKeyCredentialProvider

Updates an existing API key credential provider.

Request Syntax

```
POST /identities/UpdateApiKeyCredentialProvider HTTP/1.1
Content-type: application/json

{
  "apiKey": "string",
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiKey

The new API key to use for authentication. This value replaces the existing API key and is encrypted and stored securely.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 65536.

Required: Yes

name

The name of the API key credential provider to update.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "apiKeySecretArn": {
    "secretArn": "string"
  },
  "createdTime": number,
  "credentialProviderArn": "string",
  "lastUpdatedTime": number,
  "name": "string"
}
```

Response Elements

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

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

[apiKeySecretArn](#)

The Amazon Resource Name (ARN) of the API key secret in AWS Secrets Manager.

Type: [Secret](#) object

[createdTime](#)

The timestamp when the API key credential provider was created.

Type: Timestamp

[credentialProviderArn](#)

The Amazon Resource Name (ARN) of the API key credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-\.]+/apikeycredentialprovider/[a-zA-Z0-9-\.]+`

lastUpdatedTime

The timestamp when the API key credential provider was last updated.

Type: Timestamp

name

The name of the API key credential provider.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateGateway

Updates an existing Gateway.

Request Syntax

```
PUT /gateways/gatewayIdentifier/ HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "authorizerConfiguration": { ... },
  "authorizerType": "string",
  "description": "string",
  "exceptionLevel": "string",
  "kmsKeyArn": "string",
  "name": "string",
  "protocolConfiguration": { ... },
  "protocolType": "string",
  "roleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to update. This can be either the gateway ID or the gateway ARN.

Pattern: (`[0-9a-z][-]?{1,100}`)-`[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

authorizerConfiguration

The updated authorizer configuration for the Gateway.

Type: [AuthorizerConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

[authorizerType](#)

The updated authorizer type for the Gateway.

Type: String

Valid Values: CUSTOM_JWT

Required: Yes

[description](#)

The updated description for the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

[exceptionLevel](#)

The level of detail in error messages returned when invoking the gateway.

- If the value is DEBUG, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: DEBUG

Required: No

[kmsKeyArn](#)

The updated ARN of the KMS key used to encrypt the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

name

The updated name for the Gateway.

Type: String

Pattern: `([0-9a-zA-Z] [-] ?){1,100}`

Required: Yes

protocolConfiguration

The configuration for a gateway protocol. This structure defines how the gateway communicates with external services.

Type: [GatewayProtocolConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

protocolType

The updated protocol type for the Gateway.

Type: String

Valid Values: MCP

Required: Yes

roleArn

The updated IAM role ARN that provides permissions for the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^\:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "authorizerConfiguration": { ... },
  "authorizerType": "string",
  "createdAt": "string",
  "description": "string",
  "exceptionLevel": "string",
  "gatewayArn": "string",
  "gatewayId": "string",
  "gatewayUrl": "string",
  "kmsKeyArn": "string",
  "name": "string",
  "protocolConfiguration": { ... },
  "protocolType": "string",
  "roleArn": "string",
  "status": "string",
  "statusReasons": [ "string" ],
  "updatedAt": "string",
  "workloadIdentityDetails": {
    "workloadIdentityArn": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

authorizerConfiguration

The updated authorizer configuration for the Gateway.

Type: [AuthorizerConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

The updated authorizer type for the Gateway.

Type: String

Valid Values: CUSTOM_JWT

createdAt

The timestamp when the Gateway was created.

Type: Timestamp

description

The updated description of the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

exceptionLevel

The verbosity of exception messages. Use DEBUG mode to see granular exception messages from a Gateway. If this parameter is not set, exception messages are by default sanitized for presentation to end users.

Type: String

Valid Values: DEBUG

gatewayArn

The Amazon Resource Name (ARN) of the updated Gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}: [0-9]{12}:gateway/[0-9a-zA-Z]{10}`

gatewayId

The unique identifier of the updated Gateway.

Type: String

Pattern: (`[0-9a-z] [-]?`){1,100}-`[0-9a-z]{10}`

gatewayUrl

An endpoint for invoking the updated Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

kmsKeyArn

The updated ARN of the KMS key used to encrypt the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The updated name of the Gateway.

Type: String

Pattern: (`[0-9a-zA-Z] [-]?`){1,100}

protocolConfiguration

The configuration for a gateway protocol. This structure defines how the gateway communicates with external services.

Type: [GatewayProtocolConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

protocolType

The updated protocol type for the Gateway.

Type: String

Valid Values: MCP

[roleArn](#)

The updated IAM role ARN that provides permissions for the Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^\:]+)?:iam::([0-9]{12})?:role/.+`

[status](#)

The current status of the updated Gateway.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

[statusReasons](#)

The reasons for the current status of the updated Gateway.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

[updatedAt](#)

The timestamp when the Gateway was last updated.

Type: Timestamp

[workloadIdentityDetails](#)

The workload identity details for the updated Gateway.

Type: [WorkloadIdentityDetails](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

UpdateGatewayTarget

Updates an existing Gateway Target.

Request Syntax

```
PUT /gateways/gatewayIdentifier/targets/targetId/ HTTP/1.1
Content-type: application/json
```

```
{
  "credentialProviderConfigurations": [
    {
      "credentialProvider": { ... },
      "credentialProviderType": "string"
    }
  ],
  "description": "string",
  "name": "string",
  "targetConfiguration": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the Gateway associated with the target.

Pattern: ([0-9a-z] [-]?){1,100}-[0-9a-z]{10}

Required: Yes

targetId

The unique identifier of the Gateway Target to update.

Pattern: [0-9a-zA-Z]{10}

Required: Yes

Request Body

The request accepts the following data in JSON format.

credentialProviderConfigurations

The updated credential provider configurations for the Gateway Target.

Type: Array of [CredentialProviderConfiguration](#) objects

Array Members: Fixed number of 1 item.

Required: Yes

description

The updated description for the Gateway Target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

name

The updated name for the Gateway Target.

Type: String

Pattern: (`[0-9a-zA-Z][-]?`){1,100}

Required: Yes

targetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Type: [TargetConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "createdAt": "string",
  "credentialProviderConfigurations": [
    {
      "credentialProvider": { ... },
      "credentialProviderType": "string"
    }
  ],
  "description": "string",
  "gatewayArn": "string",
  "name": "string",
  "status": "string",
  "statusReasons": [ "string" ],
  "targetConfiguration": { ... },
  "targetId": "string",
  "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

createdAt

The timestamp when the Gateway Target was created.

Type: Timestamp

credentialProviderConfigurations

The updated credential provider configurations for the Gateway Target.

Type: Array of [CredentialProviderConfiguration](#) objects

Array Members: Fixed number of 1 item.

description

The updated description of the Gateway Target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

gatewayArn

The Amazon Resource Name (ARN) of the Gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}: [0-9]{12}:gateway/[0-9a-zA-Z]{10}`

name

The updated name of the Gateway Target.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

status

The current status of the updated Gateway Target.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

statusReasons

The reasons for the current status of the updated Gateway Target.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

targetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Type: [TargetConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

[targetId](#)

The unique identifier of the updated Gateway Target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

[updatedAt](#)

The timestamp when the Gateway Target was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerErrorException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

UpdateMemory

Update an Amazon Bedrock AgentCore Memory resource memory.

Request Syntax

PUT /memories/*memoryId*/update HTTP/1.1

Content-type: application/json

```
{
  "clientToken": "string",
  "description": "string",
  "eventExpiryDuration": number,
  "memoryExecutionRoleArn": "string",
  "memoryStrategies": {
    "addMemoryStrategies": [
      { ... }
    ],
    "deleteMemoryStrategies": [
      {
        "memoryStrategyId": "string"
      }
    ],
    "modifyMemoryStrategies": [
      {
        "configuration": {
          "consolidation": { ... },
          "extraction": { ... }
        },
        "description": "string",
        "memoryStrategyId": "string",
        "namespaces": [ "string" ]
      }
    ]
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

memoryId

The unique identifier of the memory to update.

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A client token is used for keeping track of idempotent requests. It can contain a session id which can be around 250 chars, combined with a unique AWS identifier.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

description

The updated description of the AgentCore Memory resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

eventExpiryDuration

The number of days after which memory events will expire, between 7 and 365 days.

Type: Integer

Valid Range: Minimum value of 7. Maximum value of 365.

Required: No

[memoryExecutionRoleArn](#)

The ARN of the IAM role that provides permissions for the AgentCore Memory resource.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}`

Required: No

[memoryStrategies](#)

The memory strategies to add, modify, or delete.

Type: [ModifyMemoryStrategies](#) object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "memory": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "encryptionKeyArn": "string",
    "eventExpiryDuration": number,
    "failureReason": "string",
    "id": "string",
    "memoryExecutionRoleArn": "string",
    "name": "string",
    "status": "string",
    "strategies": [
      {
        "configuration": {
          "consolidation": { ... },
          "extraction": { ... },
```

```
        "type": "string",
      },
      "createdAt": number,
      "description": "string",
      "name": "string",
      "namespaces": [ "string" ],
      "status": "string",
      "strategyId": "string",
      "type": "string",
      "updatedAt": number
    }
  ],
  "updatedAt": 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.

memory

The updated AgentCore Memory resource details.

Type: [Memory](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateOauth2CredentialProvider

Updates an existing OAuth2 credential provider.

Request Syntax

```
POST /identities/UpdateOauth2CredentialProvider HTTP/1.1
Content-type: application/json
```

```
{
  "credentialProviderVendor": "string",
  "name": "string",
  "oauth2ProviderConfigInput": { ... }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[credentialProviderVendor](#)

The vendor of the OAuth2 credential provider.

Type: String

Valid Values: GoogleOauth2 | GithubOauth2 | SlackOauth2 | SalesforceOauth2 | MicrosoftOauth2 | CustomOauth2

Required: Yes

[name](#)

The name of the OAuth2 credential provider to update.

Type: String

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

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

Required: Yes

[oauth2ProviderConfigInput](#)

The configuration input for the OAuth2 provider.

Type: [OAuth2ProviderConfigInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "clientSecretArn": {
    "secretArn": "string"
  },
  "createdTime": number,
  "credentialProviderArn": "string",
  "credentialProviderVendor": "string",
  "lastUpdatedTime": number,
  "name": "string",
  "oauth2ProviderConfigOutput": { ... }
}
```

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.

[clientSecretArn](#)

The Amazon Resource Name (ARN) of the client secret in AWS Secrets Manager.

Type: [Secret](#) object

createdTime

The timestamp when the OAuth2 credential provider was created.

Type: Timestamp

credentialProviderArn

The Amazon Resource Name (ARN) of the OAuth2 credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-]+/oauth2credentialprovider/[a-zA-Z0-9-]+`

credentialProviderVendor

The vendor of the OAuth2 credential provider.

Type: String

Valid Values: `Google0auth2` | `Github0auth2` | `Slack0auth2` | `Salesforce0auth2` | `Microsoft0auth2` | `Custom0auth2`

lastUpdatedTime

The timestamp when the OAuth2 credential provider was last updated.

Type: Timestamp

name

The name of the OAuth2 credential provider.

Type: String

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

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

oauth2ProviderConfigOutput

The configuration output for the OAuth2 provider.

Type: [OAuth2ProviderConfigOutput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

UpdateWorkloadIdentity

Updates an existing workload identity.

Request Syntax

```
POST /identities/UpdateWorkloadIdentity HTTP/1.1
Content-type: application/json

{
  "allowedResourceOauth2ReturnUrls": [ "string" ],
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[allowedResourceOauth2ReturnUrls](#)

The new list of allowed OAuth2 return URLs for resources associated with this workload identity. This list replaces the existing list.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

Required: No

[name](#)

The name of the workload identity to update.

Type: String

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

Pattern: [A-Za-z0-9_.-]+

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "allowedResourceOauth2ReturnUrls": [ "string" ],
  "createdTime": number,
  "lastUpdatedTime": number,
  "name": "string",
  "workloadIdentityArn": "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.

[allowedResourceOauth2ReturnUrls](#)

The list of allowed OAuth2 return URLs for resources associated with this workload identity.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \w+:(\/?\/?)[^\s]+

[createdTime](#)

The timestamp when the workload identity was created.

Type: Timestamp

[lastUpdatedTime](#)

The timestamp when the workload identity was last updated.

Type: Timestamp

name

The name of the workload identity.

Type: String

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

Pattern: [A-Za-z0-9_.-]+

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerError

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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

Data Types

The Amazon Bedrock Agent Core Control Plane Fronting Layer 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:

- [Agent](#)
- [AgentArtifact](#)
- [AgentEndpoint](#)
- [ApiKeyCredentialProvider](#)
- [ApiKeyCredentialProviderItem](#)
- [ApiSchemaConfiguration](#)
- [AuthorizerConfiguration](#)
- [BrowserNetworkConfiguration](#)
- [BrowserSummary](#)
- [CodeInterpreterNetworkConfiguration](#)
- [CodeInterpreterSummary](#)
- [ConsolidationConfiguration](#)
- [ContainerConfiguration](#)
- [CredentialProvider](#)
- [CredentialProviderConfiguration](#)
- [CustomConfigurationInput](#)
- [CustomConsolidationConfiguration](#)
- [CustomConsolidationConfigurationInput](#)
- [CustomExtractionConfiguration](#)
- [CustomExtractionConfigurationInput](#)

- [CustomJWTAuthorizerConfiguration](#)
- [CustomMemoryStrategyInput](#)
- [CustomOauth2ProviderConfigInput](#)
- [CustomOauth2ProviderConfigOutput](#)
- [DeleteMemoryStrategyInput](#)
- [ExtractionConfiguration](#)
- [GatewayProtocolConfiguration](#)
- [GatewaySummary](#)
- [GithubOauth2ProviderConfigInput](#)
- [GithubOauth2ProviderConfigOutput](#)
- [GoogleOauth2ProviderConfigInput](#)
- [GoogleOauth2ProviderConfigOutput](#)
- [KmsConfiguration](#)
- [MCPGatewayConfiguration](#)
- [McpLambdaTargetConfiguration](#)
- [McpTargetConfiguration](#)
- [Memory](#)
- [MemoryStrategy](#)
- [MemoryStrategyInput](#)
- [MemorySummary](#)
- [MicrosoftOauth2ProviderConfigInput](#)
- [MicrosoftOauth2ProviderConfigOutput](#)
- [ModifyConsolidationConfiguration](#)
- [ModifyExtractionConfiguration](#)
- [ModifyMemoryStrategies](#)
- [ModifyMemoryStrategyInput](#)
- [ModifyStrategyConfiguration](#)
- [NetworkConfiguration](#)
- [Oauth2AuthorizationServerMetadata](#)
- [Oauth2CredentialProviderItem](#)

- [OAuth2Discovery](#)
- [OAuth2ProviderConfigInput](#)
- [OAuth2ProviderConfigOutput](#)
- [OAuthCredentialProvider](#)
- [ProtocolConfiguration](#)
- [RecordingConfig](#)
- [S3Configuration](#)
- [S3Location](#)
- [SalesforceOAuth2ProviderConfigInput](#)
- [SalesforceOAuth2ProviderConfigOutput](#)
- [SchemaDefinition](#)
- [Secret](#)
- [SemanticConsolidationOverride](#)
- [SemanticExtractionOverride](#)
- [SemanticMemoryStrategyInput](#)
- [SemanticOverrideConfigurationInput](#)
- [SemanticOverrideConsolidationConfigurationInput](#)
- [SemanticOverrideExtractionConfigurationInput](#)
- [SlackOAuth2ProviderConfigInput](#)
- [SlackOAuth2ProviderConfigOutput](#)
- [StrategyConfiguration](#)
- [SummaryConsolidationOverride](#)
- [SummaryMemoryStrategyInput](#)
- [SummaryOverrideConfigurationInput](#)
- [SummaryOverrideConsolidationConfigurationInput](#)
- [TargetConfiguration](#)
- [TargetSummary](#)
- [ToolDefinition](#)
- [ToolSchema](#)
- [UserPreferenceConsolidationOverride](#)

- [UserPreferenceExtractionOverride](#)
- [UserPreferenceMemoryStrategyInput](#)
- [UserPreferenceOverrideConfigurationInput](#)
- [UserPreferenceOverrideConsolidationConfigurationInput](#)
- [UserPreferenceOverrideExtractionConfigurationInput](#)
- [ValidationExceptionField](#)
- [WorkloadIdentityDetails](#)
- [WorkloadIdentityType](#)

Agent

Contains information about an agent runtime. An agent runtime is the execution environment for a Amazon Bedrock Agent.

Contents

agentRuntimeArn

The Amazon Resource Name (ARN) of the agent runtime.

Type: String

Pattern: `arn:(-[:^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agent/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}:([0-9]{0,4}[1-9][0-9]{0,4})`

Required: Yes

agentRuntimeId

The unique identifier of the agent runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

agentRuntimeName

The name of the agent runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

agentRuntimeVersion

The version of the agent runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: ([1-9][0-9]{0,4})

Required: Yes

description

The description of the agent runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

lastUpdatedAt

The timestamp when the agent runtime was last updated.

Type: Timestamp

Required: Yes

status

The current status of the agent runtime.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AgentArtifact

The artifact of the agent.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

containerConfiguration

The container configuration for the agent artifact.

Type: [ContainerConfiguration](#) 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](#)

AgentEndpoint

Contains information about an agent runtime endpoint. An endpoint provides a way to connect to and interact with an agent runtime.

Contents

agentRuntimeArn

The Amazon Resource Name (ARN) of the agent runtime associated with the endpoint.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agent/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}:([0-9]{0,4}[1-9][0-9]{0,4})`

Required: Yes

agentRuntimeEndpointArn

The Amazon Resource Name (ARN) of the agent runtime endpoint.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:agentEndpoint/[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

createdAt

The timestamp when the agent runtime endpoint was created.

Type: Timestamp

Required: Yes

id

The unique identifier of the agent runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

lastUpdatedAt

The timestamp when the agent runtime endpoint was last updated.

Type: Timestamp

Required: Yes

name

The name of the agent runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

status

The current status of the agent runtime endpoint.

Type: String

Valid Values: CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING

Required: Yes

description

The description of the agent runtime endpoint.

Type: String

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

Required: No

liveVersion

The live version of the agent runtime endpoint. This is the version that is currently serving requests.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: ([1-9][0-9]{0,4})

Required: No

targetVersion

The target version of the agent runtime endpoint. This is the version that the endpoint is being updated to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: ([1-9][0-9]{0,4})

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](#)

ApiKeyCredentialProvider

An API key credential provider for gateway authentication. This structure contains the configuration for authenticating with the target endpoint using an API key.

Contents

providerArn

The Amazon Resource Name (ARN) of the API key credential provider. This ARN identifies the provider in AWS.

Type: String

Pattern: `arn:(^[^:]*):([^\:]*):([^\:]*):([0-9]{12})?:(.+)`

Required: Yes

credentialLocation

The location of the API key credential. This field specifies where in the request the API key should be placed.

Type: String

Valid Values: `HEADER` | `QUERY_PARAMETER`

Required: No

credentialParameterName

The name of the credential parameter for the API key. This parameter name is used when sending the API key to the target endpoint.

Type: String

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

Required: No

credentialPrefix

The prefix for the API key credential. This prefix is added to the API key when sending it to the target endpoint.

Type: String

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

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ApiKeyCredentialProviderItem

Contains information about an API key credential provider.

Contents

createdTime

The timestamp when the API key credential provider was created.

Type: Timestamp

Required: Yes

credentialProviderArn

The Amazon Resource Name (ARN) of the API key credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-]+/apikeycredentialprovider/[a-zA-Z0-9-]+`

Required: Yes

lastUpdatedTime

The timestamp when the API key credential provider was last updated.

Type: Timestamp

Required: Yes

name

The name of the API key credential provider.

Type: String

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

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

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ApiSchemaConfiguration

Configuration for API schema.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

inlinePayload

The inline payload containing the API schema definition.

Type: String

Required: No

s3

The Amazon S3 configuration for a gateway. This structure defines how the gateway accesses files in Amazon S3.

Type: [S3Configuration](#) 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](#)

AuthorizerConfiguration

Represents inbound authorization configuration options used to authenticate incoming requests.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

customJWTAuthorizer

The inbound JWT-based authorization, specifying how incoming requests should be authenticated.

Type: [CustomJWTAuthorizerConfiguration](#) 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](#)

BrowserNetworkConfiguration

The network configuration for a browser. This structure defines how the browser connects to the network.

Contents

networkMode

The network mode for the browser. This field specifies how the browser connects to the network.

Type: String

Valid Values: PUBLIC

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

BrowserSummary

Contains summary information about a browser. A browser enables Amazon Bedrock Agent to interact with web content.

Contents

browserArn

The Amazon Resource Name (ARN) of the browser.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):browser(-custom)?/(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

browserId

The unique identifier of the browser.

Type: String

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

createdAt

The timestamp when the browser was created.

Type: Timestamp

Required: Yes

status

The current status of the browser.

Type: String

Valid Values: `CREATING` | `CREATE_FAILED` | `READY` | `DELETING` | `DELETE_FAILED` | `DELETED`

Required: Yes

description

The description of the browser.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

lastUpdatedAt

The timestamp when the browser was last updated.

Type: Timestamp

Required: No

name

The name of the browser.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

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](#)

CodeInterpreterNetworkConfiguration

The network configuration for a code interpreter. This structure defines how the code interpreter connects to the network.

Contents

networkMode

The network mode for the code interpreter. This field specifies how the code interpreter connects to the network.

Type: String

Valid Values: PUBLIC | SANDBOX

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CodeInterpreterSummary

Contains summary information about a code interpreter. A code interpreter enables Amazon Bedrock Agent to execute code.

Contents

codeInterpreterArn

The Amazon Resource Name (ARN) of the code interpreter.

Type: String

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):code-interpreter(-custom)?/(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47})-[a-zA-Z0-9]{10}`

Required: Yes

codeInterpreterId

The unique identifier of the code interpreter.

Type: String

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47})-[a-zA-Z0-9]{10}`

Required: Yes

createdAt

The timestamp when the code interpreter was created.

Type: Timestamp

Required: Yes

status

The current status of the code interpreter.

Type: String

Valid Values: CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED

Required: Yes

description

The description of the code interpreter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

lastUpdatedAt

The timestamp when the code interpreter was last updated.

Type: Timestamp

Required: No

name

The name of the code interpreter.

Type: String

Pattern: [a-zA-Z][a-zA-Z0-9_]{0,47}

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](#)

ConsolidationConfiguration

Contains consolidation configuration information for a memory strategy.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

customConsolidationConfiguration

The custom consolidation configuration.

Type: [CustomConsolidationConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

ContainerConfiguration

Representation of a container configuration.

Contents

containerUri

The ECR URI of the container.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `\d{12}\.dkr\.ecr\.([a-z0-9-]+)\.amazonaws\.com/((?:[a-z0-9]+(?:[._-][a-z0-9]+)*/)*[a-z0-9]+(?:[:[._-][a-z0-9]+]*)?(:@)\S+)`

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CredentialProvider

A credential provider for gateway authentication. This structure contains the configuration for authenticating with the target endpoint.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

apiKeyCredentialProvider

The API key credential provider. This provider uses an API key to authenticate with the target endpoint.

Type: [ApiKeyCredentialProvider](#) object

Required: No

oauthCredentialProvider

The OAuth credential provider. This provider uses OAuth authentication to access the target endpoint.

Type: [OAuthCredentialProvider](#) 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](#)

CredentialProviderConfiguration

The configuration for a credential provider. This structure defines how the gateway authenticates with the target endpoint.

Contents

credentialProviderType

The type of credential provider. This field specifies which authentication method the gateway uses.

Type: String

Valid Values: GATEWAY_IAM_ROLE | OAUTH | API_KEY

Required: Yes

credentialProvider

The credential provider. This field contains the specific configuration for the credential provider type.

Type: [CredentialProvider](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

CustomConfigurationInput

Input for custom configuration of a memory strategy.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

semanticOverride

The semantic override configuration for a custom memory strategy.

Type: [SemanticOverrideConfigurationInput](#) object

Required: No

summaryOverride

The summary override configuration for a custom memory strategy.

Type: [SummaryOverrideConfigurationInput](#) object

Required: No

userPreferenceOverride

The user preference override configuration for a custom memory strategy.

Type: [UserPreferenceOverrideConfigurationInput](#) 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](#)

CustomConsolidationConfiguration

Contains custom consolidation configuration information.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

semanticConsolidationOverride

The semantic consolidation override configuration.

Type: [SemanticConsolidationOverride](#) object

Required: No

summaryConsolidationOverride

The summary consolidation override configuration.

Type: [SummaryConsolidationOverride](#) object

Required: No

userPreferenceConsolidationOverride

The user preference consolidation override configuration.

Type: [UserPreferenceConsolidationOverride](#) 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](#)

CustomConsolidationConfigurationInput

Input for a custom consolidation configuration.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

semanticConsolidationOverride

The semantic consolidation override configuration input.

Type: [SemanticOverrideConsolidationConfigurationInput](#) object

Required: No

summaryConsolidationOverride

The summary consolidation override configuration input.

Type: [SummaryOverrideConsolidationConfigurationInput](#) object

Required: No

userPreferenceConsolidationOverride

The user preference consolidation override configuration input.

Type: [UserPreferenceOverrideConsolidationConfigurationInput](#) 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](#)

CustomExtractionConfiguration

Contains custom extraction configuration information.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

semanticExtractionOverride

The semantic extraction override configuration.

Type: [SemanticExtractionOverride](#) object

Required: No

userPreferenceExtractionOverride

The user preference extraction override configuration.

Type: [UserPreferenceExtractionOverride](#) 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](#)

CustomExtractionConfigurationInput

Input for a custom extraction configuration.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

semanticExtractionOverride

The semantic extraction override configuration input.

Type: [SemanticOverrideExtractionConfigurationInput](#) object

Required: No

userPreferenceExtractionOverride

The user preference extraction override configuration input.

Type: [UserPreferenceOverrideExtractionConfigurationInput](#) 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](#)

CustomJWTAuthorizerConfiguration

Configuration for inbound JWT-based authorization, specifying how incoming requests should be authenticated.

Contents

discoveryUrl

This URL is used to fetch OpenID Connect configuration or authorization server metadata for validating incoming tokens.

Type: String

Pattern: `.+/.well-known/openid-configuration`

Required: Yes

allowedAudience

Represents individual audience values that are validated in the incoming JWT token validation process.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

allowedClients

Represents individual client IDs that are validated in the incoming JWT token validation process.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CustomMemoryStrategyInput

Input for creating a custom memory strategy.

Contents

name

The name of the custom memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

configuration

The configuration for the custom memory strategy.

Type: [CustomConfigurationInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

description

The description of the custom memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

namespaces

The namespaces associated with the custom memory strategy.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[a-zA-Z0-9\-\_\/]*(\{(actorId|sessionId|memoryStrategyId)\}[a-zA-Z0-9\-\_\/]*)*`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CustomOAuth2ProviderConfigInput

Input configuration for a custom OAuth2 provider.

Contents

clientId

The client ID for the custom OAuth2 provider.

Type: String

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

Required: Yes

clientSecret

The client secret for the custom OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

oauthDiscovery

The OAuth2 discovery information for the custom provider.

Type: [OAuth2Discovery](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

CustomOAuth2ProviderConfigOutput

Output configuration for a custom OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the custom provider.

Type: [OAuth2Discovery](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DeleteMemoryStrategyInput

Input for deleting a memory strategy.

Contents

memoryStrategyId

The unique identifier of the memory strategy to delete.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ExtractionConfiguration

Contains extraction configuration information for a memory strategy.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

customExtractionConfiguration

The custom extraction configuration.

Type: [CustomExtractionConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

GatewayProtocolConfiguration

The configuration for a gateway protocol. This structure defines how the gateway communicates with external services.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

mcp

The configuration for the Model Context Protocol (MCP). This protocol enables communication between Amazon Bedrock Agent and external tools.

Type: [MCPGatewayConfiguration](#) 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](#)

GatewaySummary

Contains summary information about a gateway.

Contents

authorizerType

The type of authorizer used by the gateway.

Type: String

Valid Values: CUSTOM_JWT

Required: Yes

createdAt

The timestamp when the gateway was created.

Type: Timestamp

Required: Yes

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: ([0-9a-z][-]){1,100}-[0-9a-z]{10}

Required: Yes

name

The name of the gateway.

Type: String

Pattern: ([0-9a-zA-Z][-]){1,100}

Required: Yes

protocolType

The protocol type used by the gateway.

Type: String

Valid Values: MCP

Required: Yes

status

The current status of the gateway.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

Required: Yes

updatedAt

The timestamp when the gateway was last updated.

Type: Timestamp

Required: Yes

description

The description of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

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](#)

GithubOAuth2ProviderConfigInput

Input configuration for a GitHub OAuth2 provider.

Contents

clientId

The client ID for the GitHub OAuth2 provider.

Type: String

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

Required: Yes

clientSecret

The client secret for the GitHub OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

GithubOAuth2ProviderConfigOutput

Output configuration for a GitHub OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the GitHub provider.

Type: [OAuth2Discovery](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

GoogleOauth2ProviderConfigInput

Input configuration for a Google OAuth2 provider.

Contents

clientId

The client ID for the Google OAuth2 provider.

Type: String

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

Required: Yes

clientSecret

The client secret for the Google OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

GoogleOauth2ProviderConfigOutput

Output configuration for a Google OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the Google provider.

Type: [OAuth2Discovery](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

KmsConfiguration

Contains the KMS configuration for a resource.

Contents

keyType

The type of KMS key (CustomerManagedKey or ServiceManagedKey).

Type: String

Valid Values: CustomerManagedKey | ServiceManagedKey

Required: Yes

kmsKeyArn

The Amazon Resource Name (ARN) of the KMS key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

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](#)

MCPGatewayConfiguration

The configuration for a Model Context Protocol (MCP) gateway. This structure defines how the gateway implements the MCP protocol.

Contents

instructions

The instructions for using the Model Context Protocol gateway. These instructions provide guidance on how to interact with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

searchType

The search type for the Model Context Protocol gateway. This field specifies how the gateway handles search operations.

Type: String

Valid Values: SEMANTIC

Required: No

supportedVersions

The supported versions of the Model Context Protocol. This field specifies which versions of the protocol the gateway can use.

Type: Array of strings

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](#)

McpLambdaTargetConfiguration

The Lambda configuration for a Model Context Protocol target. This structure defines how the gateway uses a Lambda function to communicate with the target.

Contents

lambdaArn

The Amazon Resource Name (ARN) of the Lambda function. This function is invoked by the gateway to communicate with the target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 170.

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:([a-z]{2}(-gov)?-[a-z]+-\d{1}):(\d{12}):function:([a-zA-Z0-9-_.]+)(:(\d{4}|[a-zA-Z0-9-_.]+))?`

Required: Yes

toolSchema

The tool schema for the Lambda function. This schema defines the structure of the tools that the Lambda function provides.

Type: [ToolSchema](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

McpTargetConfiguration

The Model Context Protocol (MCP) configuration for a target. This structure defines how the gateway uses MCP to communicate with the target.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

lambda

The Lambda configuration for the Model Context Protocol target. This configuration defines how the gateway uses a Lambda function to communicate with the target.

Type: [McpLambdaTargetConfiguration](#) object

Required: No

openApiSchema

The OpenAPI schema for the Model Context Protocol target. This schema defines the API structure of the target.

Type: [ApiSchemaConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

smithyModel

The Smithy model for the Model Context Protocol target. This model defines the API structure of the target using the Smithy specification.

Type: [ApiSchemaConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

Memory

Contains information about a memory resource.

Contents

arn

The Amazon Resource Name (ARN) of the memory.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:memory\[a-zA-Z][a-zA-Z0-9-_\]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

createdAt

The timestamp when the memory was created.

Type: Timestamp

Required: Yes

eventExpiryDuration

The number of days after which memory events will expire.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 365.

Required: Yes

id

The unique identifier of the memory.

Type: String

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_\]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

name

The name of the memory.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

status

The current status of the memory.

Type: String

Valid Values: CREATING | ACTIVE | FAILED | DELETING

Required: Yes

updatedAt

The timestamp when the memory was last updated.

Type: Timestamp

Required: Yes

description

The description of the memory.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

encryptionKeyArn

The ARN of the KMS key used to encrypt the memory.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

failureReason

The reason for failure if the memory is in a failed state.

Type: String

Required: No

memoryExecutionRoleArn

The ARN of the IAM role that provides permissions for the memory.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}`

Required: No

strategies

The list of memory strategies associated with this memory.

Type: Array of [MemoryStrategy](#) objects

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MemoryStrategy

Contains information about a memory strategy.

Contents

name

The name of the memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

namespaces

The namespaces associated with the memory strategy.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[a-zA-Z0-9\-\_\/]*(\{(actorId|sessionId|memoryStrategyId)\}[a-zA-Z0-9\-\_\/]*)*`

Required: Yes

strategyId

The unique identifier of the memory strategy.

Type: String

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

type

The type of the memory strategy.

Type: String

Valid Values: SEMANTIC | SUMMARIZATION | USER_PREFERENCE | CUSTOM

Required: Yes

configuration

The configuration of the memory strategy.

Type: [StrategyConfiguration](#) object

Required: No

createdAt

The timestamp when the memory strategy was created.

Type: Timestamp

Required: No

description

The description of the memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

status

The current status of the memory strategy.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Required: No

updatedAt

The timestamp when the memory strategy was last updated.

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](#)

MemoryStrategyInput

Contains input information for creating a memory strategy.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

customMemoryStrategy

Input for creating a custom memory strategy.

Type: [CustomMemoryStrategyInput](#) object

Required: No

semanticMemoryStrategy

Input for creating a semantic memory strategy.

Type: [SemanticMemoryStrategyInput](#) object

Required: No

summaryMemoryStrategy

Input for creating a summary memory strategy.

Type: [SummaryMemoryStrategyInput](#) object

Required: No

userPreferenceMemoryStrategy

Input for creating a user preference memory strategy.

Type: [UserPreferenceMemoryStrategyInput](#) 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](#)

MemorySummary

Contains summary information about a memory resource.

Contents

createdAt

The timestamp when the memory was created.

Type: Timestamp

Required: Yes

updatedAt

The timestamp when the memory was last updated.

Type: Timestamp

Required: Yes

arn

The Amazon Resource Name (ARN) of the memory.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:memory\[a-zA-Z][a-zA-Z0-9-_\]{0,99}-[a-zA-Z0-9]{10}`

Required: No

id

The unique identifier of the memory.

Type: String

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_\]{0,99}-[a-zA-Z0-9]{10}`

Required: No

status

The current status of the memory.

Type: String

Valid Values: CREATING | ACTIVE | FAILED | DELETING

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](#)

MicrosoftOauth2ProviderConfigInput

Input configuration for a Microsoft OAuth2 provider.

Contents

clientId

The client ID for the Microsoft OAuth2 provider.

Type: String

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

Required: Yes

clientSecret

The client secret for the Microsoft OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MicrosoftOauth2ProviderConfigOutput

Output configuration for a Microsoft OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the Microsoft provider.

Type: [OAuth2Discovery](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ModifyConsolidationConfiguration

Contains information for modifying a consolidation configuration.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

customConsolidationConfiguration

The updated custom consolidation configuration.

Type: [CustomConsolidationConfigurationInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

ModifyExtractionConfiguration

Contains information for modifying an extraction configuration.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

customExtractionConfiguration

The updated custom extraction configuration.

Type: [CustomExtractionConfigurationInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

ModifyMemoryStrategies

Contains information for modifying memory strategies.

Contents

addMemoryStrategies

The list of memory strategies to add.

Type: Array of [MemoryStrategyInput](#) objects

Required: No

deleteMemoryStrategies

The list of memory strategies to delete.

Type: Array of [DeleteMemoryStrategyInput](#) objects

Required: No

modifyMemoryStrategies

The list of memory strategies to modify.

Type: Array of [ModifyMemoryStrategyInput](#) objects

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ModifyMemoryStrategyInput

Input for modifying a memory strategy.

Contents

memoryStrategyId

The unique identifier of the memory strategy to modify.

Type: String

Required: Yes

configuration

The updated configuration for the memory strategy.

Type: [ModifyStrategyConfiguration](#) object

Required: No

description

The updated description of the memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

namespaces

The updated namespaces for the memory strategy.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[a-zA-Z0-9\-\_\/]*(\{(actorId|sessionId|memoryStrategyId)\}[a-zA-Z0-9\-\_\/]*)*`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ModifyStrategyConfiguration

Contains information for modifying a strategy configuration.

Contents

consolidation

The updated consolidation configuration.

Type: [ModifyConsolidationConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

extraction

The updated extraction configuration.

Type: [ModifyExtractionConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

NetworkConfiguration

SecurityConfig for the Agent.

Contents

networkMode

The network mode for the AgentCore Runtime.

Type: String

Valid Values: PUBLIC

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

OAuth2AuthorizationServerMetadata

Contains the authorization server metadata for an OAuth2 provider.

Contents

authorizationEndpoint

The authorization endpoint URL for the OAuth2 authorization server.

Type: String

Required: Yes

issuer

The issuer URL for the OAuth2 authorization server.

Type: String

Required: Yes

tokenEndpoint

The token endpoint URL for the OAuth2 authorization server.

Type: String

Required: Yes

responseTypes

The supported response types for the OAuth2 authorization server.

Type: Array of strings

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](#)

Oauth2CredentialProviderItem

Contains information about an OAuth2 credential provider.

Contents

createdTime

The timestamp when the OAuth2 credential provider was created.

Type: Timestamp

Required: Yes

credentialProviderArn

The Amazon Resource Name (ARN) of the OAuth2 credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-\.]+/oauth2credentialprovider/[a-zA-Z0-9-\.]+`

Required: Yes

credentialProviderVendor

The vendor of the OAuth2 credential provider.

Type: String

Valid Values: `Google0auth2` | `Github0auth2` | `Slack0auth2` | `Salesforce0auth2` | `Microsoft0auth2` | `Custom0auth2`

Required: Yes

lastUpdatedTime

The timestamp when the OAuth2 credential provider was last updated.

Type: Timestamp

Required: Yes

name

The name of the OAuth2 credential provider.

Type: String

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

Pattern: [a-zA-Z0-9\-_]+

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Oauth2Discovery

Contains the discovery information for an OAuth2 provider.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

authorizationServerMetadata

The authorization server metadata for the OAuth2 provider.

Type: [OAuth2AuthorizationServerMetadata](#) object

Required: No

discoveryUrl

The discovery URL for the OAuth2 provider.

Type: String

Pattern: `.+/.well-known/openid-configuration`

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](#)

OAuth2ProviderConfigInput

Contains the input configuration for an OAuth2 provider.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

customOAuth2ProviderConfig

The configuration for a custom OAuth2 provider.

Type: [CustomOAuth2ProviderConfigInput](#) object

Required: No

githubOAuth2ProviderConfig

The configuration for a GitHub OAuth2 provider.

Type: [GithubOAuth2ProviderConfigInput](#) object

Required: No

googleOAuth2ProviderConfig

The configuration for a Google OAuth2 provider.

Type: [GoogleOAuth2ProviderConfigInput](#) object

Required: No

microsoftOAuth2ProviderConfig

The configuration for a Microsoft OAuth2 provider.

Type: [MicrosoftOAuth2ProviderConfigInput](#) object

Required: No

salesforceOauth2ProviderConfig

The configuration for a Salesforce OAuth2 provider.

Type: [SalesforceOauth2ProviderConfigInput](#) object

Required: No

slackOauth2ProviderConfig

The configuration for a Slack OAuth2 provider.

Type: [SlackOauth2ProviderConfigInput](#) 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](#)

Oauth2ProviderConfigOutput

Contains the output configuration for an OAuth2 provider.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

customOAuth2ProviderConfig

The output configuration for a custom OAuth2 provider.

Type: [CustomOAuth2ProviderConfigOutput](#) object

Required: No

githubOAuth2ProviderConfig

The output configuration for a GitHub OAuth2 provider.

Type: [GithubOAuth2ProviderConfigOutput](#) object

Required: No

googleOAuth2ProviderConfig

The output configuration for a Google OAuth2 provider.

Type: [GoogleOAuth2ProviderConfigOutput](#) object

Required: No

microsoftOAuth2ProviderConfig

The output configuration for a Microsoft OAuth2 provider.

Type: [MicrosoftOAuth2ProviderConfigOutput](#) object

Required: No

salesforceOauth2ProviderConfig

The output configuration for a Salesforce OAuth2 provider.

Type: [SalesforceOauth2ProviderConfigOutput](#) object

Required: No

slackOauth2ProviderConfig

The output configuration for a Slack OAuth2 provider.

Type: [SlackOauth2ProviderConfigOutput](#) 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](#)

OAuthCredentialProvider

An OAuth credential provider for gateway authentication. This structure contains the configuration for authenticating with the target endpoint using OAuth.

Contents

providerArn

The Amazon Resource Name (ARN) of the OAuth credential provider. This ARN identifies the provider in AWS.

Type: String

Pattern: `arn:(^[^:]*):([^\:]*):([^\:]*):([0-9]{12})?:(.+)`

Required: Yes

scopes

The OAuth scopes for the credential provider. These scopes define the level of access requested from the OAuth provider.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

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

Required: Yes

customParameters

The custom parameters for the OAuth credential provider. These parameters provide additional configuration for the OAuth authentication process.

Type: String to string map

Map Entries: Maximum number of 10 items.

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

Value Length Constraints: Minimum length of 1. Maximum length of 2048.

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](#)

ProtocolConfiguration

The protocol configuration for an agent runtime. This structure defines how the agent runtime communicates with clients.

Contents

serverProtocol

The server protocol for the agent runtime. This field specifies which protocol the agent runtime uses to communicate with clients.

Type: String

Valid Values: MCP | HTTP

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecordingConfig

The recording configuration for a browser. This structure defines how browser sessions are recorded.

Contents

enabled

Indicates whether recording is enabled for the browser. When set to true, browser sessions are recorded.

Type: Boolean

Required: No

s3Location

The Amazon S3 location where browser recordings are stored. This location contains the recorded browser sessions.

Type: [S3Location](#) 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](#)

S3Configuration

The Amazon S3 configuration for a gateway. This structure defines how the gateway accesses files in Amazon S3.

Contents

bucketOwnerAccountId

The account ID of the Amazon S3 bucket owner. This ID is used for cross-account access to the bucket.

Type: String

Pattern: `[0-9]{12}`

Required: No

uri

The URI of the Amazon S3 object. This URI specifies the location of the object in Amazon S3.

Type: String

Pattern: `s3://.{1,2043}`

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](#)

S3Location

The Amazon S3 location for storing data. This structure defines where in Amazon S3 data is stored.

Contents

bucket

The name of the Amazon S3 bucket. This bucket contains the stored data.

Type: String

Pattern: `[a-z0-9][a-z0-9.-]{1,61}[a-z0-9]`

Required: Yes

prefix

The prefix for objects in the Amazon S3 bucket. This prefix is added to the object keys to organize the data.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SalesforceOauth2ProviderConfigInput

Input configuration for a Salesforce OAuth2 provider.

Contents

clientId

The client ID for the Salesforce OAuth2 provider.

Type: String

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

Required: Yes

clientSecret

The client secret for the Salesforce OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SalesforceOAuth2ProviderConfigOutput

Output configuration for a Salesforce OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the Salesforce provider.

Type: [OAuth2Discovery](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SchemaDefinition

A schema definition for a gateway target. This structure defines the structure of the API that the target exposes.

Contents

type

The type of the schema definition. This field specifies the data type of the schema.

Type: String

Valid Values: `string` | `number` | `object` | `array` | `boolean` | `integer`

Required: Yes

description

The description of the schema definition. This description provides information about the purpose and usage of the schema.

Type: String

Required: No

items

The items in the schema definition. This field is used for array types to define the structure of the array elements.

Type: [SchemaDefinition](#) object

Required: No

properties

The properties of the schema definition. These properties define the fields in the schema.

Type: String to [SchemaDefinition](#) object map

Required: No

required

The required fields in the schema definition. These fields must be provided when using the schema.

Type: Array of strings

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](#)

Secret

Contains information about a secret in AWS Secrets Manager.

Contents

secretArn

The Amazon Resource Name (ARN) of the secret in AWS Secrets Manager.

Type: String

Pattern: `arn:(aws|aws-us-gov):secretsmanager:[A-Za-z0-9-]{1,64}:[0-9]{12}:secret:[a-zA-Z0-9-_/+=.@!]+`

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SemanticConsolidationOverride

Contains semantic consolidation override configuration.

Contents

appendToPrompt

The text to append to the prompt for semantic consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for semantic consolidation.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SemanticExtractionOverride

Contains semantic extraction override configuration.

Contents

appendToPrompt

The text to append to the prompt for semantic extraction.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for semantic extraction.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SemanticMemoryStrategyInput

Input for creating a semantic memory strategy.

Contents

name

The name of the semantic memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

description

The description of the semantic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

namespaces

The namespaces associated with the semantic memory strategy.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[a-zA-Z0-9\-\_\/]*(\{(actorId|sessionId|memoryStrategyId)\}[a-zA-Z0-9\-\_\/]*)*`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SemanticOverrideConfigurationInput

Input for semantic override configuration in a memory strategy.

Contents

consolidation

The consolidation configuration for a semantic override.

Type: [SemanticOverrideConsolidationConfigurationInput](#) object

Required: No

extraction

The extraction configuration for a semantic override.

Type: [SemanticOverrideExtractionConfigurationInput](#) 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](#)

SemanticOverrideConsolidationConfigurationInput

Input for semantic override consolidation configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for semantic consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for semantic consolidation.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SemanticOverrideExtractionConfigurationInput

Input for semantic override extraction configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for semantic extraction.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for semantic extraction.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SlackOAuth2ProviderConfigInput

Input configuration for a Slack OAuth2 provider.

Contents

clientId

The client ID for the Slack OAuth2 provider.

Type: String

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

Required: Yes

clientSecret

The client secret for the Slack OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SlackOAuth2ProviderConfigOutput

Output configuration for a Slack OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the Slack provider.

Type: [OAuth2Discovery](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

StrategyConfiguration

Contains configuration information for a memory strategy.

Contents

consolidation

The consolidation configuration for the memory strategy.

Type: [ConsolidationConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

extraction

The extraction configuration for the memory strategy.

Type: [ExtractionConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

type

The type of override for the strategy configuration.

Type: String

Valid Values: SEMANTIC_OVERRIDE | SUMMARY_OVERRIDE |
USER_PREFERENCE_OVERRIDE

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](#)

SummaryConsolidationOverride

Contains summary consolidation override configuration.

Contents

appendToPrompt

The text to append to the prompt for summary consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for summary consolidation.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SummaryMemoryStrategyInput

Input for creating a summary memory strategy.

Contents

name

The name of the summary memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

description

The description of the summary memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

namespaces

The namespaces associated with the summary memory strategy.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[a-zA-Z0-9\-\_\/]*({(actorId|sessionId|memoryStrategyId)\}[a-zA-Z0-9\-\_\/]*)*`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SummaryOverrideConfigurationInput

Input for summary override configuration in a memory strategy.

Contents

consolidation

The consolidation configuration for a summary override.

Type: [SummaryOverrideConsolidationConfigurationInput](#) 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](#)

SummaryOverrideConsolidationConfigurationInput

Input for summary override consolidation configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for summary consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for summary consolidation.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TargetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

mcp

The Model Context Protocol (MCP) configuration for the target. This configuration defines how the gateway uses MCP to communicate with the target.

Type: [McpTargetConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

TargetSummary

Contains summary information about a gateway target. A target represents an endpoint that the gateway can connect to.

Contents

createdAt

The timestamp when the target was created.

Type: Timestamp

Required: Yes

name

The name of the target.

Type: String

Pattern: ([0-9a-zA-Z] [-]?){1,100}

Required: Yes

status

The current status of the target.

Type: String

Valid Values: CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED

Required: Yes

targetId

The unique identifier of the target.

Type: String

Pattern: [0-9a-zA-Z]{10}

Required: Yes

updatedAt

The timestamp when the target was last updated.

Type: Timestamp

Required: Yes

description

The description of the target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

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](#)

ToolDefinition

A tool definition for a gateway target. This structure defines a tool that the target exposes through the Model Context Protocol.

Contents

description

The description of the tool. This description provides information about the purpose and usage of the tool.

Type: String

Required: Yes

inputSchema

The input schema for the tool. This schema defines the structure of the input that the tool accepts.

Type: [SchemaDefinition](#) object

Required: Yes

name

The name of the tool. This name identifies the tool in the Model Context Protocol.

Type: String

Required: Yes

outputSchema

The output schema for the tool. This schema defines the structure of the output that the tool produces.

Type: [SchemaDefinition](#) 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](#)

ToolSchema

A tool schema for a gateway target. This structure defines the schema for a tool that the target exposes through the Model Context Protocol.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

inlinePayload

The inline payload of the tool schema. This payload contains the schema definition directly in the request.

Type: Array of [ToolDefinition](#) objects

Required: No

s3

The Amazon S3 location of the tool schema. This location contains the schema definition file.

Type: [S3Configuration](#) 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](#)

UserPreferenceConsolidationOverride

Contains user preference consolidation override configuration.

Contents

appendToPrompt

The text to append to the prompt for user preference consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for user preference consolidation.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UserPreferenceExtractionOverride

Contains user preference extraction override configuration.

Contents

appendToPrompt

The text to append to the prompt for user preference extraction.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for user preference extraction.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UserPreferenceMemoryStrategyInput

Input for creating a user preference memory strategy.

Contents

name

The name of the user preference memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

description

The description of the user preference memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

namespaces

The namespaces associated with the user preference memory strategy.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[a-zA-Z0-9\-\_\/]*(\{(actorId|sessionId|memoryStrategyId)\}[a-zA-Z0-9\-\_\/]*)*`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UserPreferenceOverrideConfigurationInput

Input for user preference override configuration in a memory strategy.

Contents

consolidation

The consolidation configuration for a user preference override.

Type: [UserPreferenceOverrideConsolidationConfigurationInput](#) object

Required: No

extraction

The extraction configuration for a user preference override.

Type: [UserPreferenceOverrideExtractionConfigurationInput](#) 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](#)

UserPreferenceOverrideConsolidationConfigurationInput

Input for user preference override consolidation configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for user preference consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for user preference consolidation.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UserPreferenceOverrideExtractionConfigurationInput

Input for user preference override extraction configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for user preference extraction.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for user preference extraction.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ValidationExceptionField

Stores information about a field passed inside a request that resulted in an exception.

Contents

message

A message describing why this field failed validation.

Type: String

Required: Yes

name

The name of the field.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

WorkloadIdentityDetails

The information about the workload identity.

Contents

workloadIdentityArn

The ARN associated with the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

WorkloadIdentityType

Contains information about a workload identity.

Contents

name

The name of the workload identity.

Type: String

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

Pattern: [A-Za-z0-9_.-]+

Required: Yes

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key/YYYYMMDD/region/service/aws4_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400