aws

AgentRegistry Control Plane API Reference

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AgentRegistry Control Plane API Reference

Welcome

AWS Agent Registry is a managed catalog for publishing and discovering resources such as MCP servers, agents, and agent skills. Agent Registry Control is its control-plane API: use it to create and manage registries and the records they contain, configure discovery and authorization, govern record approval and curation workflows, and manage automatic detection of resources. Data-plane search and MCP invocation operations are provided by the companion Agent Registry API.

This document was last published on November 17, 2026.

Actions

The following actions are supported:

- CreateRegistry
- CreateRegistryRecord
- DeleteRegistry
- DeleteRegistryRecord
- GetRegistry
- GetRegistryRecord
- ListRegistries
- ListRegistryRecords
- ListTagsForResource
- SubmitRegistryRecordForApproval
- TagResource
- UntagResource
- UpdateRegistry
- UpdateRegistryRecord
- UpdateRegistryRecordStatus

CreateRegistry

Creates a new registry, a catalog that organizes registry records and defines their discovery authorization and record approval behavior. Creation is asynchronous: the registry begins in the CREATING status and becomes usable once it reaches READY.

Request Syntax

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

{
   "approvalConfiguration": {
      "autoApprovalRules": [ "string" ]
   },
   "autoDetectionConfiguration": {
      "enabled": boolean,
      "scope": "string"
   },
   "clientToken": "string",
   "customMetadataSchemaConfiguration": {
      "defaultSchema": "string",
      "recordTypeSchemaOverrides": [
         {
            "recordType": "string",
            "schema": "string"
         }
      ]
   },
   "description": "string",
   "discoveryConfiguration": {
      "authorizerConfiguration": { ... },
      "authorizerType": "string"
   },
   "encryptionConfiguration": {
      "kmsKeyArn": "string"
   },
   "name": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

approvalConfiguration

Approval configuration for registry records

Type: ApprovalConfiguration object

Required: No

autoDetectionConfiguration

The optional auto-detection configuration for the registry. When provided, the registry is automatically populated with resources discovered according to the configuration. Omit this field for registries whose records are managed exclusively through the Agent Registry Control API.

Type: AutoDetectionConfiguration object

Required: No

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, the service 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

customMetadataSchemaConfiguration

The optional custom metadata schema configuration for the registry. When provided, registry records can carry structured metadata validated against this schema.

Type: CustomMetadataSchemaConfiguration object

Required: No

description

The description of the registry

Type: String

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

Required: No

discoveryConfiguration

Discovery configuration for the registry

Type: DiscoveryConfiguration object

Required: No

encryptionConfiguration

The optional server-side encryption configuration for the registry. When you provide this field, the specified customer-managed AWS KMS key encrypts the registry's content. Omit this field to use an AWS-owned encryption key. You cannot change the encryption configuration after registry creation.

Type: EncryptionConfiguration object

Required: No

name

The name of the registry

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: Yes

tags

Tags to associate with the registry

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

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

{
   "registryArn": "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.

registryArn

The ARN of the created registry

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ServiceQuotaExceededException

The request would exceed a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

CreateRegistryRecord

Creates a registry record within a registry. A registry record describes a discoverable resource, such as an MCP server, an agent, an agent skill, or a custom resource. Creation is asynchronous: the record is returned with the CREATING status while it is processed.

Request Syntax

```
POST /registries/registryId/records HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "customMetadata": JSON value,
   "description": "string",
   "descriptors": {
      "a2aAgentCard": {
         "data": "string",
         "dataSchemaVersion": "string",
         "source": {
            "fromUrl": {
               "credentialProviderConfigurations": [
                  {
                     "credentialProvider": { ... },
                     "credentialProviderType": "string"
                  }
               ],
               "url": "string"
            }
         }
      },
      "agentSkillsDefinition": {
         "additionalData": {
            "skillMd": {
               "data": "string",
               "dataSchemaVersion": "string",
               "source": {
                  "fromUrl": {
                     "credentialProviderConfigurations": [
                        {
                           "credentialProvider": { ... },
                           "credentialProviderType": "string"
```

```
                        }
                    ],
                    "url": "string"
                }
            }
        }
    },
    "data": "string",
    "dataSchemaVersion": "string"
},
"agui": {
    "source": {
        "fromUrl": {
            "credentialProviderConfigurations": [
                {
                    "credentialProvider": { ... },
                    "credentialProviderType": "string"
                }
            ],
            "url": "string"
        }
    }
},
"custom": {
    "data": "string"
},
"http": {
    "source": {
        "fromUrl": {
            "credentialProviderConfigurations": [
                {
                    "credentialProvider": { ... },
                    "credentialProviderType": "string"
                }
            ],
            "url": "string"
        }
    }
},
"mcpServer": {
    "additionalData": {
        "tools": {
            "data": "string",
            "dataSchemaVersion": "string"
```

```
            }
         },
         "data": "string",
         "dataSchemaVersion": "string",
         "source": {
            "fromUrl": {
               "credentialProviderConfigurations": [
                  {
                     "credentialProvider": { ... },
                     "credentialProviderType": "string"
                  }
               ],
               "url": "string"
            }
         }
      }
   },
   "displayName": "string",
   "name": "string",
   "provenance": [
      {
         "relation": "string",
         "sourceDetails": { ... },
         "sourceId": "string",
         "sourceType": "string"
      }
   ],
   "recordType": "string",
   "recordVersion": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry in which to create the record (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

Client token for idempotency

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

customMetadata

The custom metadata for the record. Values are strings or JSON booleans.

Type: JSON value

Required: No

description

The description of the registry record

Type: String

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

Required: No

descriptors

The typed descriptor content for the registry record

Type: Descriptors object

Required: Yes

displayName

The human-readable display name of the registry record

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

name

The name of the registry record

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: Yes

provenance

The provenance lineage entries for the registry record. This field is reserved for the AWS Agent Registry auto-detection service principal. Requests that include this field from other callers are rejected.

Type: Array of Provenance objects

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

Required: No

recordType

The type of the registry record, which determines the descriptor format

Type: String

Valid Values: `MCP | AGENT | CUSTOM | SKILL | GATEWAY`

Required: Yes

recordVersion

The version of the registry record

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

Required: No

tags

Tags to associate with the registry record

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

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

{
   "recordArn": "string",
   "status": "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.

recordArn

The ARN of the created registry record

Type: String

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

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

status

The status of the registry record, set to CREATING while the asynchronous workflow is in progress

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would exceed a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

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

DeleteRegistry

Deletes a registry. Deletion is asynchronous: the registry transitions to the DELETING status and is removed along with its registry records.

Request Syntax

```
DELETE /registries/registryId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry to delete (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "status": "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.

status

Current status of the registry, set to DELETING when deletion is initiated

Type: String

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

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

DeleteRegistryRecord

Deletes a registry record

Request Syntax

```
DELETE /registries/registryId/records/recordId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to delete (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

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 Error Types.

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

GetRegistry

Gets a registry by identifier (ARN or ID)

Request Syntax

```
GET /registries/registryId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry to retrieve (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "approvalConfiguration": {
      "autoApprovalRules": [ "string" ]
   },
   "autoDetection": {
      "configuration": {
         "enabled": boolean,
```

```
            "scope": "string"
         },
         "status": "string",
         "statusReason": "string"
      },
      "createdAt": "string",
      "customMetadataSchemaConfiguration": {
         "defaultSchema": "string",
         "recordTypeSchemaOverrides": [
            {
               "recordType": "string",
               "schema": "string"
            }
         ]
      },
      "description": "string",
      "discoveryConfiguration": {
         "authorizerConfiguration": { ... },
         "authorizerType": "string"
      },
      "encryptionConfiguration": {
         "kmsKeyArn": "string"
      },
      "name": "string",
      "registryArn": "string",
      "registryId": "string",
      "status": "string",
      "statusReason": "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.

approvalConfiguration

Approval configuration for registry records

Type: ApprovalConfiguration object

autoDetection

The registry's auto-detection properties, including the requested configuration and the current detection status. Present only when auto-detection was configured for the registry.

Type: AutoDetection object

createdAt

The timestamp when the registry was created

Type: Timestamp

customMetadataSchemaConfiguration

The custom metadata schema configuration for this registry, if one has been defined.

Type: CustomMetadataSchemaConfiguration object

description

The description of the registry

Type: String

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

discoveryConfiguration

Discovery configuration for the registry

Type: DiscoveryConfiguration object

encryptionConfiguration

The server-side encryption configuration for the registry. Appears only when a customer-managed AWS KMS key encrypts the registry.

Type: EncryptionConfiguration object

name

The name of the registry

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

registryArn

The ARN of the registry

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

registryId

The unique identifier of the registry

Type: String

Length Constraints: Minimum length of 12. Maximum length of 16.

Pattern: `[a-zA-Z0-9]{12,16}`

status

Current status of the registry

Type: String

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

statusReason

The reason for the current status. Typically populated when the status indicates a failure state.

Type: String

updatedAt

The timestamp when the registry was last updated

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

GetRegistryRecord

Retrieves the details of a registry record

Request Syntax

```
GET /registries/registryId/records/recordId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to retrieve (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "createdAt": "string",
   "createdBy": "string",
   "createdByAutoDetection": boolean,
   "customMetadata": JSON value,
   "customMetadataSchemaComplianceStatus": "string",
   "description": "string",
   "descriptors": {
      "a2aAgentCard": {
         "data": "string",
         "dataSchemaVersion": "string",
         "source": {
            "fromUrl": {
               "credentialProviderConfigurations": [
                  {
                     "credentialProvider": { ... },
                     "credentialProviderType": "string"
                  }
               ],
               "url": "string"
            }
         }
      },
      "agentSkillsDefinition": {
         "additionalData": {
            "skillMd": {
               "data": "string",
               "dataSchemaVersion": "string",
               "source": {
                  "fromUrl": {
                     "credentialProviderConfigurations": [
                        {
                           "credentialProvider": { ... },
                           "credentialProviderType": "string"
                        }
                     ],
                     "url": "string"
                  }
               }
            }
         },
         "data": "string",
         "dataSchemaVersion": "string"
```

```
      },
      "agui": {
         "source": {
            "fromUrl": {
               "credentialProviderConfigurations": [
                  {
                     "credentialProvider": { ... },
                     "credentialProviderType": "string"
                  }
               ],
               "url": "string"
            }
         }
      },
      "custom": {
         "data": "string"
      },
      "http": {
         "source": {
            "fromUrl": {
               "credentialProviderConfigurations": [
                  {
                     "credentialProvider": { ... },
                     "credentialProviderType": "string"
                  }
               ],
               "url": "string"
            }
         }
      },
      "mcpServer": {
         "additionalData": {
            "tools": {
               "data": "string",
               "dataSchemaVersion": "string"
            }
         },
         "data": "string",
         "dataSchemaVersion": "string",
         "source": {
            "fromUrl": {
               "credentialProviderConfigurations": [
                  {
                     "credentialProvider": { ... },
```

```
                    "credentialProviderType": "string"
                }
            ],
            "url": "string"
        }
      }
    }
  },
  "displayName": "string",
  "name": "string",
  "provenance": [
    {
      "relation": "string",
      "sourceDetails": { ... },
      "sourceId": "string",
      "sourceType": "string"
    }
  ],
  "recordArn": "string",
  "recordId": "string",
  "recordType": "string",
  "recordVersion": "string",
  "registryArn": "string",
  "status": "string",
  "statusReason": "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 registry record was created.

Type: Timestamp

createdBy

The ID of the AWS account that created the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

createdByAutoDetection

Specifies whether the registry record was created by auto-detection. `true` indicates the record was automatically created by the service based on the registry's auto-detection configuration; `false` indicates the record was created through a control-plane API call.

Type: Boolean

customMetadata

The custom metadata attached to this registry record. Values are strings (maximum 128 characters) or booleans.

Type: JSON value

customMetadataSchemaComplianceStatus

Indicates whether this record's custom metadata conforms to the registry's current schema. This status is computed at read time against the latest schema.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT`

description

A description of the registry record.

Type: String

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

descriptors

The typed descriptors that define the content of the registry record.

Type: Descriptors object

displayName

The human-readable display name of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

name

The name of the registry record. Names are unique within a registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

provenance

The provenance lineage entries for the registry record. Populated for records created by auto-detection; each entry identifies the upstream source that the record was detected from.

Type: Array of Provenance objects

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

recordArn

The Amazon Resource Name (ARN) of the registry record.

Type: String

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

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

recordId

The unique identifier of the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

recordType

The type of the registry record, such as MCP, AGENT, SKILL, or CUSTOM.

Type: String

Valid Values: `MCP | AGENT | CUSTOM | SKILL | GATEWAY`

recordVersion

The version identifier of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

registryArn

The Amazon Resource Name (ARN) of the parent registry that owns the record.

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

status

The lifecycle status of the registry record.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

statusReason

The reason for the current status. Typically populated when the status indicates a failure state.

Type: String

updatedAt

The timestamp when the registry record was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

ListRegistries

Lists the registries in the caller's account and Region, with optional filtering by status and discovery authorizer type

Request Syntax

```
POST /registries-list HTTP/1.1
Content-type: application/json

{
   "filters": [
      {
         "name": "string",
         "values": [ "string" ]
      }
   ],
   "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.

filters

Filters to apply to the registry list

Type: Array of RegistryFilter objects

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

Required: No

maxResults

Maximum number of results to return

Type: Integer

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

Required: No

nextToken

Token for pagination

Type: String

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

Pattern: \S*

Required: No

Response Syntax

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

{
   "nextToken": "string",
   "registries": [
      {
         "autoDetection": {
            "configuration": {
               "enabled": boolean,
               "scope": "string"
            },
            "status": "string",
            "statusReason": "string"
         },
         "createdAt": "string",
         "description": "string",
         "discoveryConfiguration": {
            "authorizerConfiguration": { ... },
            "authorizerType": "string"
         },
         "name": "string",
         "registryArn": "string",
```

```
            "registryId": "string",
            "status": "string",
            "statusReason": "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.

nextToken

Token for next page of results

Type: String

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

Pattern: \S*

registries

List of registry summaries

Type: Array of RegistrySummary objects

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

ListRegistryRecords

Lists the registry records within a registry, with optional filtering by name, status, and record type

Request Syntax

```
POST /registries/registryId/records-list HTTP/1.1
Content-type: application/json

{
   "filters": [
      {
         "name": "string",
         "values": [ "string" ]
      }
   ],
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry to list records from (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

filters

Filters to apply to the registry record list

Type: Array of RegistryRecordFilter objects

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

Required: No

maxResults

Maximum number of records to return

Type: Integer

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

Required: No

nextToken

Token for pagination

Type: String

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

Pattern: \S*

Required: No

Response Syntax

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

{
   "nextToken": "string",
   "registryRecords": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "createdByAutoDetection": boolean,
         "customMetadataSchemaComplianceStatus": "string",
         "description": "string",
         "displayName": "string",
         "name": "string",
```

```
         "provenanceSummaryList": [
            {
               "relation": "string",
               "sourceId": "string",
               "sourceType": "string"
            }
         ],
         "recordArn": "string",
         "recordId": "string",
         "recordType": "string",
         "recordVersion": "string",
         "registryArn": "string",
         "status": "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.

nextToken

Token for next page of results

Type: String

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

Pattern: \S*

registryRecords

List of registry record summaries

Type: Array of RegistryRecordSummary objects

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

ListTagsForResource

Lists the tags associated with the specified AWS Agent Registry resource. Returns the current tag key-value pairs on the resource.

Request Syntax

```
GET /tags/resourceArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource to list tags for. Supported resources include registries and registry records.

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

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

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

tags

The tags currently associated with the resource, as a map of tag keys to tag values.

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 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

SubmitRegistryRecordForApproval

Submits a DRAFT registry record for approval, moving it into the registry's approval workflow. Depending on the registry's approval configuration, the record is either auto-approved or set to PENDING_APPROVAL for a curator to approve or reject.

Request Syntax

```
POST /registries/registryId/records/recordId/submit-for-approval HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to submit for approval (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "recordArn": "string",
   "recordId": "string",
   "registryArn": "string",
   "status": "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.

recordArn

The ARN of the registry record

Type: String

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

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

recordId

The ID of the registry record

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

registryArn

The ARN of the registry

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

status

The resulting status of the registry record

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

updatedAt

The timestamp when the record was last updated

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

AgentRegistry Control Plane API Reference

TagResource

Adds or overwrites one or more tags for the specified AWS Agent Registry resource. Tags are key-value pairs that you can use to categorize and manage AWS resources. If a tag with the same key already exists on the resource, the service replaces its value with the value you specify.

Request Syntax

```
POST /tags/resourceArn+ HTTP/1.1
Content-type: application/json

{
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource to tag. Supported resources include registries and registry records.

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The tags to apply to the resource, as a map of tag keys to tag values. Tag keys must be unique within the request.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would exceed a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

AgentRegistry Control Plane API Reference

UntagResource

Removes one or more tags from the specified AWS Agent Registry resource. The operation removes only the tags whose keys you supply; other tags on the resource remain unchanged.

Request Syntax

```
DELETE /tags/resourceArn+?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource to remove tags from. Supported resources include registries and registry records.

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

tagKeys

The keys of the tags to remove from the resource. Tags with keys not included in this list remain on the resource.

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

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

Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

UpdateRegistry

Updates an existing registry. This operation uses PATCH semantics: specify only the fields you want to change, and omit the rest to leave them unchanged. Updates are applied asynchronously and the registry transitions to the UPDATING status while they are processed.

Request Syntax

```
PATCH /registries/registryId HTTP/1.1
Content-type: application/json

{
   "approvalConfiguration": {
      "optionalValue": {
         "autoApprovalRules": [ "string" ]
      }
   },
   "autoDetectionConfiguration": {
      "optionalValue": {
         "enabled": boolean,
         "scope": "string"
      }
   },
   "customMetadataSchemaConfiguration": {
      "optionalValue": {
         "defaultSchema": "string",
         "recordTypeSchemaOverrides": [
            {
               "recordType": "string",
               "schema": "string"
            }
         ]
      }
   },
   "description": {
      "optionalValue": "string"
   },
   "discoveryConfiguration": {
      "authorizerConfiguration": {
         "optionalValue": { ... }
      }
   },
```

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

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry to update (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

approvalConfiguration

The updated approval configuration. The change applies only to records that move to PENDING_APPROVAL after the update; records already in PENDING_APPROVAL are unaffected.

Type: UpdatedApprovalConfiguration object

Required: No

autoDetectionConfiguration

The updated auto-detection configuration for the registry, with PATCH semantics. Omit this field to leave the current configuration unchanged. Supply an empty wrapper to unset it. Supply `optionalValue` to replace it.

Type: UpdatedAutoDetectionConfiguration object

Required: No

customMetadataSchemaConfiguration

The new custom metadata schema configuration, which replaces the current one. You can add fields and allowed values, but you can't remove a field or an allowed value, or change a field's type.

Type: UpdatedCustomMetadataSchemaConfiguration object

Required: No

description

The updated description of the registry

Type: UpdatedDescription object

Required: No

discoveryConfiguration

The updated discovery configuration. Changing the discovery authorization can break existing consumers that rely on the previous authorization type.

Type: UpdatedDiscoveryConfiguration object

Required: No

name

The updated name of the registry

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: No

Response Syntax

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

```
{
   "approvalConfiguration": {
      "autoApprovalRules": [ "string" ]
   },
   "autoDetection": {
      "configuration": {
         "enabled": boolean,
         "scope": "string"
      },
      "status": "string",
      "statusReason": "string"
   },
   "createdAt": "string",
   "customMetadataSchemaConfiguration": {
      "defaultSchema": "string",
      "recordTypeSchemaOverrides": [
         {
            "recordType": "string",
            "schema": "string"
         }
      ]
   },
   "description": "string",
   "discoveryConfiguration": {
      "authorizerConfiguration": { ... },
      "authorizerType": "string"
   },
   "encryptionConfiguration": {
      "kmsKeyArn": "string"
   },
   "name": "string",
   "registryArn": "string",
   "registryId": "string",
   "status": "string",
   "statusReason": "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.

approvalConfiguration

Approval configuration for registry records

Type: ApprovalConfiguration object

autoDetection

The registry's auto-detection properties, including the requested configuration and the current detection status. Present only when auto-detection was configured for the registry.

Type: AutoDetection object

createdAt

The timestamp when the registry was created

Type: Timestamp

customMetadataSchemaConfiguration

The custom metadata schema configuration for this registry, if one has been defined.

Type: CustomMetadataSchemaConfiguration object

description

The description of the registry

Type: String

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

discoveryConfiguration

Discovery configuration for the registry

Type: DiscoveryConfiguration object

encryptionConfiguration

The server-side encryption configuration for the registry. Appears only when a customer-managed AWS KMS key encrypts the registry.

Type: EncryptionConfiguration object

name

The name of the registry

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

registryArn

The ARN of the registry

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

registryId

The unique identifier of the registry

Type: String

Length Constraints: Minimum length of 12. Maximum length of 16.

Pattern: `[a-zA-Z0-9]{12,16}`

status

Current status of the registry

Type: String

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

statusReason

The reason for the current status. Typically populated when the status indicates a failure state.

Type: String

updatedAt

The timestamp when the registry was last updated

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would exceed a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

UpdateRegistryRecord

Updates a registry record. The update is asynchronous: the record is returned with the UPDATING status while it is processed. Fields that use update wrappers follow PATCH semantics: omit the field to leave it unchanged.

Request Syntax

```
PATCH /registries/registryId/records/recordId HTTP/1.1
Content-type: application/json

{
   "customMetadata": {
      "optionalValue": JSON value
   },
   "description": {
      "optionalValue": "string"
   },
   "descriptors": {
      "optionalValue": {
         "a2aAgentCard": {
            "optionalValue": {
               "data": {
                  "optionalValue": "string"
               },
               "dataSchemaVersion": {
                  "optionalValue": "string"
               },
               "source": {
                  "optionalValue": {
                     "fromUrl": {
                        "credentialProviderConfigurations": [
                           {
                              "credentialProvider": { ... },
                              "credentialProviderType": "string"
                           }
                        ],
                        "url": "string"
                     }
                  }
               }
            }
```

```
        },
        "agentSkillsDefinition": {
           "optionalValue": {
              "additionalData": {
                 "optionalValue": {
                    "skillMd": {
                       "optionalValue": {
                          "data": {
                             "optionalValue": "string"
                          },
                          "dataSchemaVersion": {
                             "optionalValue": "string"
                          },
                          "source": {
                             "optionalValue": {
                                "fromUrl": {
                                   "credentialProviderConfigurations": [
                                      {
                                         "credentialProvider": { ... },
                                         "credentialProviderType": "string"
                                      }
                                   ],
                                   "url": "string"
                                }
                             }
                          }
                       }
                    }
                 }
              },
              "data": {
                 "optionalValue": "string"
              },
              "dataSchemaVersion": {
                 "optionalValue": "string"
              }
           }
        },
        "agui": {
           "optionalValue": {
              "source": {
                 "optionalValue": {
                    "fromUrl": {
                       "credentialProviderConfigurations": [
```

```
                        {
                           "credentialProvider": { ... },
                           "credentialProviderType": "string"
                        }
                     ],
                     "url": "string"
                  }
               }
            }
         }
      },
      "custom": {
         "optionalValue": {
            "data": {
               "optionalValue": "string"
            }
         }
      },
      "http": {
         "optionalValue": {
            "source": {
               "optionalValue": {
                  "fromUrl": {
                     "credentialProviderConfigurations": [
                        {
                           "credentialProvider": { ... },
                           "credentialProviderType": "string"
                        }
                     ],
                     "url": "string"
                  }
               }
            }
         }
      },
      "mcpServer": {
         "optionalValue": {
            "additionalData": {
               "optionalValue": {
                  "tools": {
                     "optionalValue": {
                        "data": {
                           "optionalValue": "string"
                        },
```

```
                        "dataSchemaVersion": {
                           "optionalValue": "string"
                        }
                     }
                  }
               }
            },
            "data": {
               "optionalValue": "string"
            },
            "dataSchemaVersion": {
               "optionalValue": "string"
            },
            "source": {
               "optionalValue": {
                  "fromUrl": {
                     "credentialProviderConfigurations": [
                        {
                           "credentialProvider": { ... },
                           "credentialProviderType": "string"
                        }
                     ],
                     "url": "string"
                  }
               }
            }
         }
      }
   },
   "displayName": {
      "optionalValue": "string"
   },
   "name": "string",
   "provenance": [
      {
         "relation": "string",
         "sourceDetails": { ... },
         "sourceId": "string",
         "sourceType": "string"
      }
   ],
   "recordType": "string",
   "recordVersion": "string",
```

```
   "triggerSynchronization": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to update (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

customMetadata

The updated custom metadata for the registry record. Values can be strings (maximum 128 characters) or native JSON booleans (`true` or `false`). Omit to leave the existing metadata unchanged. Supply the wrapper with a full replacement set to update, or with a null value to clear all metadata.

Type: UpdatedCustomMetadataMap object

Required: No

description

The updated description of the registry record. Omit to leave the description unchanged; provide an empty wrapper to unset it.

Type: UpdatedDescription object

Required: No

descriptors

The updated typed descriptor content for the registry record. Omit to leave the descriptors unchanged.

Type: UpdatedDescriptors object

Required: No

displayName

The updated display name of the registry record. Omit to leave the display name unchanged; provide an empty wrapper to unset it.

Type: UpdatedDisplayName object

Required: No

name

The updated name of the registry record. Omit to leave the name unchanged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: No

provenance

The provenance lineage re-assertion for the registry record. This field is reserved for the AWS Agent Registry auto-detection service principal. Requests that include this field from other callers are rejected. The source identity of an existing lineage is immutable; a re-assertion may only refresh the source details.

Type: Array of Provenance objects

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

Required: No

recordType

The updated type of the registry record. Omit to leave the record type unchanged.

Type: String

Valid Values: `MCP | AGENT | CUSTOM | SKILL | GATEWAY`

Required: No

recordVersion

The updated version of the registry record. Omit to leave the version unchanged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

Required: No

triggerSynchronization

Whether to trigger synchronization of the record's descriptor content from its source

Type: Boolean

Required: No

Response Syntax

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

{
   "createdAt": "string",
   "createdBy": "string",
   "createdByAutoDetection": boolean,
   "customMetadata": JSON value,
   "customMetadataSchemaComplianceStatus": "string",
   "description": "string",
```

```
   "descriptors": {
      "a2aAgentCard": {
         "data": "string",
         "dataSchemaVersion": "string",
         "source": {
            "fromUrl": {
               "credentialProviderConfigurations": [
                  {
                     "credentialProvider": { ... },
                     "credentialProviderType": "string"
                  }
               ],
               "url": "string"
            }
         }
      },
      "agentSkillsDefinition": {
         "additionalData": {
            "skillMd": {
               "data": "string",
               "dataSchemaVersion": "string",
               "source": {
                  "fromUrl": {
                     "credentialProviderConfigurations": [
                        {
                           "credentialProvider": { ... },
                           "credentialProviderType": "string"
                        }
                     ],
                     "url": "string"
                  }
               }
            }
         },
         "data": "string",
         "dataSchemaVersion": "string"
      },
      "agui": {
         "source": {
            "fromUrl": {
               "credentialProviderConfigurations": [
                  {
                     "credentialProvider": { ... },
                     "credentialProviderType": "string"
```

```
                }
             ],
             "url": "string"
          }
       }
    },
    "custom": {
       "data": "string"
    },
    "http": {
       "source": {
          "fromUrl": {
             "credentialProviderConfigurations": [
                {
                   "credentialProvider": { ... },
                   "credentialProviderType": "string"
                }
             ],
             "url": "string"
          }
       }
    },
    "mcpServer": {
       "additionalData": {
          "tools": {
             "data": "string",
             "dataSchemaVersion": "string"
          }
       },
       "data": "string",
       "dataSchemaVersion": "string",
       "source": {
          "fromUrl": {
             "credentialProviderConfigurations": [
                {
                   "credentialProvider": { ... },
                   "credentialProviderType": "string"
                }
             ],
             "url": "string"
          }
       }
    }
 },
```

```
   "displayName": "string",
   "name": "string",
   "provenance": [
      {
         "relation": "string",
         "sourceDetails": { ... },
         "sourceId": "string",
         "sourceType": "string"
      }
   ],
   "recordArn": "string",
   "recordId": "string",
   "recordType": "string",
   "recordVersion": "string",
   "registryArn": "string",
   "status": "string",
   "statusReason": "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 registry record was created.

Type: Timestamp

createdBy

The ID of the AWS account that created the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

createdByAutoDetection

Specifies whether the registry record was created by auto-detection. `true` indicates the record was automatically created by the service based on the registry's auto-detection configuration; `false` indicates the record was created through a control-plane API call.

Type: Boolean

customMetadata

The custom metadata attached to this registry record. Values are strings (maximum 128 characters) or booleans.

Type: JSON value

customMetadataSchemaComplianceStatus

Indicates whether this record's custom metadata conforms to the registry's current schema. This status is computed at read time against the latest schema.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT`

description

A description of the registry record.

Type: String

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

descriptors

The typed descriptors that define the content of the registry record.

Type: Descriptors object

displayName

The human-readable display name of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

name

The name of the registry record. Names are unique within a registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

provenance

The provenance lineage entries for the registry record. Populated for records created by auto-detection; each entry identifies the upstream source that the record was detected from.

Type: Array of Provenance objects

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

recordArn

The Amazon Resource Name (ARN) of the registry record.

Type: String

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

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

recordId

The unique identifier of the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

recordType

The type of the registry record, such as MCP, AGENT, SKILL, or CUSTOM.

Type: String

Valid Values: `MCP | AGENT | CUSTOM | SKILL | GATEWAY`

recordVersion

The version identifier of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

registryArn

The Amazon Resource Name (ARN) of the parent registry that owns the record.

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

status

The lifecycle status of the registry record.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

statusReason

The reason for the current status. Typically populated when the status indicates a failure state.

Type: String

updatedAt

The timestamp when the registry record was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

UpdateRegistryRecordStatus

Updates the status of a registry record as part of the registry's curation workflow, for example to approve or reject a record that is pending approval, or to deprecate an approved record so that it is no longer discoverable

Request Syntax

```
PATCH /registries/registryId/records/recordId/status HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to update the status of (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record (ARN or ID)

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

Pattern: `(arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

status

The target status for the registry record

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

Required: Yes

statusReason

The reason for the status change, for example why the record was approved, rejected, or deprecated

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: Yes

Response Syntax

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

{
   "recordArn": "string",
   "recordId": "string",
   "registryArn": "string",
   "status": "string",
   "statusReason": "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.

recordArn

The ARN of the registry record

Type: String

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

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

recordId

The ID of the registry record

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

registryArn

The ARN of the registry

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

status

The resulting status of the registry record

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

statusReason

The reason for the status change

Type: String

updatedAt

The timestamp when the record was last updated

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform the requested action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request failed due to an unexpected internal error; the caller may retry.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling; the caller may retry after a delay.

HTTP Status Code: 429

ValidationException

The request failed validation of one or more input fields.

fieldList

The list of input fields that failed validation.

reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

Data Types

The Agent Registry Control 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:

- A2aAgentCardDescriptor
- AgentCoreGatewaySourceDetails
- AgentCoreRuntimeProtocolConfiguration
- AgentCoreRuntimeSourceDetails
- AgentSkillsAdditionalData
- AgentSkillsDefinitionDescriptor
- AgentSkillsMdDescriptor
- AgUiDescriptor
- ApprovalConfiguration
- AuthorizerConfiguration
- AuthorizingClaimMatchValueType
- AutoDetection
- AutoDetectionConfiguration
- ClaimMatchValueType
- CustomClaimValidationType
- CustomDescriptor
- CustomJWTAuthorizerConfiguration
- CustomMetadataSchemaConfiguration
- Descriptors
- DescriptorSource

- DescriptorSourceFromUrl
- DiscoveryConfiguration
- EncryptionConfiguration
- HttpDescriptor
- ManagedVpcResource
- McpServerAdditionalData
- McpServerDescriptor
- McpToolsDescriptor
- PrivateEndpoint
- PrivateEndpointOverride
- Provenance
- ProvenanceSummary
- RecordTypeSchemaOverride
- RegistryFilter
- RegistryRecordCredentialProviderConfiguration
- RegistryRecordCredentialProviderUnion
- RegistryRecordFilter
- RegistryRecordIamCredentialProvider
- RegistryRecordOAuthCredentialProvider
- RegistryRecordSummary
- RegistrySummary
- SelfManagedLatticeResource
- SourceDetails
- UpdatedA2aAgentCardDescriptor
- UpdatedA2aAgentCardDescriptorFields
- UpdatedAgentSkillsAdditionalData
- UpdatedAgentSkillsAdditionalDataFields
- UpdatedAgentSkillsDefinitionDescriptor
- UpdatedAgentSkillsDefinitionDescriptorFields
- UpdatedAgentSkillsMdDescriptor

- UpdatedAgentSkillsMdDescriptorFields
- UpdatedAgUiDescriptor
- UpdatedAgUiDescriptorFields
- UpdatedApprovalConfiguration
- UpdatedAuthorizerConfiguration
- UpdatedAutoDetectionConfiguration
- UpdatedCustomDescriptor
- UpdatedCustomDescriptorFields
- UpdatedCustomMetadataMap
- UpdatedCustomMetadataSchemaConfiguration
- UpdatedDataSchemaVersion
- UpdatedDescription
- UpdatedDescriptorData
- UpdatedDescriptors
- UpdatedDescriptorsFields
- UpdatedDescriptorSource
- UpdatedDiscoveryConfiguration
- UpdatedDisplayName
- UpdatedHttpDescriptor
- UpdatedHttpDescriptorFields
- UpdatedMcpServerAdditionalData
- UpdatedMcpServerAdditionalDataFields
- UpdatedMcpServerDescriptor
- UpdatedMcpServerDescriptorFields
- UpdatedMcpToolsDescriptor
- UpdatedMcpToolsDescriptorFields
- ValidationExceptionField
- WorkloadIdentityDetails

A2aAgentCardDescriptor

Descriptor that defines the content of an A2A (Agent-to-Agent) agent card registry record. The content is validated against the A2A protocol schema.

Contents

data

The A2A agent card content, serialized as descriptor payload data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

dataSchemaVersion

The schema version of the descriptor payload.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

source

The optional source configuration used to synchronize the A2A agent card descriptor content.

Type: DescriptorSource 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

AgentCoreGatewaySourceDetails

The source details for a registry record that was auto-detected from an Amazon Bedrock AgentCore Gateway resource.

Contents

authorizerConfiguration

The authorizer configuration for a registry. Exactly one member is set.

Type: AuthorizerConfiguration object

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

Required: No

authorizerType

The type of authorizer configured on the AgentCore Gateway resource that the registry record was detected from.

Type: String

Required: No

protocolType

The protocol type of the AgentCore Gateway resource that the registry record was detected from, for example `MCP`.

Type: String

Valid Values: `MCP`

Required: No

workloadIdentityDetails

The workload identity details for the AgentCore Gateway resource. Present when the gateway has a workload identity configured.

Type: WorkloadIdentityDetails 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

AgentCoreRuntimeProtocolConfiguration

The protocol configuration of an AgentCore Runtime resource that a registry record was auto-detected from.

Contents

serverProtocol

The server protocol used by the AgentCore Runtime, such as `MCP`, `HTTP`, `A2A`, or `AGUI`.

Type: String

Valid Values: `HTTP | A2A | MCP | AGUI`

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

AgentCoreRuntimeSourceDetails

The source details for a registry record that was auto-detected from an Amazon Bedrock AgentCore Runtime resource.

Contents

authorizerConfiguration

The authorizer configuration for a registry. Exactly one member is set.

Type: AuthorizerConfiguration object

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

Required: No

protocolConfiguration

The protocol configuration of the AgentCore Runtime resource that the registry record was detected from.

Type: AgentCoreRuntimeProtocolConfiguration object

Required: No

workloadIdentityDetails

The workload identity details for the AgentCore Runtime resource. Present when the runtime has a workload identity configured.

Type: WorkloadIdentityDetails 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

AgentSkillsAdditionalData

Additional data associated with an agent skills definition descriptor.

Contents

skillMd

The markdown skill content associated with an agent skills definition.

Type: AgentSkillsMdDescriptor 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

AgentSkillsDefinitionDescriptor

Descriptor that defines an agent skills registry record and its associated content.

Contents

additionalData

Additional data associated with the agent skills definition descriptor.

Type: AgentSkillsAdditionalData object

Required: No

data

The agent skills definition content, serialized as descriptor payload data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

dataSchemaVersion

The schema version of the descriptor payload.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AgentRegistry Control Plane API Reference

AgentSkillsMdDescriptor

Markdown-format descriptor containing an agent skills document.

Contents

data

The agent skills markdown content, serialized as descriptor payload data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

dataSchemaVersion

The schema version of the descriptor payload.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

source

The optional source configuration used to synchronize the agent skills markdown content.

Type: DescriptorSource 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

AgentRegistry Control Plane API Reference

AgUiDescriptor

A registry record descriptor for the AG-UI (Agent-User Interaction) protocol.

Contents

source

The source configuration that defines where descriptor content is retrieved from.

Type: DescriptorSource 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

ApprovalConfiguration

Configuration for the registry's record approval workflow. Controls whether records submitted for approval require manual review before they become approved and discoverable, or are auto-approved. When no auto-approval rules are configured, submitted records require manual review.

Contents

autoApprovalRules

The rules that determine which registry records are automatically approved on submission. When omitted or empty, submitted records require manual review.

Type: Array of strings

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

Valid Values: APPROVE_ALL

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

The authorizer configuration for a registry. Exactly one member is set.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customJWTAuthorizer

Configuration for a custom JWT authorizer.

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

AuthorizingClaimMatchValueType

The value and match operator used to authorize a claim during JWT validation.

Contents

claimMatchOperator

The operator used to compare the claim value against the expected value.

Type: String

Valid Values: `EQUALS | CONTAINS | CONTAINS_ANY`

Required: Yes

claimMatchValue

The expected value or values that the claim is compared against.

Type: ClaimMatchValueType 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

AutoDetection

The auto-detection properties for a registry, including the requested configuration and the current detection status. When auto-detection is enabled and the scope preconditions are met, the registry is automatically populated with discovered resources.

Contents

configuration

The auto-detection settings that control how resources are discovered for the registry.

Type: AutoDetectionConfiguration object

Required: Yes

status

The current auto-detection status. `ACTIVE` indicates that the registry is actively being populated with detected resources. `INACTIVE` indicates that the preconditions required at the configured scope are not currently met.

Type: String

Valid Values: `ACTIVE | INACTIVE`

Required: Yes

statusReason

A human-readable explanation of the current auto-detection status. Typically populated when the status requires additional context.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AutoDetectionConfiguration

The customer-defined auto-detection settings for a registry.

Contents

enabled

Specifies whether auto-detection is requested for the registry. Setting this to `true` is necessary but not sufficient for auto-detection to become active; the preconditions of the configured scope must also be met.

Type: Boolean

Required: Yes

scope

The source from which resources are detected. For example, `ORGANIZATION` sources resources from all member accounts of an AWS organization.

Type: String

Valid Values: `ORGANIZATION`

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

ClaimMatchValueType

The expected value used to match a claim. Exactly one member is set.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

matchValueString

A single string value to match the claim against.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

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

Required: No

matchValueStringList

A list of string values to match the claim against.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[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

CustomClaimValidationType

A validation rule applied to a single claim of an inbound JWT.

Contents

authorizingClaimMatchValue

The value and match operator used to authorize the claim.

Type: AuthorizingClaimMatchValueType object

Required: Yes

inboundTokenClaimName

The name of the claim in the inbound token to validate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

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

Required: Yes

inboundTokenClaimValueType

The value type of the claim in the inbound token, either a string or an array of strings.

Type: String

Valid Values: `STRING | STRING_ARRAY`

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

CustomDescriptor

Custom descriptor for user-defined content

Contents

data

The custom descriptor content, serialized as descriptor payload data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

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 a custom JWT authorizer that validates inbound bearer tokens against an OpenID Connect identity provider.

Contents

discoveryUrl

The OpenID Connect discovery or OAuth 2.0 authorization server metadata URL used to retrieve the identity provider's metadata and signing keys.

Type: String

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

Pattern: `[^\s?#]+/\.well-known/(openid-configuration|oauth-authorization-server)(/[^\s?#]+)?`

Required: Yes

allowedAudience

The audience values accepted during JWT validation. A token is rejected if none of its audience claims match.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

allowedClients

The client identifiers accepted during JWT validation. A token is rejected if it was not issued to one of these clients.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

allowedScopes

The scopes accepted during JWT validation. A token is rejected if it does not carry one of these scopes.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[\x21\x23-\x5B\x5D-\x7E]+`

Required: No

customClaims

Additional custom claim validations applied to the inbound JWT.

Type: Array of CustomClaimValidationType objects

Array Members: Minimum number of 1 item.

Required: No

privateEndpoint

The private endpoint used to reach the identity provider's discovery URL over a private network path.

Type: PrivateEndpoint object

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

Required: No

privateEndpointOverrides

Per-domain private endpoint overrides that route specific identity provider domains through distinct private endpoints.

Type: Array of PrivateEndpointOverride objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

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

CustomMetadataSchemaConfiguration

The custom metadata fields that records in the registry can carry. `defaultSchema` defines the common attributes for every record type, and `recordTypeSchemaOverrides` adds fields for individual record types.

Contents

defaultSchema

A JSON Schema with the common attributes: fields that records of every record type can carry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16384.

Required: No

recordTypeSchemaOverrides

The fields for individual record types. Records of a record type can carry the common attributes defined in `defaultSchema` plus that record type's fields.

Type: Array of RecordTypeSchemaOverride objects

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

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

Descriptors

The typed set of descriptors for a registry record. Exactly one descriptor field is populated based on the record type.

Contents

a2aAgentCard

The A2A agent card descriptor, populated when the record type is AGENT.

Type: A2aAgentCardDescriptor object

Required: No

agentSkillsDefinition

The agent skills definition descriptor, populated when the record type is SKILL.

Type: AgentSkillsDefinitionDescriptor object

Required: No

agui

The AG-UI descriptor, populated for records detected from an AG-UI protocol source.

Type: AgUiDescriptor object

Required: No

custom

The custom descriptor, populated when the record type is CUSTOM.

Type: CustomDescriptor object

Required: No

http

The HTTP descriptor, populated for records detected from an HTTP protocol source.

Type: HttpDescriptor object

Required: No

mcpServer

The MCP server descriptor, populated when the record type is MCP.

Type: McpServerDescriptor 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

DescriptorSource

The source configuration that defines where descriptor content is retrieved from.

Contents

fromUrl

URL-based descriptor source, populated when descriptor content is synchronized from a URL.

Type: DescriptorSourceFromUrl 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

DescriptorSourceFromUrl

URL-based descriptor source configuration, with credential provider configurations for authenticated URL retrieval.

Contents

url

The URL from which the descriptor content is retrieved.

Type: String

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

Pattern: `https://.*`

Required: Yes

credentialProviderConfigurations

The credential providers used to authenticate when fetching descriptor content from the source URL.

Type: Array of RegistryRecordCredentialProviderConfiguration objects

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DiscoveryConfiguration

Discovery configuration for the registry. Controls how consumers are authorized to search the registry and invoke its MCP endpoint.

Contents

authorizerConfiguration

The authorizer configuration for the registry. Required when authorizerType is CUSTOM_JWT.

Type: AuthorizerConfiguration object

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

Required: No

authorizerType

The type of authorizer that controls how consumers access the registry's search and MCP invoke operations.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

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

EncryptionConfiguration

The server-side encryption configuration for a registry. Specifies a customer-managed AWS KMS key used to encrypt the registry's content.

Contents

kmsKeyArn

The Amazon Resource Name (ARN) of the customer-managed AWS KMS key used to encrypt the registry's content. The key must be a symmetric encryption key in the same AWS account and Region as the registry.

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: 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

HttpDescriptor

A registry record descriptor for the HTTP protocol. This descriptor is source-only: its content is synchronized from the configured source URL rather than supplied inline.

Contents

source

The source configuration that defines where descriptor content is retrieved from.

Type: DescriptorSource 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

ManagedVpcResource

A service-managed private endpoint provisioned within a customer VPC.

Contents

endpointIpAddressType

The IP address type used by the private endpoint, either IPV4 or IPV6.

Type: String

Valid Values: `IPV4 | IPV6`

Required: Yes

subnetIds

The identifiers of the subnets in which the private endpoint network interfaces are placed.

Type: Array of strings

Length Constraints: Minimum length of 15. Maximum length of 24.

Pattern: `subnet-[0-9a-zA-Z]{8,17}`

Required: Yes

vpcIdentifier

The identifier of the VPC in which the private endpoint is provisioned.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 48.

Pattern: `vpc-(([0-9a-z]{8})|([0-9a-z]{17}))`

Required: Yes

routingDomain

The routing domain used to resolve traffic through the private endpoint.

Type: String

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

Required: No

securityGroupIds

The identifiers of the security groups associated with the private endpoint network interfaces.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Length Constraints: Minimum length of 10. Maximum length of 48.

Pattern: `sg-(([0-9a-z]{8})|([0-9a-z]{17}))`

Required: No

tags

The tags applied to the service-managed VPC resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

McpServerAdditionalData

Additional data for an MCP server descriptor

Contents

tools

The MCP tools descriptor that defines the tools exposed by the MCP server.

Type: McpToolsDescriptor 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

McpServerDescriptor

Descriptor that defines the content of an MCP (Model Context Protocol) server registry record, including the server definition and its tool definitions. The content is validated against the MCP protocol schema.

Contents

additionalData

Additional data associated with the MCP server descriptor, such as tool definitions.

Type: McpServerAdditionalData object

Required: No

data

The MCP server descriptor content, serialized as descriptor payload data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

dataSchemaVersion

The schema version of the descriptor payload.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

source

The optional source configuration used to synchronize the MCP server descriptor content.

Type: DescriptorSource 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

McpToolsDescriptor

MCP tools descriptor containing tool definitions

Contents

data

The MCP tools descriptor content, serialized as descriptor payload data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

dataSchemaVersion

The schema version of the descriptor payload.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PrivateEndpoint

A private network endpoint used to reach a resource over a private path. Exactly one member is set.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

managedVpcResource

A private endpoint backed by a service-managed VPC resource.

Type: ManagedVpcResource object

Required: No

selfManagedLatticeResource

A private endpoint backed by a self-managed VPC Lattice resource configuration.

Type: SelfManagedLatticeResource 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

PrivateEndpointOverride

A mapping of a domain to the private endpoint used to reach it.

Contents

domain

The domain name to which this private endpoint override applies.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 253.

Required: Yes

privateEndpoint

The private endpoint used to reach the specified domain.

Type: PrivateEndpoint 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

Provenance

A provenance entry that describes the lineage of a registry record. Records that were auto-detected by AWS Agent Registry carry a provenance entry that links the record back to its upstream source.

Contents

relation

The relationship between the registry record and its upstream source. `DETECTED_FROM` indicates that the record was auto-detected from the source resource.

Type: String

Valid Values: `DETECTED_FROM`

Required: Yes

sourceId

The identifier of the upstream source that the registry record was detected from.

Type: String

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

Pattern: `arn:aws(-[^:]+)?:[a-zA-Z0-9-]+:[a-z0-9-]*:[0-9]{12}:.+`

Required: Yes

sourceDetails

Additional details about the upstream source that the registry record was detected from, such as the AgentCore Gateway or Runtime configuration. The populated member corresponds to the source type.

Type: SourceDetails object

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

Required: No

sourceType

The type of the upstream source that the registry record was detected from.

Type: String

Valid Values: `AWS::BedrockAgentCore::Runtime | AWS::BedrockAgentCore::Gateway`

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

ProvenanceSummary

A condensed provenance entry surfaced in list results. Contains the source identity of a lineage entry without the source details returned by `GetRegistryRecord`.

Contents

relation

The relationship between the registry record and its upstream source. `DETECTED_FROM` indicates that the record was auto-detected from the source resource.

Type: String

Valid Values: `DETECTED_FROM`

Required: Yes

sourceId

The identifier of the upstream source that the registry record was detected from.

Type: String

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

Pattern: `arn:aws(-[^:]+)?:[a-zA-Z0-9-]+:[a-z0-9-]*:[0-9]{12}:.+`

Required: Yes

sourceType

The type of the upstream source that the registry record was detected from.

Type: String

Valid Values: `AWS::BedrockAgentCore::Runtime | AWS::BedrockAgentCore::Gateway`

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

RecordTypeSchemaOverride

The custom metadata fields for one record type, in addition to the common attributes defined in `defaultSchema`.

Contents

recordType

The record type these fields apply to.

Type: String

Valid Values: `MCP | AGENT | CUSTOM | SKILL | GATEWAY`

Required: Yes

schema

A JSON Schema with the fields for this record type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16384.

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

RegistryFilter

A single filter applied to a ListRegistries request.

Contents

name

The attribute to filter on

Type: String

Valid Values: `status | discoveryConfiguration.authorizerType`

Required: Yes

values

The values to match for the attribute

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

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

RegistryRecordCredentialProviderConfiguration

A credential provider configuration that specifies how to authenticate when fetching descriptor content from a registry record's source URL.

Contents

credentialProvider

The credential provider details corresponding to the specified credential provider type.

Type: RegistryRecordCredentialProviderUnion object

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

Required: Yes

credentialProviderType

The type of credential provider.

Type: String

Valid Values: `OAUTH | IAM`

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

RegistryRecordCredentialProviderUnion

The credential provider details for a registry record. Exactly one member is populated, matching the configured credential provider type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

iamCredentialProvider

The IAM role credential provider details.

Type: RegistryRecordIamCredentialProvider object

Required: No

oauthCredentialProvider

The OAuth 2.0 credential provider details.

Type: RegistryRecordOAuthCredentialProvider 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

RegistryRecordFilter

A single filter applied to a ListRegistryRecords request.

Contents

name

The attribute to filter on

Type: String

Valid Values: `name | status | recordType`

Required: Yes

values

The values to match for the attribute

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

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

RegistryRecordIamCredentialProvider

The configuration for an IAM role credential provider that signs requests to a registry record's source with AWS Signature Version 4 (SigV4).

Contents

region

The AWS Region to use for request signing. If not specified, the Region is derived from the source URL hostname, falling back to the Region of the registry.

Type: String

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

Pattern: `[a-z0-9-]+`

Required: No

roleArn

The Amazon Resource Name (ARN) of the IAM role to assume for request signing.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

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

Required: No

service

The service name to use for request signing, such as execute-api.

Type: String

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

Pattern: `[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

RegistryRecordOAuthCredentialProvider

The configuration for an OAuth 2.0 credential provider that authenticates requests to a registry record's source.

Contents

providerArn

The Amazon Resource Name (ARN) of the OAuth 2.0 credential provider resource in Amazon Bedrock AgentCore Identity.

Type: String

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

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:.*`

Required: Yes

customParameters

Additional parameters to include in the OAuth 2.0 token request.

Type: String to string map

Required: No

grantType

The OAuth 2.0 grant type used to obtain access tokens.

Type: String

Valid Values: `CLIENT_CREDENTIALS`

Required: No

scopes

The OAuth 2.0 scopes to request when obtaining access tokens.

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

RegistryRecordSummary

A summary of a registry record returned by list operations. Contains identifying and lifecycle fields but omits descriptor content.

Contents

createdAt

The timestamp when the registry record was created.

Type: Timestamp

Required: Yes

name

The name of the registry record. Names are unique within a registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: Yes

recordArn

The Amazon Resource Name (ARN) of the registry record.

Type: String

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

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

Required: Yes

recordId

The unique identifier of the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

Required: Yes

recordType

The type of the registry record, such as MCP, AGENT, SKILL, or CUSTOM.

Type: String

Valid Values: `MCP | AGENT | CUSTOM | SKILL | GATEWAY`

Required: Yes

recordVersion

The version identifier of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

Required: Yes

registryArn

The Amazon Resource Name (ARN) of the parent registry that owns the record.

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

Required: Yes

status

The lifecycle status of the registry record.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

Required: Yes

updatedAt

The timestamp when the registry record was last updated.

Type: Timestamp

Required: Yes

createdBy

The ID of the AWS account that created the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

createdByAutoDetection

Specifies whether the registry record was created by auto-detection. `true` indicates the record was automatically created by the service based on the registry's auto-detection configuration; `false` indicates the record was created through a control-plane API call.

Type: Boolean

Required: No

customMetadataSchemaComplianceStatus

Indicates whether this record's custom metadata conforms to the registry's current schema.

Type: String

Valid Values: `COMPLIANT | NON_COMPLIANT`

Required: No

description

A description of the registry record.

Type: String

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

Required: No

displayName

The human-readable display name of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

provenanceSummaryList

The condensed provenance lineage for the registry record. Each entry contains the source relation, source identifier, and source type of an auto-detection lineage entry. Populated for records created by auto-detection.

Type: Array of ProvenanceSummary objects

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RegistrySummary

Registry summary for list operations

Contents

createdAt

The timestamp when the registry was created

Type: Timestamp

Required: Yes

name

Registry name

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: Yes

registryArn

Registry Amazon Resource Name

Type: String

Length Constraints: Minimum length of 46. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:agent-registry:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

Required: Yes

registryId

Unique registry identifier

Type: String

Length Constraints: Minimum length of 12. Maximum length of 16.

Pattern: `[a-zA-Z0-9]{12,16}`

Required: Yes

status

Current status of the registry

Type: String

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

Required: Yes

updatedAt

The timestamp when the registry was last updated

Type: Timestamp

Required: Yes

autoDetection

The registry's auto-detection properties, including the requested configuration and the current detection status. Present only when auto-detection was configured for the registry.

Type: AutoDetection object

Required: No

description

Registry description

Type: String

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

Required: No

discoveryConfiguration

Discovery configuration for the registry

Type: DiscoveryConfiguration object

Required: No

statusReason

The reason for the current status. Typically populated when the status indicates a failure state.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SelfManagedLatticeResource

A self-managed private endpoint backed by a VPC Lattice resource configuration. Exactly one member is set.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

resourceConfigurationIdentifier

The identifier of the VPC Lattice resource configuration, specified as a resource configuration ID or ARN.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `((rcfg-[0-9a-z]{17})|(arn:[a-z0-9\-]+:vpc-lattice:[a-zA-Z0-9\-]+:\d{12}:resourceconfiguration/rcfg-[0-9a-z]{17}))`

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

SourceDetails

The details about the upstream source from which a registry record was detected. Exactly one member is populated, corresponding to the source type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

agentcoreGateway

The source details for a registry record that was auto-detected from an Amazon Bedrock AgentCore Gateway resource. Populated when the source type is `AWS::BedrockAgentCore::Gateway`.

Type: AgentCoreGatewaySourceDetails object

Required: No

agentcoreRuntime

The source details for a registry record that was auto-detected from an Amazon Bedrock AgentCore Runtime resource. Populated when the source type is `AWS::BedrockAgentCore::Runtime`.

Type: AgentCoreRuntimeSourceDetails 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

UpdatedA2aAgentCardDescriptor

The A2A agent card descriptor patch wrapper. Omit to leave the descriptor unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedA2aAgentCardDescriptorFields 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

UpdatedA2aAgentCardDescriptorFields

The set of A2A agent card descriptor fields that can be individually updated.

Contents

data

The patch for the descriptor's data field.

Type: UpdatedDescriptorData object

Required: No

dataSchemaVersion

The patch for the descriptor's data schema version field.

Type: UpdatedDataSchemaVersion object

Required: No

source

The patch for the descriptor's source field.

Type: UpdatedDescriptorSource 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

UpdatedAgentSkillsAdditionalData

The agent skills additional-data patch wrapper. Omit to leave the additional data unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedAgentSkillsAdditionalDataFields 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

UpdatedAgentSkillsAdditionalDataFields

The set of agent skills additional-data fields that can be individually updated.

Contents

skillMd

The patch for the agent skills markdown descriptor field.

Type: UpdatedAgentSkillsMdDescriptor 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

UpdatedAgentSkillsDefinitionDescriptor

The agent skills definition descriptor patch wrapper. Omit to leave the descriptor unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedAgentSkillsDefinitionDescriptorFields 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

UpdatedAgentSkillsDefinitionDescriptorFields

The set of agent skills definition descriptor fields that can be individually updated.

Contents

additionalData

The patch for the descriptor's additional data field.

Type: UpdatedAgentSkillsAdditionalData object

Required: No

data

The patch for the descriptor's data field.

Type: UpdatedDescriptorData object

Required: No

dataSchemaVersion

The patch for the descriptor's data schema version field.

Type: UpdatedDataSchemaVersion 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

UpdatedAgentSkillsMdDescriptor

The agent skills markdown descriptor patch wrapper. Omit to leave the descriptor unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedAgentSkillsMdDescriptorFields 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

UpdatedAgentSkillsMdDescriptorFields

The set of agent skills markdown descriptor fields that can be individually updated.

Contents

data

The patch for the descriptor's data field.

Type: UpdatedDescriptorData object

Required: No

dataSchemaVersion

The patch for the descriptor's data schema version field.

Type: UpdatedDataSchemaVersion object

Required: No

source

The patch for the descriptor's source field.

Type: UpdatedDescriptorSource 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

UpdatedAgUiDescriptor

The AG-UI descriptor patch wrapper. Omit to leave the descriptor unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedAgUiDescriptorFields 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

UpdatedAgUiDescriptorFields

The set of AG-UI descriptor fields that can be individually updated.

Contents

source

The patch for the descriptor's source field.

Type: UpdatedDescriptorSource 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

UpdatedApprovalConfiguration

A wrapper for updating the approval configuration of a registry. Include this wrapper to replace the approval configuration with the specified value; omit it to leave the approval configuration unchanged.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: ApprovalConfiguration 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

UpdatedAuthorizerConfiguration

Wrapper for updating an optional authorizer configuration with PATCH semantics.

Contents

optionalValue

The new authorizer configuration to set. Omit to leave the existing configuration unchanged.

Type: AuthorizerConfiguration 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

UpdatedAutoDetectionConfiguration

A wrapper for updating the auto-detection configuration of a registry with PATCH semantics. Include this wrapper to replace the auto-detection configuration with the specified value. Omit it to leave the auto-detection configuration unchanged. To clear the configuration, include the wrapper with a null `optionalValue`.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: AutoDetectionConfiguration 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

UpdatedCustomDescriptor

The custom descriptor patch wrapper. Omit to leave the descriptor unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedCustomDescriptorFields 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

UpdatedCustomDescriptorFields

The set of custom descriptor fields that can be individually updated.

Contents

data

The patch for the descriptor's data field.

Type: UpdatedDescriptorData 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

UpdatedCustomMetadataMap

The custom metadata patch wrapper. Omit to leave the existing metadata unchanged; supply with a null value to clear all metadata; supply with key-value pairs to replace the existing metadata.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: JSON value

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

UpdatedCustomMetadataSchemaConfiguration

The custom metadata schema configuration patch wrapper. Omit to leave the existing schema unchanged.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: CustomMetadataSchemaConfiguration 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

UpdatedDataSchemaVersion

Leaf patch wrapper for a descriptor's data schema version. Omit to leave unchanged; supply an empty object to unset; supply optionalValue to set.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpdatedDescription

Wrapper for updating an optional Description field with PATCH semantics

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: String

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

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

UpdatedDescriptorData

Leaf patch wrapper for descriptor data. Omit to leave unchanged; supply an empty object to unset; supply optionalValue to set.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

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

UpdatedDescriptors

The top-level descriptors patch wrapper used in UpdateRegistryRecord. Omit to leave the current descriptors unchanged; supply an empty object to clear them; supply optionalValue to apply a per-field patch.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedDescriptorsFields 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

UpdatedDescriptorsFields

The patchable descriptor fields applied during an UpdateRegistryRecord call. Each field is independently patchable.

Contents

a2aAgentCard

The patch for the A2A agent card descriptor.

Type: UpdatedA2aAgentCardDescriptor object

Required: No

agentSkillsDefinition

The patch for the agent skills definition descriptor.

Type: UpdatedAgentSkillsDefinitionDescriptor object

Required: No

agui

The patch for the AG-UI descriptor.

Type: UpdatedAgUiDescriptor object

Required: No

custom

The patch for the custom descriptor.

Type: UpdatedCustomDescriptor object

Required: No

http

The patch for the HTTP descriptor.

Type: UpdatedHttpDescriptor object

Required: No

mcpServer

The patch for the MCP server descriptor.

Type: UpdatedMcpServerDescriptor 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

UpdatedDescriptorSource

Leaf patch wrapper for a descriptor's source configuration. Omit to leave unchanged; supply an empty object to unset; supply optionalValue to set.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: DescriptorSource 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

UpdatedDiscoveryConfiguration

The discovery configuration fields to update on a registry. Omit this structure to leave the discovery configuration unchanged.

Contents

authorizerConfiguration

Authorization configuration for the registry, with PATCH semantics

Type: UpdatedAuthorizerConfiguration 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

UpdatedDisplayName

Leaf patch wrapper for a registry record's display name. Omit to leave unchanged; supply an empty object to unset; supply optionalValue to set.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpdatedHttpDescriptor

The HTTP descriptor patch wrapper. Omit to leave the descriptor unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedHttpDescriptorFields 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

UpdatedHttpDescriptorFields

The set of HTTP descriptor fields that can be individually updated.

Contents

source

The patch for the descriptor's source field.

Type: UpdatedDescriptorSource 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

UpdatedMcpServerAdditionalData

The MCP server additional-data patch wrapper. Omit to leave the additional data unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedMcpServerAdditionalDataFields 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

UpdatedMcpServerAdditionalDataFields

The set of MCP server additional-data fields that can be individually updated.

Contents

tools

The patch for the MCP tools descriptor field.

Type: UpdatedMcpToolsDescriptor 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

UpdatedMcpServerDescriptor

The MCP server descriptor patch wrapper. Omit to leave the descriptor unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedMcpServerDescriptorFields 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

UpdatedMcpServerDescriptorFields

The set of MCP server descriptor fields that can be individually updated.

Contents

additionalData

The patch for the descriptor's additional data field.

Type: UpdatedMcpServerAdditionalData object

Required: No

data

The patch for the descriptor's data field.

Type: UpdatedDescriptorData object

Required: No

dataSchemaVersion

The patch for the descriptor's data schema version field.

Type: UpdatedDataSchemaVersion object

Required: No

source

The patch for the descriptor's source field.

Type: UpdatedDescriptorSource 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

UpdatedMcpToolsDescriptor

The MCP tools descriptor patch wrapper. Omit to leave the tools descriptor unchanged; supply an empty object to remove it; supply optionalValue to patch its fields.

Contents

optionalValue

The value to set for this field. Omit the wrapper to leave the field unchanged.

Type: UpdatedMcpToolsDescriptorFields 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

UpdatedMcpToolsDescriptorFields

The set of MCP tools descriptor fields that can be individually updated.

Contents

data

The patch for the descriptor's data field.

Type: UpdatedDescriptorData object

Required: No

dataSchemaVersion

The patch for the descriptor's data schema version field.

Type: UpdatedDataSchemaVersion 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

ValidationExceptionField

Describes a single input field that failed validation.

Contents

message

A description of why the field failed validation.

Type: String

Required: Yes

name

The name of the field that failed validation.

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 workload identity details associated with a source resource. Present on the source details of a provenance entry when the upstream resource has a workload identity configured.

Contents

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity associated with the source resource.

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*.

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

AgentRegistry Control Plane API Reference

Required: Conditional

Common Error Types

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

AccessDeniedException

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

HTTP Status Code: 403

ExpiredTokenException

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

HTTP Status Code: 403

IncompleteSignature

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

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

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

HTTP Status Code: 400

NotAuthorized

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

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

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

HTTP Status Code: 400

RequestEntityTooLargeException

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

HTTP Status Code: 413

RequestTimeoutException

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

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

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

HTTP Status Code: 400

UnknownOperationException

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

HTTP Status Code: 404

UnrecognizedClientException

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

HTTP Status Code: 403

ValidationError

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

HTTP Status Code: 400