aws

API Reference

Amazon Q Business

API Version 2023-11-27

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Amazon Q Business: API Reference

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Welcome

QBusiness

This is the *Amazon Q Business* API Reference. Amazon Q Business is a fully managed, generative-AI powered enterprise chat assistant that you can deploy within your organization. Amazon Q Business enhances employee productivity by supporting key tasks such as question-answering, knowledge discovery, writing email messages, summarizing text, drafting document outlines, and brainstorming ideas. Users ask questions of Amazon Q Business and get answers that are presented in a conversational manner. For an introduction to the service, see the *Amazon Q Business User Guide*.

For an overview of the Amazon Q Business APIs, see Overview of Amazon Q Business API operations.

For information about the IAM access control permissions you need to use this API, see IAM roles for Amazon Q Business in the *Amazon Q Business User Guide*.

The following resources provide additional information about using the Amazon Q Business API:

- *Setting up for Amazon Q Business*
- *Amazon Q Business CLI Reference*
- *AWS General Reference*

QApps

The Amazon Q Apps feature capability within Amazon Q Business allows web experience users to create lightweight, purpose-built AI apps to fulfill specific tasks from within their web experience. For example, users can create a Q App that exclusively generates marketing-related content to improve your marketing team's productivity or a Q App for writing customer emails and creating promotional content using a certain style of voice, tone, and branding. For more information on the capabilities, see Amazon Q Apps capabilities in the *Amazon Q Business User Guide*.

For an overview of the Amazon Q App APIs, see Overview of Amazon Q Apps API operations.

For information about the IAM access control permissions you need to use the Amazon Q Apps API, see IAM role for the Amazon Q Business web experience including Amazon Q Apps in the *Amazon Q Business User Guide*.

Actions

The following actions are supported by QBusiness:

- AssociatePermission
- BatchDeleteDocument
- BatchPutDocument
- CancelSubscription
- Chat
- ChatSync
- CheckDocumentAccess
- CreateAnonymousWebExperienceUrl
- CreateApplication
- CreateChatResponseConfiguration
- CreateDataAccessor
- CreateDataSource
- CreateIndex
- CreatePlugin
- CreateRetriever
- CreateSubscription
- CreateUser
- CreateWebExperience
- DeleteApplication
- DeleteAttachment
- DeleteChatControlsConfiguration
- DeleteChatResponseConfiguration
- DeleteConversation
- DeleteDataAccessor
- DeleteDataSource
- DeleteGroup
- DeleteIndex

- DeletePlugin
- DeleteRetriever
- DeleteUser
- DeleteWebExperience
- DisassociatePermission
- GetApplication
- GetChatControlsConfiguration
- GetChatResponseConfiguration
- GetDataAccessor
- GetDataSource
- GetDocumentContent
- GetGroup
- GetIndex
- GetMedia
- GetPlugin
- GetPolicy
- GetRetriever
- GetUser
- GetWebExperience
- ListApplications
- ListAttachments
- ListChatResponseConfigurations
- ListConversations
- ListDataAccessors
- ListDataSources
- ListDataSourceSyncJobs
- ListDocuments
- ListGroups
- ListIndices
- ListMessages

- ListPluginActions
- ListPlugins
- ListPluginTypeActions
- ListPluginTypeMetadata
- ListRetrievers
- ListSubscriptions
- ListTagsForResource
- ListWebExperiences
- PutFeedback
- PutGroup
- SearchRelevantContent
- StartDataSourceSyncJob
- StopDataSourceSyncJob
- TagResource
- UntagResource
- UpdateApplication
- UpdateChatControlsConfiguration
- UpdateChatResponseConfiguration
- UpdateDataAccessor
- UpdateDataSource
- UpdateIndex
- UpdatePlugin
- UpdateRetriever
- UpdateSubscription
- UpdateUser
- UpdateWebExperience

The following actions are supported by QApps:

- AssociateLibraryItemReview
- AssociateQAppWithUser

- BatchCreateCategory
- BatchDeleteCategory
- BatchUpdateCategory
- CreateLibraryItem
- CreatePresignedUrl
- CreateQApp
- DeleteLibraryItem
- DeleteQApp
- DescribeQAppPermissions
- DisassociateLibraryItemReview
- DisassociateQAppFromUser
- ExportQAppSessionData
- GetLibraryItem
- GetQApp
- GetQAppSession
- GetQAppSessionMetadata
- ImportDocument
- ListCategories
- ListLibraryItems
- ListQApps
- ListQAppSessionData
- ListTagsForResource
- PredictQApp
- StartQAppSession
- StopQAppSession
- TagResource
- UntagResource
- UpdateLibraryItem
- UpdateLibraryItemMetadata
- UpdateQApp

- UpdateQAppPermissions
- UpdateQAppSession
- UpdateQAppSessionMetadata

QBusiness

The following actions are supported by QBusiness:

- AssociatePermission
- BatchDeleteDocument
- BatchPutDocument
- CancelSubscription
- Chat
- ChatSync
- CheckDocumentAccess
- CreateAnonymousWebExperienceUrl
- CreateApplication
- CreateChatResponseConfiguration
- CreateDataAccessor
- CreateDataSource
- CreateIndex
- CreatePlugin
- CreateRetriever
- CreateSubscription
- CreateUser
- CreateWebExperience
- DeleteApplication
- DeleteAttachment
- DeleteChatControlsConfiguration
- DeleteChatResponseConfiguration
- DeleteConversation

- DeleteDataAccessor
- DeleteDataSource
- DeleteGroup
- DeleteIndex
- DeletePlugin
- DeleteRetriever
- DeleteUser
- DeleteWebExperience
- DisassociatePermission
- GetApplication
- GetChatControlsConfiguration
- GetChatResponseConfiguration
- GetDataAccessor
- GetDataSource
- GetDocumentContent
- GetGroup
- GetIndex
- GetMedia
- GetPlugin
- GetPolicy
- GetRetriever
- GetUser
- GetWebExperience
- ListApplications
- ListAttachments
- ListChatResponseConfigurations
- ListConversations
- ListDataAccessors
- ListDataSources
- ListDataSourceSyncJobs

- ListDocuments
- ListGroups
- ListIndices
- ListMessages
- ListPluginActions
- ListPlugins
- ListPluginTypeActions
- ListPluginTypeMetadata
- ListRetrievers
- ListSubscriptions
- ListTagsForResource
- ListWebExperiences
- PutFeedback
- PutGroup
- SearchRelevantContent
- StartDataSourceSyncJob
- StopDataSourceSyncJob
- TagResource
- UntagResource
- UpdateApplication
- UpdateChatControlsConfiguration
- UpdateChatResponseConfiguration
- UpdateDataAccessor
- UpdateDataSource
- UpdateIndex
- UpdatePlugin
- UpdateRetriever
- UpdateSubscription
- UpdateUser
- UpdateWebExperience

AssociatePermission

Service: QBusiness

Adds or updates a permission policy for a Amazon Q Business application, allowing cross-account access for an ISV. This operation creates a new policy statement for the specified Amazon Q Business application. The policy statement defines the IAM actions that the ISV is allowed to perform on the Amazon Q Business application's resources.

Request Syntax

```
POST /applications/applicationId/policy HTTP/1.1
Content-type: application/json

{
   "actions": [ "string" ],
   "conditions": [
      {
         "conditionKey": "string",
         "conditionOperator": "string",
         "conditionValues": [ "string" ]
      }
   ],
   "principal": "string",
   "statementId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

actions

The list of Amazon Q Business actions that the ISV is allowed to perform.

Type: Array of strings

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

Pattern: `qbusiness:[a-zA-Z]+`

Required: Yes

conditions

The conditions that restrict when the permission is effective. These conditions can be used to limit the permission based on specific attributes of the request.

Type: Array of PermissionCondition objects

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

Required: No

principal

The Amazon Resource Name of the IAM role for the ISV that is being granted permission.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1284.

Pattern: `arn:aws:iam::[0-9]{12}:role/[a-zA-Z0-9_/+=,.@-]+`

Required: Yes

statementId

A unique identifier for the policy statement.

Type: String

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

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

Required: Yes

Response Syntax

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

{
   "statement": "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.

statement

The JSON representation of the added permission statement.

Type: String

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

BatchDeleteDocument

Service: QBusiness

Asynchronously deletes one or more documents added using the `BatchPutDocument` API from an Amazon Q Business index.

You can see the progress of the deletion, and any error messages related to the process, by using CloudWatch.

Request Syntax

```
POST /applications/applicationId/indices/indexId/documents/delete HTTP/1.1
Content-type: application/json

{
   "dataSourceSyncId": "string",
   "documents": [
      {
         "documentId": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the Amazon Q Business index that contains the documents to delete.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

dataSourceSyncId

The identifier of the data source sync during which the documents were deleted.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

documents

Documents deleted from the Amazon Q Business index.

Type: Array of DeleteDocument objects

Required: Yes

Response Syntax

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

{
   "failedDocuments": [
      {
         "dataSourceId": "string",
         "error": {
            "errorCode": "string",
            "errorMessage": "string"
         },
         "id": "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.

failedDocuments

A list of documents that couldn't be removed from the Amazon Q Business index. Each entry contains an error message that indicates why the document couldn't be removed from the index.

Type: Array of FailedDocument objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

BatchPutDocument

Service: QBusiness

Adds one or more documents to an Amazon Q Business index.

You use this API to:

- ingest your structured and unstructured documents and documents stored in an Amazon S3 bucket into an Amazon Q Business index.
- add custom attributes to documents in an Amazon Q Business index.
- attach an access control list to the documents added to an Amazon Q Business index.

You can see the progress of the deletion, and any error messages related to the process, by using CloudWatch.

Request Syntax

```
POST /applications/applicationId/indices/indexId/documents HTTP/1.1
Content-type: application/json

{
   "dataSourceSyncId": "string",
   "documents": [
      {
         "accessConfiguration": {
            "accessControls": [
               {
                  "memberRelation": "string",
                  "principals": [
                     { ... }
                  ]
               }
            ],
            "memberRelation": "string"
         },
         "attributes": [
            {
               "name": "string",
               "value": { ... }
            }
         ],
```

```
        "content": { ... },
        "contentType": "string",
        "documentEnrichmentConfiguration": {
           "inlineConfigurations": [
              {
                 "condition": {
                    "key": "string",
                    "operator": "string",
                    "value": { ... }
                 },
                 "documentContentOperator": "string",
                 "target": {
                    "attributeValueOperator": "string",
                    "key": "string",
                    "value": { ... }
                 }
              }
           ],
           "postExtractionHookConfiguration": {
              "invocationCondition": {
                 "key": "string",
                 "operator": "string",
                 "value": { ... }
              },
              "lambdaArn": "string",
              "roleArn": "string",
              "s3BucketName": "string"
           },
           "preExtractionHookConfiguration": {
              "invocationCondition": {
                 "key": "string",
                 "operator": "string",
                 "value": { ... }
              },
              "lambdaArn": "string",
              "roleArn": "string",
              "s3BucketName": "string"
           }
        },
        "id": "string",
        "mediaExtractionConfiguration": {
           "audioExtractionConfiguration": {
              "audioExtractionStatus": "string"
           },
```

```
            "imageExtractionConfiguration": {
               "imageExtractionStatus": "string"
            },
            "videoExtractionConfiguration": {
               "videoExtractionStatus": "string"
            }
         },
         "title": "string"
      }
   ],
   "roleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the Amazon Q Business index to add the documents to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

dataSourceSyncId

The identifier of the data source sync during which the documents were added.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

documents

One or more documents to add to the index.

> **Important**
>
> Ensure that the name of your document doesn't contain any confidential information. Amazon Q Business returns document names in chat responses and citations when relevant.

Type: Array of Document objects

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

Required: Yes

roleArn

The Amazon Resource Name (ARN) of an IAM role with permission to access your S3 bucket.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

Response Syntax

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

```
{
   "failedDocuments": [
      {
         "dataSourceId": "string",
         "error": {
            "errorCode": "string",
            "errorMessage": "string"
         },
         "id": "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.

failedDocuments

A list of documents that were not added to the Amazon Q Business index because the document failed a validation check. Each document contains an error message that indicates why the document couldn't be added to the index.

Type: Array of FailedDocument objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

CancelSubscription

Service: QBusiness

Unsubscribes a user or a group from their pricing tier in an Amazon Q Business application. An unsubscribed user or group loses all Amazon Q Business feature access at the start of next month.

Request Syntax

```
DELETE /applications/applicationId/subscriptions/subscriptionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application for which the subscription is being cancelled.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

subscriptionId

The identifier of the Amazon Q Business subscription being cancelled.

Length Constraints: Minimum length of 0. Maximum length of 1224.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "currentSubscription": {
      "type": "string"
   },
   "nextSubscription": {
      "type": "string"
   },
   "subscriptionArn": "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.

currentSubscription

The type of your current Amazon Q Business subscription.

Type: SubscriptionDetails object

nextSubscription

The type of the Amazon Q Business subscription for the next month.

Type: SubscriptionDetails object

subscriptionArn

The Amazon Resource Name (ARN) of the Amazon Q Business subscription being cancelled.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

Chat

Service: QBusiness

Starts or continues a streaming Amazon Q Business conversation.

Request Syntax

```
POST /applications/applicationId/conversations?
clientToken=clientToken&conversationId=conversationId&parentMessageId=parentMessageId&userGroup
 HTTP/1.1
Content-type: application/json

{
   "actionExecutionEvent": {
      "payload": {
         "string" : {
            "value": JSON value
         }
      },
      "payloadFieldNameSeparator": "string",
      "pluginId": "string"
   },
   "attachmentEvent": {
      "attachment": {
         "copyFrom": { ... },
         "data": blob,
         "name": "string"
      }
   },
   "authChallengeResponseEvent": {
      "responseMap": {
         "string" : "string"
      }
   },
   "configurationEvent": {
      "attributeFilter": {
         "andAllFilters": [
            "AttributeFilter"
         ],
         "containsAll": {
            "name": "string",
            "value": { ... }
         },
```

```
            "containsAny": {
               "name": "string",
               "value": { ... }
            },
            "equalsTo": {
               "name": "string",
               "value": { ... }
            },
            "greaterThan": {
               "name": "string",
               "value": { ... }
            },
            "greaterThanOrEquals": {
               "name": "string",
               "value": { ... }
            },
            "lessThan": {
               "name": "string",
               "value": { ... }
            },
            "lessThanOrEquals": {
               "name": "string",
               "value": { ... }
            },
            "notFilter": "AttributeFilter",
            "orAllFilters": [
               "AttributeFilter"
            ]
         },
         "chatMode": "string",
         "chatModeConfiguration": { ... }
      },
      "endOfInputEvent": {
      },
      "textEvent": {
         "userMessage": "string"
      }
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application linked to a streaming Amazon Q Business conversation.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

clientToken

A token that you provide to identify the chat input.

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

conversationId

The identifier of the Amazon Q Business conversation.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

parentMessageId

The identifier used to associate a user message with a AI generated response.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

userGroups

The group names that a user associated with the chat input belongs to.

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

userId

The identifier of the user attached to the chat input.

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

Pattern: `\P{C}*`

Request Body

The request accepts the following data in JSON format.

actionExecutionEvent

A request from an end user to perform an Amazon Q Business plugin action.

Type: ActionExecutionEvent object

Required: No

attachmentEvent

A request by an end user to upload a file during chat.

Type: AttachmentInputEvent object

Required: No

authChallengeResponseEvent

An authentication verification event response by a third party authentication server to Amazon Q Business.

Type: AuthChallengeResponseEvent object

Required: No

configurationEvent

A configuration event activated by an end user request to select a specific chat mode.

Type: ConfigurationEvent object

Required: No

endOfInputEvent

The end of the streaming input for the `Chat` API.

Type: EndOfInputEvent object

Required: No

textEvent

Information about the payload of the `ChatInputStream` event containing the end user message input.

Type: TextInputEvent object

Required: No

Response Syntax

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

{
   "actionReviewEvent": {
      "conversationId": "string",
      "payload": {
         "string" : {
            "allowedFormat": "string",
            "allowedValues": [
               {
                  "displayValue": JSON value,
                  "value": JSON value
               }
            ],
            "arrayItemJsonSchema": JSON value,
            "displayDescription": "string",
            "displayName": "string",
            "displayOrder": number,
            "required": boolean,
            "type": "string",
            "value": JSON value
         }
      },
      "payloadFieldNameSeparator": "string",
      "pluginId": "string",
      "pluginType": "string",
      "systemMessageId": "string",
      "userMessageId": "string"
   },
   "authChallengeRequestEvent": {
      "authorizationUrl": "string"
   },
   "failedAttachmentEvent": {
      "attachment": {
         "attachmentId": "string",
         "conversationId": "string",
```

```
        "error": {
           "errorCode": "string",
           "errorMessage": "string"
        },
        "name": "string",
        "status": "string"
     },
     "conversationId": "string",
     "systemMessageId": "string",
     "userMessageId": "string"
  },
  "metadataEvent": {
     "conversationId": "string",
     "finalTextMessage": "string",
     "sourceAttributions": [
        {
           "citationNumber": number,
           "datasourceId": "string",
           "documentId": "string",
           "indexId": "string",
           "snippet": "string",
           "textMessageSegments": [
              {
                 "beginOffset": number,
                 "endOffset": number,
                 "mediaId": "string",
                 "mediaMimeType": "string",
                 "snippetExcerpt": {
                    "text": "string"
                 },
                 "sourceDetails": { ... }
              }
           ],
           "title": "string",
           "updatedAt": number,
           "url": "string"
        }
     ],
     "systemMessageId": "string",
     "userMessageId": "string"
  },
  "textEvent": {
     "conversationId": "string",
     "systemMessage": "string",
```

```
        "systemMessageId": "string",
        "systemMessageType": "string",
        "userMessageId": "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.

actionReviewEvent

A request from Amazon Q Business to the end user for information Amazon Q Business needs to successfully complete a requested plugin action.

Type: ActionReviewEvent object

authChallengeRequestEvent

An authentication verification event activated by an end user request to use a custom plugin.

Type: AuthChallengeRequestEvent object

failedAttachmentEvent

A failed file upload event during a web experience chat.

Type: FailedAttachmentEvent object

metadataEvent

A metadata event for a AI-generated text output message in a Amazon Q Business conversation.

Type: MetadataEvent object

textEvent

Information about the payload of the `ChatOutputStream` event containing the AI-generated message output.

Type: TextOutputEvent object

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

ExternalResourceException

An external resource that you configured with your application is returning errors and preventing this operation from succeeding. Fix those errors and try again.

HTTP Status Code: 424

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ChatSync

Service: QBusiness

Starts or continues a non-streaming Amazon Q Business conversation.

Request Syntax

```
POST /applications/applicationId/conversations?sync&userGroups=userGroups&userId=userId
 HTTP/1.1
Content-type: application/json

{
   "actionExecution": {
      "payload": {
         "string" : {
            "value": JSON value
         }
      },
      "payloadFieldNameSeparator": "string",
      "pluginId": "string"
   },
   "attachments": [
      {
         "copyFrom": { ... },
         "data": blob,
         "name": "string"
      }
   ],
   "attributeFilter": {
      "andAllFilters": [
         "AttributeFilter"
      ],
      "containsAll": {
         "name": "string",
         "value": { ... }
      },
      "containsAny": {
         "name": "string",
         "value": { ... }
      },
      "equalsTo": {
         "name": "string",
         "value": { ... }
```

```
      },
      "greaterThan": {
         "name": "string",
         "value": { ... }
      },
      "greaterThanOrEquals": {
         "name": "string",
         "value": { ... }
      },
      "lessThan": {
         "name": "string",
         "value": { ... }
      },
      "lessThanOrEquals": {
         "name": "string",
         "value": { ... }
      },
      "notFilter": "AttributeFilter",
      "orAllFilters": [
         "AttributeFilter"
      ]
   },
   "authChallengeResponse": {
      "responseMap": {
         "string" : "string"
      }
   },
   "chatMode": "string",
   "chatModeConfiguration": { ... },
   "clientToken": "string",
   "conversationId": "string",
   "parentMessageId": "string",
   "userMessage": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application linked to the Amazon Q Business conversation.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

userGroups

The group names that a user associated with the chat input belongs to.

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

userId

The identifier of the user attached to the chat input.

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

Pattern: `\P{C}*`

Request Body

The request accepts the following data in JSON format.

actionExecution

A request from an end user to perform an Amazon Q Business plugin action.

Type: ActionExecution object

Required: No

attachments

A list of files uploaded directly during chat. You can upload a maximum of 5 files of upto 10 MB each.

Type: Array of AttachmentInput objects

Array Members: Minimum number of 1 item.

Required: No

attributeFilter

Enables filtering of Amazon Q Business web experience responses based on document attributes or metadata fields.

Type: AttributeFilter object

Required: No

authChallengeResponse

An authentication verification event response by a third party authentication server to Amazon Q Business.

Type: AuthChallengeResponse object

Required: No

chatMode

The `chatMode` parameter determines the chat modes available to Amazon Q Business users:

- `RETRIEVAL_MODE` - If you choose this mode, Amazon Q generates responses solely from the data sources connected and indexed by the application. If an answer is not found in the data sources or there are no data sources available, Amazon Q will respond with a "*No Answer Found*" message, unless LLM knowledge has been enabled. In that case, Amazon Q will generate a response from the LLM knowledge
- `CREATOR_MODE` - By selecting this mode, you can choose to generate responses only from the LLM knowledge. You can also attach files and have Amazon Q generate a response based on the data in those files. If the attached files do not contain an answer for the query, Amazon Q will automatically fall back to generating a response from the LLM knowledge.
- `PLUGIN_MODE` - By selecting this mode, users can choose to use plugins in chat to get their responses.

> **Note**
>
> If none of the modes are selected, Amazon Q will only respond using the information from the attached files.

For more information, see Admin controls and guardrails, Plugins, and Response sources.

Type: String

Valid Values: `RETRIEVAL_MODE | CREATOR_MODE | PLUGIN_MODE`

Required: No

chatModeConfiguration

The chat mode configuration for an Amazon Q Business application.

Type: ChatModeConfiguration object

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

Required: No

clientToken

A token that you provide to identify a chat request.

Type: String

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

Required: No

conversationId

The identifier of the Amazon Q Business conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

parentMessageId

The identifier of the previous system message in a conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

userMessage

A end user message in a conversation.

Type: String

Required: No

Response Syntax

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

{
   "actionReview": {
      "payload": {
         "string" : {
            "allowedFormat": "string",
            "allowedValues": [
               {
                  "displayValue": JSON value,
                  "value": JSON value
               }
            ],
            "arrayItemJsonSchema": JSON value,
            "displayDescription": "string",
            "displayName": "string",
            "displayOrder": number,
            "required": boolean,
            "type": "string",
            "value": JSON value
         }
      },
      "payloadFieldNameSeparator": "string",
      "pluginId": "string",
      "pluginType": "string"
   },
   "authChallengeRequest": {
      "authorizationUrl": "string"
   },
   "conversationId": "string",
   "failedAttachments": [
      {
         "attachmentId": "string",
         "conversationId": "string",
         "error": {
            "errorCode": "string",
            "errorMessage": "string"
         },
```

```
            "name": "string",
            "status": "string"
         }
      ],
      "sourceAttributions": [
         {
            "citationNumber": number,
            "datasourceId": "string",
            "documentId": "string",
            "indexId": "string",
            "snippet": "string",
            "textMessageSegments": [
               {
                  "beginOffset": number,
                  "endOffset": number,
                  "mediaId": "string",
                  "mediaMimeType": "string",
                  "snippetExcerpt": {
                     "text": "string"
                  },
                  "sourceDetails": { ... }
               }
            ],
            "title": "string",
            "updatedAt": number,
            "url": "string"
         }
      ],
      "systemMessage": "string",
      "systemMessageId": "string",
      "userMessageId": "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.

actionReview

A request from Amazon Q Business to the end user for information Amazon Q Business needs to successfully complete a requested plugin action.

Type: ActionReview object

authChallengeRequest

An authentication verification event activated by an end user request to use a custom plugin.

Type: AuthChallengeRequest object

conversationId

The identifier of the Amazon Q Business conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

failedAttachments

A list of files which failed to upload during chat.

Type: Array of AttachmentOutput objects

sourceAttributions

The source documents used to generate the conversation response.

Type: Array of SourceAttribution objects

systemMessage

An AI-generated message in a conversation.

Type: String

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

systemMessageId

The identifier of an Amazon Q Business AI generated message within the conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

userMessageId

The identifier of an Amazon Q Business end user text input message within the conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

ExternalResourceException

An external resource that you configured with your application is returning errors and preventing this operation from succeeding. Fix those errors and try again.

HTTP Status Code: 424

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CheckDocumentAccess

Service: QBusiness

Verifies if a user has access permissions for a specified document and returns the actual ACL attached to the document. Resolves user access on the document via user aliases and groups when verifying user access.

Request Syntax

```
GET /applications/applicationId/index/indexId/users/userId/documents/documentId/check-document-access?dataSourceId=dataSourceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the application. This is required to identify the specific Amazon Q Business application context for the document access check.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The unique identifier of the data source. Identifies the specific data source from which the document originates. Should not be used when a document is uploaded directly with BatchPutDocument, as no dataSourceId is available or necessary.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

documentId

The unique identifier of the document. Specifies which document's access permissions are being checked.

Length Constraints: Minimum length of 1. Maximum length of 1825.

Pattern: \P{C}*

Required: Yes

indexId

The unique identifier of the index. Used to locate the correct index within the application where the document is stored.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9][a-zA-Z0-9-]{35}

Required: Yes

userId

The unique identifier of the user. Used to check the access permissions for this specific user against the document's ACL.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "documentAcl": {
      "allowlist": {
         "conditions": [
            {
               "groups": [
                  {
                     "name": "string",
                     "type": "string"
                  }
               ],
               "memberRelation": "string",
```

```
            "users": [
               {
                  "id": "string",
                  "type": "string"
               }
            ]
         }
      ],
      "memberRelation": "string"
   },
   "denyList": {
      "conditions": [
         {
            "groups": [
               {
                  "name": "string",
                  "type": "string"
               }
            ],
            "memberRelation": "string",
            "users": [
               {
                  "id": "string",
                  "type": "string"
               }
            ]
         }
      ],
      "memberRelation": "string"
   }
},
"hasAccess": boolean,
"userAliases": [
   {
      "id": "string",
      "type": "string"
   }
],
"userGroups": [
   {
      "name": "string",
      "type": "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.

documentAcl

The Access Control List (ACL) associated with the document. Includes allowlist and denylist conditions that determine user access.

Type: DocumentAcl object

hasAccess

A boolean value indicating whether the specified user has access to the document, either direct access or transitive access via groups and aliases attached to the document.

Type: Boolean

userAliases

An array of aliases associated with the user. This includes both global and local aliases, each with a name and type.

Type: Array of AssociatedUser objects

userGroups

An array of groups the user is part of for the specified data source. Each group has a name and type.

Type: Array of AssociatedGroup objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

CreateAnonymousWebExperienceUrl

Service: QBusiness

Creates a unique URL for anonymous Amazon Q Business web experience. This URL can only be used once and must be used within 5 minutes after it's generated.

Request Syntax

```
POST /applications/applicationId/experiences/webExperienceId/anonymous-url HTTP/1.1
Content-type: application/json

{
   "sessionDurationInMinutes": number
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application environment attached to the web experience.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

webExperienceId

The identifier of the web experience.

Length Constraints: Fixed length of 36.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

sessionDurationInMinutes

The duration of the session associated with the unique URL for the web experience.

Type: Integer

Valid Range: Minimum value of 15. Maximum value of 60.

Required: No

Response Syntax

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

{
   "anonymousUrl": "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.

anonymousUrl

The unique URL for accessing the web experience.

> **Important**
>
> This URL can only be used once and must be used within 5 minutes after it's generated.

Type: String

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

Pattern: `(https?|ftp|file)://([^\s]*)`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateApplication

Service: QBusiness

Creates an Amazon Q Business application.

> **Note**
>
> There are new tiers for Amazon Q Business. Not all features in Amazon Q Business Pro are also available in Amazon Q Business Lite. For information on what's included in Amazon Q Business Lite and what's included in Amazon Q Business Pro, see Amazon Q Business tiers. You must use the Amazon Q Business console to assign subscription tiers to users.
> An Amazon Q Apps service linked role will be created if it's absent in the AWS account when `QAppsConfiguration` is enabled in the request. For more information, see Using service-linked roles for Q Apps.
> When you create an application, Amazon Q Business may securely transmit data for processing from your selected AWS region, but within your geography. For more information, see Cross region inference in Amazon Q Business.

Request Syntax

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

{
   "attachmentsConfiguration": {
      "attachmentsControlMode": "string"
   },
   "clientIdsForOIDC": [ "string" ],
   "clientToken": "string",
   "description": "string",
   "displayName": "string",
   "encryptionConfiguration": {
      "kmsKeyId": "string"
   },
   "iamIdentityProviderArn": "string",
   "identityCenterInstanceArn": "string",
   "identityType": "string",
   "personalizationConfiguration": {
      "personalizationControlMode": "string"
```

```
   },
   "qAppsConfiguration": {
      "qAppsControlMode": "string"
   },
   "quickSightConfiguration": {
      "clientNamespace": "string"
   },
   "roleArn": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

attachmentsConfiguration

An option to allow end users to upload files directly during chat.

Type: AttachmentsConfiguration object

Required: No

clientIdsForOIDC

The OIDC client ID for a Amazon Q Business application.

Type: Array of strings

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

Pattern: `[a-zA-Z0-9_.:/()*?=-]*`

Required: No

clientToken

A token that you provide to identify the request to create your Amazon Q Business application.

Type: String

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

Required: No

description

A description for the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

displayName

A name for the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: Yes

encryptionConfiguration

The identifier of the AWS KMS key that is used to encrypt your data. Amazon Q Business doesn't support asymmetric keys.

Type: EncryptionConfiguration object

Required: No

iamIdentityProviderArn

The Amazon Resource Name (ARN) of an identity provider being used by an Amazon Q Business application.

Type: String

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

Pattern: `arn:aws:iam::\d{12}:(oidc-provider|saml-provider)/[a-zA-Z0-9_\.\/@\-]+`

Required: No

identityCenterInstanceArn

The Amazon Resource Name (ARN) of the IAM Identity Center instance you are either creating for—or connecting to—your Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-.]{16}`

Required: No

identityType

The authentication type being used by a Amazon Q Business application.

Type: String

Valid Values: `AWS_IAM_IDP_SAML | AWS_IAM_IDP_OIDC | AWS_IAM_IDC | AWS_QUICKSIGHT_IDP | ANONYMOUS`

Required: No

personalizationConfiguration

Configuration information about chat response personalization. For more information, see Personalizing chat responses

Type: PersonalizationConfiguration object

Required: No

qAppsConfiguration

An option to allow end users to create and use Amazon Q Apps in the web experience.

Type: QAppsConfiguration object

Required: No

quickSightConfiguration

The Amazon QuickSight configuration for an Amazon Q Business application that uses QuickSight for authentication. This configuration is required if your application uses QuickSight as the identity provider. For more information, see Creating an Amazon QuickSight integrated application.

Type: QuickSightConfiguration object

Required: No

roleArn

The Amazon Resource Name (ARN) of an IAM role with permissions to access your Amazon CloudWatch logs and metrics. If this property is not specified, Amazon Q Business will create a service linked role (SLR) and use it as the application's role.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

tags

A list of key-value pairs that identify or categorize your Amazon Q Business application. You can also use tags to help control access to the application. Tag keys and values can consist of Unicode letters, digits, white space, and any of the following symbols: _ . : / = + - @.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "applicationArn": "string",
   "applicationId": "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.

applicationArn

The Amazon Resource Name (ARN) of the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

applicationId

The identifier of the Amazon Q Business application.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateChatResponseConfiguration

Service: QBusiness

Creates a new chat response configuration for an Amazon Q Business application. This operation establishes a set of parameters that define how the system generates and formats responses to user queries in chat interactions.

Request Syntax

```
POST /applications/applicationId/chatresponseconfigurations HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "displayName": "string",
   "responseConfigurations": {
      "string" : {
         "instructionCollection": {
            "customInstructions": "string",
            "examples": "string",
            "identity": "string",
            "outputStyle": "string",
            "perspective": "string",
            "responseLength": "string",
            "targetAudience": "string",
            "tone": "string"
         }
      }
   },
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application for which to create the new chat response configuration.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request. This helps prevent the same configuration from being created multiple times if retries occur.

Type: String

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

Required: No

displayName

A human-readable name for the new chat response configuration, making it easier to identify and manage among multiple configurations.

Type: String

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

Required: Yes

responseConfigurations

A collection of response configuration settings that define how Amazon Q Business will generate and format responses to user queries in chat interactions.

Type: String to ResponseConfiguration object map

Map Entries: Maximum number of 1 item.

Valid Keys: ALL

Required: Yes

tags

A list of key-value pairs to apply as tags to the new chat response configuration, enabling categorization and management of resources across AWS services.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
   "chatResponseConfigurationArn": "string",
   "chatResponseConfigurationId": "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.

chatResponseConfigurationArn

The Amazon Resource Name (ARN) of the newly created chat response configuration, which uniquely identifies the resource across all AWS services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1284.

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

chatResponseConfigurationId

The unique identifier assigned to a newly created chat response configuration, used for subsequent operations on this resource.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateDataAccessor

Service: QBusiness

Creates a new data accessor for an ISV to access data from a Amazon Q Business application. The data accessor is an entity that represents the ISV's access to the Amazon Q Business application's data. It includes the IAM role ARN for the ISV, a friendly name, and a set of action configurations that define the specific actions the ISV is allowed to perform and any associated data filters. When the data accessor is created, an IAM Identity Center application is also created to manage the ISV's identity and authentication for accessing the Amazon Q Business application.

Request Syntax

```
POST /applications/applicationId/dataaccessors HTTP/1.1
Content-type: application/json

{
   "actionConfigurations": [
      {
         "action": "string",
         "filterConfiguration": {
            "documentAttributeFilter": {
               "andAllFilters": [
                  "AttributeFilter"
               ],
               "containsAll": {
                  "name": "string",
                  "value": { ... }
               },
               "containsAny": {
                  "name": "string",
                  "value": { ... }
               },
               "equalsTo": {
                  "name": "string",
                  "value": { ... }
               },
               "greaterThan": {
                  "name": "string",
                  "value": { ... }
               },
               "greaterThanOrEquals": {
                  "name": "string",
```

```
                  "value": { ... }
               },
               "lessThan": {
                  "name": "string",
                  "value": { ... }
               },
               "lessThanOrEquals": {
                  "name": "string",
                  "value": { ... }
               },
               "notFilter": "AttributeFilter",
               "orAllFilters": [
                  "AttributeFilter"
               ]
            }
         }
      }
   ],
   "authenticationDetail": {
      "authenticationConfiguration": { ... },
      "authenticationType": "string",
      "externalIds": [ "string" ]
   },
   "clientToken": "string",
   "displayName": "string",
   "principal": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

actionConfigurations

A list of action configurations specifying the allowed actions and any associated filters.

Type: Array of ActionConfiguration objects

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

Required: Yes

authenticationDetail

The authentication configuration details for the data accessor. This specifies how the ISV will authenticate when accessing data through this data accessor.

Type: DataAccessorAuthenticationDetail object

Required: No

clientToken

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

Type: String

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

Required: No

displayName

A friendly name for the data accessor.

Type: String

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

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

Required: Yes

principal

The Amazon Resource Name (ARN) of the IAM role for the ISV that will be accessing the data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1284.

Pattern: `arn:aws:iam::[0-9]{12}:role/[a-zA-Z0-9_/+=,.@-]+`

Required: Yes

tags

The tags to associate with the data accessor.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
   "dataAccessorArn": "string",
   "dataAccessorId": "string",
   "idcApplicationArn": "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.

dataAccessorArn

The Amazon Resource Name (ARN) of the created data accessor.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

dataAccessorId

The unique identifier of the created data accessor.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

idcApplicationArn

The Amazon Resource Name (ARN) of the IAM Identity Center application created for this data accessor.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso::\d{12}:application/(sso)?ins-[a-zA-Z0-9-.]{16}/apl-[a-zA-Z0-9]{16}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateDataSource

Service: QBusiness

Creates a data source connector for an Amazon Q Business application.

`CreateDataSource` is a synchronous operation. The operation returns 200 if the data source was successfully created. Otherwise, an exception is raised.

Request Syntax

```
POST /applications/applicationId/indices/indexId/datasources HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "configuration": JSON value,
   "description": "string",
   "displayName": "string",
   "documentEnrichmentConfiguration": {
      "inlineConfigurations": [
         {
            "condition": {
               "key": "string",
               "operator": "string",
               "value": { ... }
            },
            "documentContentOperator": "string",
            "target": {
               "attributeValueOperator": "string",
               "key": "string",
               "value": { ... }
            }
         }
      ],
      "postExtractionHookConfiguration": {
         "invocationCondition": {
            "key": "string",
            "operator": "string",
            "value": { ... }
         },
         "lambdaArn": "string",
         "roleArn": "string",
         "s3BucketName": "string"
```

```
      },
      "preExtractionHookConfiguration": {
         "invocationCondition": {
            "key": "string",
            "operator": "string",
            "value": { ... }
         },
         "lambdaArn": "string",
         "roleArn": "string",
         "s3BucketName": "string"
      }
   },
   "mediaExtractionConfiguration": {
      "audioExtractionConfiguration": {
         "audioExtractionStatus": "string"
      },
      "imageExtractionConfiguration": {
         "imageExtractionStatus": "string"
      },
      "videoExtractionConfiguration": {
         "videoExtractionStatus": "string"
      }
   },
   "roleArn": "string",
   "syncSchedule": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ],
   "vpcConfiguration": {
      "securityGroupIds": [ "string" ],
      "subnetIds": [ "string" ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application the data source will be attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the index that you want to use with the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A token you provide to identify a request to create a data source connector. Multiple calls to the `CreateDataSource` API with the same client token will create only one data source connector.

Type: String

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

Required: No

configuration

Configuration information to connect your data source repository to Amazon Q Business. Use this parameter to provide a JSON schema with configuration information specific to your data source connector.

Each data source has a JSON schema provided by Amazon Q Business that you must use. For example, the Amazon S3 and Web Crawler connectors require the following JSON schemas:

- Amazon S3 JSON schema
- Web Crawler JSON schema

You can find configuration templates for your specific data source using the following steps:

1. Navigate to the Supported connectors page in the Amazon Q Business User Guide, and select the data source of your choice.
2. Then, from your specific data source connector page, select **Using the API**. You will find the JSON schema for your data source, including parameter descriptions, in this section.

Type: JSON value

Required: Yes

description

A description for the data source connector.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

displayName

A name for the data source connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: Yes

documentEnrichmentConfiguration

Provides the configuration information for altering document metadata and content during the document ingestion process.

For more information, see Custom document enrichment.

Type: DocumentEnrichmentConfiguration object

Required: No

mediaExtractionConfiguration

The configuration for extracting information from media in documents during ingestion.

Type: MediaExtractionConfiguration object

Required: No

roleArn

The Amazon Resource Name (ARN) of an IAM role with permission to access the data source and required resources. This field is required for all connector types except custom connectors, where it is optional.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

syncSchedule

Sets the frequency for Amazon Q Business to check the documents in your data source repository and update your index. If you don't set a schedule, Amazon Q Business won't periodically update the index.

Specify a `cron-` format schedule string or an empty string to indicate that the index is updated on demand. You can't specify the `Schedule` parameter when the `Type` parameter is set to `CUSTOM`. If you do, you receive a `ValidationException` exception.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 998.

Pattern: `[\s\S]*`

Required: No

tags

A list of key-value pairs that identify or categorize the data source connector. You can also use tags to help control access to the data source connector. Tag keys and values can consist of Unicode letters, digits, white space, and any of the following symbols: _ . : / = + - @.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

vpcConfiguration

Configuration information for an Amazon VPC (Virtual Private Cloud) to connect to your data source. For more information, see Using Amazon VPC with Amazon Q Business connectors.

Type: DataSourceVpcConfiguration object

Required: No

Response Syntax

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

{
   "dataSourceArn": "string",
   "dataSourceId": "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.

dataSourceArn

The Amazon Resource Name (ARN) of a data source in an Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

dataSourceId

The identifier of the data source connector.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateIndex

Service: QBusiness

Creates an Amazon Q Business index.

To determine if index creation has completed, check the `Status` field returned from a call to `DescribeIndex`. The `Status` field is set to `ACTIVE` when the index is ready to use.

Once the index is active, you can index your documents using the `BatchPutDocument` API or the `CreateDataSource` API.

Request Syntax

```
POST /applications/applicationId/indices HTTP/1.1
Content-type: application/json

{
   "capacityConfiguration": {
      "units": number
   },
   "clientToken": "string",
   "description": "string",
   "displayName": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ],
   "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application using the index.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

capacityConfiguration

The capacity units you want to provision for your index. You can add and remove capacity to fit your usage needs.

Type: IndexCapacityConfiguration object

Required: No

clientToken

A token that you provide to identify the request to create an index. Multiple calls to the `CreateIndex` API with the same client token will create only one index.

Type: String

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

Required: No

description

A description for the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

displayName

A name for the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: Yes

tags

A list of key-value pairs that identify or categorize the index. You can also use tags to help control access to the index. Tag keys and values can consist of Unicode letters, digits, white space, and any of the following symbols: _ . : / = + - @.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

type

The index type that's suitable for your needs. For more information on what's included in each type of index, see Amazon Q Business tiers.

Type: String

Valid Values: `ENTERPRISE | STARTER`

Required: No

Response Syntax

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

{
   "indexArn": "string",
   "indexId": "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.

indexArn

The Amazon Resource Name (ARN) of an Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

indexId

The identifier for the Amazon Q Business index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Python
- AWS SDK for Ruby V3

CreatePlugin

Service: QBusiness

Creates an Amazon Q Business plugin.

Request Syntax

```
POST /applications/applicationId/plugins HTTP/1.1
Content-type: application/json

{
   "authConfiguration": { ... },
   "clientToken": "string",
   "customPluginConfiguration": {
      "apiSchema": { ... },
      "apiSchemaType": "string",
      "description": "string"
   },
   "displayName": "string",
   "serverUrl": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ],
   "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application that will contain the plugin.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

authConfiguration

Authentication configuration information for an Amazon Q Business plugin.

Type: PluginAuthConfiguration object

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

Required: Yes

clientToken

A token that you provide to identify the request to create your Amazon Q Business plugin.

Type: String

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

Required: No

customPluginConfiguration

Contains configuration for a custom plugin.

Type: CustomPluginConfiguration object

Required: No

displayName

A the name for your plugin.

Type: String

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

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

Required: Yes

serverUrl

The source URL used for plugin configuration.

Type: String

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

Pattern: `(https?|ftp|file)://([^\s]*)`

Required: No

tags

A list of key-value pairs that identify or categorize the data source connector. You can also use tags to help control access to the data source connector. Tag keys and values can consist of Unicode letters, digits, white space, and any of the following symbols: _ . : / = + - @.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

type

The type of plugin you want to create.

Type: String

Valid Values: `SERVICE_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM | QUICKSIGHT | SERVICENOW_NOW_PLATFORM | JIRA_CLOUD | SALESFORCE_CRM | ZENDESK_SUITE | ATLASSIAN_CONFLUENCE | GOOGLE_CALENDAR | MICROSOFT_TEAMS | MICROSOFT_EXCHANGE | PAGERDUTY_ADVANCE | SMARTSHEET | ASANA`

Required: Yes

Response Syntax

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

{
   "buildStatus": "string",
   "pluginArn": "string",
   "pluginId": "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.

buildStatus

The current status of a plugin. A plugin is modified asynchronously.

Type: String

Valid Values: `READY | CREATE_IN_PROGRESS | CREATE_FAILED | UPDATE_IN_PROGRESS | UPDATE_FAILED | DELETE_IN_PROGRESS | DELETE_FAILED`

pluginArn

The Amazon Resource Name (ARN) of a plugin.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

pluginId

The identifier of the plugin created.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateRetriever

Service: QBusiness

Adds a retriever to your Amazon Q Business application.

Request Syntax

```
POST /applications/applicationId/retrievers HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "configuration": { ... },
   "displayName": "string",
   "roleArn": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ],
   "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of your Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A token that you provide to identify the request to create your Amazon Q Business application retriever.

Type: String

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

Required: No

configuration

Provides information on how the retriever used for your Amazon Q Business application is configured.

Type: RetrieverConfiguration object

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

Required: Yes

displayName

The name of your retriever.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: Yes

roleArn

The ARN of an IAM role used by Amazon Q Business to access the basic authentication credentials stored in a Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

tags

A list of key-value pairs that identify or categorize the retriever. You can also use tags to help control access to the retriever. Tag keys and values can consist of Unicode letters, digits, white space, and any of the following symbols: _ . : / = + - @.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

type

The type of retriever you are using.

Type: String

Valid Values: `NATIVE_INDEX | KENDRA_INDEX`

Required: Yes

Response Syntax

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

{
   "retrieverArn": "string",
   "retrieverId": "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.

retrieverArn

The Amazon Resource Name (ARN) of an IAM role associated with a retriever.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

retrieverId

The identifier of the retriever you are using.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateSubscription

Service: QBusiness

Subscribes an IAM Identity Center user or a group to a pricing tier for an Amazon Q Business application.

Amazon Q Business offers two subscription tiers: `Q_LITE` and `Q_BUSINESS`. Subscription tier determines feature access for the user. For more information on subscriptions and pricing tiers, see Amazon Q Business pricing.

> **Note**
>
> For an example IAM role policy for assigning subscriptions, see Set up required permissions in the Amazon Q Business User Guide.

Request Syntax

```
POST /applications/applicationId/subscriptions HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "principal": { ... },
   "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application the subscription should be added to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A token that you provide to identify the request to create a subscription for your Amazon Q Business application.

Type: String

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

Required: No

principal

The IAM Identity Center `UserId` or `GroupId` of a user or group in the IAM Identity Center instance connected to the Amazon Q Business application.

Type: SubscriptionPrincipal object

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

Required: Yes

type

The type of Amazon Q Business subscription you want to create.

Type: String

Valid Values: `Q_LITE | Q_BUSINESS`

Required: Yes

Response Syntax

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

{
```

```
   "currentSubscription": {
      "type": "string"
   },
   "nextSubscription": {
      "type": "string"
   },
   "subscriptionArn": "string",
   "subscriptionId": "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.

currentSubscription

The type of your current Amazon Q Business subscription.

Type: SubscriptionDetails object

nextSubscription

The type of the Amazon Q Business subscription for the next month.

Type: SubscriptionDetails object

subscriptionArn

The Amazon Resource Name (ARN) of the Amazon Q Business subscription created.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

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

subscriptionId

The identifier of the Amazon Q Business subscription created.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1224.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateUser

Service: QBusiness

Creates a universally unique identifier (UUID) mapped to a list of local user ids within an application.

Request Syntax

```
POST /applications/applicationId/users HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "userAliases": [
      {
         "dataSourceId": "string",
         "indexId": "string",
         "userId": "string"
      }
   ],
   "userId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application for which the user mapping will be created.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A token that you provide to identify the request to create your Amazon Q Business user mapping.

Type: String

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

Required: No

userAliases

The list of user aliases in the mapping.

Type: Array of UserAlias objects

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

Required: No

userId

The user emails attached to a user mapping.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

CreateWebExperience

Service: QBusiness

Creates an Amazon Q Business web experience.

Request Syntax

```
POST /applications/applicationId/experiences HTTP/1.1
Content-type: application/json

{
   "browserExtensionConfiguration": {
      "enabledBrowserExtensions": [ "string" ]
   },
   "clientToken": "string",
   "customizationConfiguration": {
      "customCSSUrl": "string",
      "faviconUrl": "string",
      "fontUrl": "string",
      "logoUrl": "string"
   },
   "identityProviderConfiguration": { ... },
   "origins": [ "string" ],
   "roleArn": "string",
   "samplePromptsControlMode": "string",
   "subtitle": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ],
   "title": "string",
   "welcomeMessage": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business web experience.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

browserExtensionConfiguration

The browser extension configuration for an Amazon Q Business web experience.

> **Note**
>
> For Amazon Q Business application using external OIDC-compliant identity providers (IdPs). The IdP administrator must add the browser extension sign-in redirect URLs to the IdP application. For more information, see Configure external OIDC identity provider for your browser extensions..

Type: BrowserExtensionConfiguration object

Required: No

clientToken

A token you provide to identify a request to create an Amazon Q Business web experience.

Type: String

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

Required: No

customizationConfiguration

Sets the custom logo, favicon, font, and color used in the Amazon Q web experience.

Type: CustomizationConfiguration object

Required: No

identityProviderConfiguration

Information about the identity provider (IdP) used to authenticate end users of an Amazon Q Business web experience.

Type: IdentityProviderConfiguration object

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

Required: No

origins

Sets the website domain origins that are allowed to embed the Amazon Q Business web experience. The *domain origin* refers to the base URL for accessing a website including the protocol (`http/https`), the domain name, and the port number (if specified).

> **Note**
>
> You must only submit a *base URL* and not a full path. For example, `https://docs.aws.amazon.com`.

Type: Array of strings

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

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

Pattern: `(http://|https://)[a-zA-Z0-9-_.]+(?::[0-9]{1,5})?`

Required: No

roleArn

The Amazon Resource Name (ARN) of the service role attached to your web experience.

> **Note**
>
> The `roleArn` parameter is required when your Amazon Q Business application is created with IAM Identity Center. It is not required for SAML-based applications.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

samplePromptsControlMode

Determines whether sample prompts are enabled in the web experience for an end user.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

subtitle

A subtitle to personalize your Amazon Q Business web experience.

Type: String

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

Pattern: `[\s\S]*`

Required: No

tags

A list of key-value pairs that identify or categorize your Amazon Q Business web experience. You can also use tags to help control access to the web experience. Tag keys and values can consist of Unicode letters, digits, white space, and any of the following symbols: _ . : / = + - @.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

title

The title for your Amazon Q Business web experience.

Type: String

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

Pattern: `[\s\S]*`

Required: No

welcomeMessage

The customized welcome message for end users of an Amazon Q Business web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Required: No

Response Syntax

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

{
   "webExperienceArn": "string",
   "webExperienceId": "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.

webExperienceArn

The Amazon Resource Name (ARN) of an Amazon Q Business web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

webExperienceId

The identifier of the Amazon Q Business web experience.

Type: String

Length Constraints: Fixed length of 36.

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteApplication

Service: QBusiness

Deletes an Amazon Q Business application.

Request Syntax

```
DELETE /applications/applicationId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteAttachment

Service: QBusiness

Deletes an attachment associated with a specific Amazon Q Business conversation.

Request Syntax

```
DELETE /applications/applicationId/conversations/conversationId/
attachments/attachmentId?userId=userId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier for the Amazon Q Business application environment.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

attachmentId

The unique identifier for the attachment.

Pattern: `[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}`

Required: Yes

conversationId

The unique identifier of the conversation.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

userId

The unique identifier of the user involved in the conversation.

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

Pattern: `\P{C}*`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteChatControlsConfiguration

Service: QBusiness

Deletes chat controls configured for an existing Amazon Q Business application.

Request Syntax

```
DELETE /applications/applicationId/chatcontrols HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application the chat controls have been configured for.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

DeleteChatResponseConfiguration

Service: QBusiness

Deletes a specified chat response configuration from an Amazon Q Business application.

Request Syntax

```
DELETE /applications/applicationId/
chatresponseconfigurations/chatResponseConfigurationId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of theAmazon Q Business application from which to delete the chat response configuration.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

chatResponseConfigurationId

The unique identifier of the chat response configuration to delete from the specified application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteConversation

Service: QBusiness

Deletes an Amazon Q Business web experience conversation.

Request Syntax

```
DELETE /applications/applicationId/conversations/conversationId?userId=userId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application associated with the conversation.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

conversationId

The identifier of the Amazon Q Business web experience conversation being deleted.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

userId

The identifier of the user who is deleting the conversation.

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

Pattern: `\P{C}*`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteDataAccessor

Service: QBusiness

Deletes a specified data accessor. This operation permanently removes the data accessor and its associated IAM Identity Center application. Any access granted to the ISV through this data accessor will be revoked.

Request Syntax

```
DELETE /applications/applicationId/dataaccessors/dataAccessorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataAccessorId

The unique identifier of the data accessor to delete.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteDataSource

Service: QBusiness

Deletes an Amazon Q Business data source connector. While the data source is being deleted, the `Status` field returned by a call to the `DescribeDataSource` API is set to `DELETING`.

Request Syntax

```
DELETE /applications/applicationId/indices/indexId/datasources/dataSourceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application used with the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source connector that you want to delete.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the index used with the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteGroup

Service: QBusiness

Deletes a group so that all users and sub groups that belong to the group can no longer access documents only available to that group. For example, after deleting the group "Summer Interns", all interns who belonged to that group no longer see intern-only documents in their chat results.

If you want to delete, update, or replace users or sub groups of a group, you need to use the `PutGroup` operation. For example, if a user in the group "Engineering" leaves the engineering team and another user takes their place, you provide an updated list of users or sub groups that belong to the "Engineering" group when calling `PutGroup`.

Request Syntax

```
DELETE /applications/applicationId/indices/indexId/groups/groupName?
dataSourceId=dataSourceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application in which the group mapping belongs.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source linked to the group

A group can be tied to multiple data sources. You can delete a group from accessing documents in a certain data source. For example, the groups "Research", "Engineering", and "Sales and Marketing" are all tied to the company's documents stored in the data sources Confluence and Salesforce. You want to delete "Research" and "Engineering" groups from Salesforce, so that these groups cannot access customer-related documents stored in Salesforce. Only "Sales and Marketing" should access documents in the Salesforce data source.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

groupName

The name of the group you want to delete.

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

Pattern: `\P{C}*`

Required: Yes

indexId

The identifier of the index you want to delete the group from.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteIndex

Service: QBusiness

Deletes an Amazon Q Business index.

Request Syntax

```
DELETE /applications/applicationId/indices/indexId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application the Amazon Q Business index is linked to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the Amazon Q Business index.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeletePlugin

Service: QBusiness

Deletes an Amazon Q Business plugin.

Request Syntax

```
DELETE /applications/applicationId/plugins/pluginId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier the application attached to the Amazon Q Business plugin.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

pluginId

The identifier of the plugin being deleted.

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteRetriever

Service: QBusiness

Deletes the retriever used by an Amazon Q Business application.

Request Syntax

```
DELETE /applications/applicationId/retrievers/retrieverId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application using the retriever.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

retrieverId

The identifier of the retriever being deleted.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteUser

Service: QBusiness

Deletes a user by email id.

Request Syntax

```
DELETE /applications/applicationId/users/userId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application from which the user is being deleted.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

userId

The user email being deleted.

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

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DeleteWebExperience

Service: QBusiness

Deletes an Amazon Q Business web experience.

Request Syntax

```
DELETE /applications/applicationId/experiences/webExperienceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application linked to the Amazon Q Business web experience.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

webExperienceId

The identifier of the Amazon Q Business web experience being deleted.

Length Constraints: Fixed length of 36.

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

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

DisassociatePermission

Service: QBusiness

Removes a permission policy from a Amazon Q Business application, revoking the cross-account access that was previously granted to an ISV. This operation deletes the specified policy statement from the application's permission policy.

Request Syntax

```
DELETE /applications/applicationId/policy/statementId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

statementId

The statement ID of the permission to remove.

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

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetApplication

Service: QBusiness

Gets information about an existing Amazon Q Business application.

Request Syntax

```
GET /applications/applicationId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "applicationArn": "string",
   "applicationId": "string",
   "attachmentsConfiguration": {
      "attachmentsControlMode": "string"
   },
   "autoSubscriptionConfiguration": {
      "autoSubscribe": "string",
      "defaultSubscriptionType": "string"
   },
```

```
   "clientIdsForOIDC": [ "string" ],
   "createdAt": number,
   "description": "string",
   "displayName": "string",
   "encryptionConfiguration": {
      "kmsKeyId": "string"
   },
   "error": {
      "errorCode": "string",
      "errorMessage": "string"
   },
   "iamIdentityProviderArn": "string",
   "identityCenterApplicationArn": "string",
   "identityType": "string",
   "personalizationConfiguration": {
      "personalizationControlMode": "string"
   },
   "qAppsConfiguration": {
      "qAppsControlMode": "string"
   },
   "quickSightConfiguration": {
      "clientNamespace": "string"
   },
   "roleArn": "string",
   "status": "string",
   "updatedAt": number
}
```

Response Elements

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

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

applicationArn

The Amazon Resource Name (ARN) of the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

applicationId

The identifier of the Amazon Q Business application.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

attachmentsConfiguration

Settings for whether end users can upload files directly during chat.

Type: AppliedAttachmentsConfiguration object

autoSubscriptionConfiguration

Settings for auto-subscription behavior for this application. This is only applicable to SAML and OIDC applications.

Type: AutoSubscriptionConfiguration object

clientIdsForOIDC

The OIDC client ID for a Amazon Q Business application.

Type: Array of strings

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

Pattern: `[a-zA-Z0-9_.:/()*?=-]*`

createdAt

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

description

A description for the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

displayName

The name of the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

encryptionConfiguration

The identifier of the AWS AWS KMS key that is used to encrypt your data. Amazon Q Business doesn't support asymmetric keys.

Type: EncryptionConfiguration object

error

If the `Status` field is set to `ERROR`, the `ErrorMessage` field contains a description of the error that caused the synchronization to fail.

Type: ErrorDetail object

iamIdentityProviderArn

The Amazon Resource Name (ARN) of an identity provider being used by an Amazon Q Business application.

Type: String

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

Pattern: `arn:aws:iam::\d{12}:(oidc-provider|saml-provider)/[a-zA-Z0-9_\.\/@\-]+`

identityCenterApplicationArn

The Amazon Resource Name (ARN) of the AWS IAM Identity Center instance attached to your Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso::\d{12}:application/(sso)?ins-[a-zA-Z0-9-.]{16}/apl-[a-zA-Z0-9]{16}`

identityType

The authentication type being used by a Amazon Q Business application.

Type: String

Valid Values: `AWS_IAM_IDP_SAML | AWS_IAM_IDP_OIDC | AWS_IAM_IDC | AWS_QUICKSIGHT_IDP | ANONYMOUS`

personalizationConfiguration

Configuration information about chat response personalization. For more information, see Personalizing chat responses.

Type: PersonalizationConfiguration object

qAppsConfiguration

Settings for whether end users can create and use Amazon Q Apps in the web experience.

Type: QAppsConfiguration object

quickSightConfiguration

The Amazon QuickSight authentication configuration for the Amazon Q Business application.

Type: QuickSightConfiguration object

roleArn

The Amazon Resource Name (ARN) of the IAM with permissions to access your CloudWatch logs and metrics.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

status

The status of the Amazon Q Business application.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | FAILED | UPDATING`

updatedAt

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetChatControlsConfiguration

Service: QBusiness

Gets information about chat controls configured for an existing Amazon Q Business application.

Request Syntax

```
GET /applications/applicationId/chatcontrols?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application for which the chat controls are configured.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of configured chat controls to return.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business chat controls configured.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "blockedPhrases": {
      "blockedPhrases": [ "string" ],
      "systemMessageOverride": "string"
   },
   "creatorModeConfiguration": {
      "creatorModeControl": "string"
   },
   "hallucinationReductionConfiguration": {
      "hallucinationReductionControl": "string"
   },
   "nextToken": "string",
   "orchestrationConfiguration": {
      "control": "string"
   },
   "responseScope": "string",
   "topicConfigurations": [
      {
         "description": "string",
         "exampleChatMessages": [ "string" ],
         "name": "string",
         "rules": [
            {
               "excludedUsersAndGroups": {
                  "userGroups": [ "string" ],
                  "userIds": [ "string" ]
               },
               "includedUsersAndGroups": {
                  "userGroups": [ "string" ],
                  "userIds": [ "string" ]
               },
               "ruleConfiguration": { ... },
               "ruleType": "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.

blockedPhrases

The phrases blocked from chat by your chat control configuration.

Type: BlockedPhrasesConfiguration object

creatorModeConfiguration

The configuration details for `CREATOR_MODE`.

Type: AppliedCreatorModeConfiguration object

hallucinationReductionConfiguration

The hallucination reduction settings for your application.

Type: HallucinationReductionConfiguration object

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business chat controls configured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

orchestrationConfiguration

The chat response orchestration settings for your application.

> **Note**
>
> Chat orchestration is optimized to work for English language content. For more details on language support in Amazon Q Business, see Supported languages.

Type: AppliedOrchestrationConfiguration object

responseScope

The response scope configured for a Amazon Q Business application. This determines whether your application uses its retrieval augmented generation (RAG) system to generate answers only from your enterprise data, or also uses the large language models (LLM) knowledge to respons to end user questions in chat.

Type: String

Valid Values: `ENTERPRISE_CONTENT_ONLY | EXTENDED_KNOWLEDGE_ENABLED`

topicConfigurations

The topic specific controls configured for a Amazon Q Business application.

Type: Array of TopicConfiguration objects

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetChatResponseConfiguration

Service: QBusiness

Retrieves detailed information about a specific chat response configuration from an Amazon Q Business application. This operation returns the complete configuration settings and metadata.

Request Syntax

```
GET /applications/applicationId/chatresponseconfigurations/chatResponseConfigurationId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application containing the chat response configuration to retrieve.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

chatResponseConfigurationId

The unique identifier of the chat response configuration to retrieve from the specified application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "chatResponseConfigurationArn": "string",
   "chatResponseConfigurationId": "string",
   "createdAt": number,
   "displayName": "string",
   "inUseConfiguration": {
      "error": {
         "errorCode": "string",
         "errorMessage": "string"
      },
      "responseConfigurations": {
         "string" : {
            "instructionCollection": {
               "customInstructions": "string",
               "examples": "string",
               "identity": "string",
               "outputStyle": "string",
               "perspective": "string",
               "responseLength": "string",
               "targetAudience": "string",
               "tone": "string"
            }
         }
      },
      "responseConfigurationSummary": "string",
      "status": "string",
      "updatedAt": number
   },
   "lastUpdateConfiguration": {
      "error": {
         "errorCode": "string",
         "errorMessage": "string"
      },
      "responseConfigurations": {
         "string" : {
            "instructionCollection": {
               "customInstructions": "string",
               "examples": "string",
```

```
                "identity": "string",
                "outputStyle": "string",
                "perspective": "string",
                "responseLength": "string",
                "targetAudience": "string",
                "tone": "string"
            }
        }
    },
    "responseConfigurationSummary": "string",
    "status": "string",
    "updatedAt": number
  }
}
```

Response Elements

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

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

chatResponseConfigurationArn

The Amazon Resource Name (ARN) of the retrieved chat response configuration, which uniquely identifies the resource across all AWS services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1284.

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

chatResponseConfigurationId

The unique identifier of the retrieved chat response configuration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

createdAt

The timestamp indicating when the chat response configuration was initially created.

Type: Timestamp

displayName

The human-readable name of the retrieved chat response configuration, making it easier to identify among multiple configurations.

Type: String

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

inUseConfiguration

The currently active configuration settings that are being used to generate responses in the Amazon Q Business application.

Type: ChatResponseConfigurationDetail object

lastUpdateConfiguration

Information about the most recent update to the configuration, including timestamp and modification details.

Type: ChatResponseConfigurationDetail object

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetDataAccessor

Service: QBusiness

Retrieves information about a specified data accessor. This operation returns details about the data accessor, including its display name, unique identifier, Amazon Resource Name (ARN), the associated Amazon Q Business application and IAM Identity Center application, the IAM role for the ISV, the action configurations, and the timestamps for when the data accessor was created and last updated.

Request Syntax

```
GET /applications/applicationId/dataaccessors/dataAccessorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataAccessorId

The unique identifier of the data accessor to retrieve.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "actionConfigurations": [
      {
         "action": "string",
         "filterConfiguration": {
            "documentAttributeFilter": {
               "andAllFilters": [
                  "AttributeFilter"
               ],
               "containsAll": {
                  "name": "string",
                  "value": { ... }
               },
               "containsAny": {
                  "name": "string",
                  "value": { ... }
               },
               "equalsTo": {
                  "name": "string",
                  "value": { ... }
               },
               "greaterThan": {
                  "name": "string",
                  "value": { ... }
               },
               "greaterThanOrEquals": {
                  "name": "string",
                  "value": { ... }
               },
               "lessThan": {
                  "name": "string",
                  "value": { ... }
               },
               "lessThanOrEquals": {
                  "name": "string",
                  "value": { ... }
               },
               "notFilter": "AttributeFilter",
```

```
                "orAllFilters": [
                   "AttributeFilter"
                ]
             }
          }
       }
    ],
    "applicationId": "string",
    "authenticationDetail": {
       "authenticationConfiguration": { ... },
       "authenticationType": "string",
       "externalIds": [ "string" ]
    },
    "createdAt": number,
    "dataAccessorArn": "string",
    "dataAccessorId": "string",
    "displayName": "string",
    "idcApplicationArn": "string",
    "principal": "string",
    "updatedAt": number
}
```

Response Elements

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

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

actionConfigurations

The list of action configurations specifying the allowed actions and any associated filters.

Type: Array of ActionConfiguration objects

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

applicationId

The unique identifier of the Amazon Q Business application associated with this data accessor.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

authenticationDetail

The authentication configuration details for the data accessor. This specifies how the ISV authenticates when accessing data through this data accessor.

Type: DataAccessorAuthenticationDetail object

createdAt

The timestamp when the data accessor was created.

Type: Timestamp

dataAccessorArn

The Amazon Resource Name (ARN) of the data accessor.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

dataAccessorId

The unique identifier of the data accessor.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

displayName

The friendly name of the data accessor.

Type: String

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

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

idcApplicationArn

The Amazon Resource Name (ARN) of the IAM Identity Center application associated with this data accessor.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso::\d{12}:application/(sso)?ins-[a-zA-Z0-9-.]{16}/apl-[a-zA-Z0-9]{16}`

principal

The Amazon Resource Name (ARN) of the IAM role for the ISV associated with this data accessor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1284.

Pattern: `arn:aws:iam::[0-9]{12}:role/[a-zA-Z0-9_/+=,.@-]+`

updatedAt

The timestamp when the data accessor was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetDataSource

Service: QBusiness

Gets information about an existing Amazon Q Business data source connector.

Request Syntax

```
GET /applications/applicationId/indices/indexId/datasources/dataSourceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identfier of the index used with the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "applicationId": "string",
   "configuration": JSON value,
   "createdAt": number,
   "dataSourceArn": "string",
   "dataSourceId": "string",
   "description": "string",
   "displayName": "string",
   "documentEnrichmentConfiguration": {
      "inlineConfigurations": [
         {
            "condition": {
               "key": "string",
               "operator": "string",
               "value": { ... }
            },
            "documentContentOperator": "string",
            "target": {
               "attributeValueOperator": "string",
               "key": "string",
               "value": { ... }
            }
         }
      ],
      "postExtractionHookConfiguration": {
         "invocationCondition": {
            "key": "string",
            "operator": "string",
            "value": { ... }
         },
         "lambdaArn": "string",
         "roleArn": "string",
         "s3BucketName": "string"
      },
```

```
      "preExtractionHookConfiguration": {
         "invocationCondition": {
            "key": "string",
            "operator": "string",
            "value": { ... }
         },
         "lambdaArn": "string",
         "roleArn": "string",
         "s3BucketName": "string"
      }
   },
   "error": {
      "errorCode": "string",
      "errorMessage": "string"
   },
   "indexId": "string",
   "mediaExtractionConfiguration": {
      "audioExtractionConfiguration": {
         "audioExtractionStatus": "string"
      },
      "imageExtractionConfiguration": {
         "imageExtractionStatus": "string"
      },
      "videoExtractionConfiguration": {
         "videoExtractionStatus": "string"
      }
   },
   "roleArn": "string",
   "status": "string",
   "syncSchedule": "string",
   "type": "string",
   "updatedAt": number,
   "vpcConfiguration": {
      "securityGroupIds": [ "string" ],
      "subnetIds": [ "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.

applicationId

The identifier of the Amazon Q Business application.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

configuration

The details of how the data source connector is configured.

Type: JSON value

createdAt

The Unix timestamp when the data source connector was created.

Type: Timestamp

dataSourceArn

The Amazon Resource Name (ARN) of the data source.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

dataSourceId

The identifier of the data source connector.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

description

The description for the data source connector.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

displayName

The name for the data source connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

documentEnrichmentConfiguration

Provides the configuration information for altering document metadata and content during the document ingestion process.

For more information, see Custom document enrichment.

Type: DocumentEnrichmentConfiguration object

error

When the `Status` field value is `FAILED`, the `ErrorMessage` field contains a description of the error that caused the data source connector to fail.

Type: ErrorDetail object

indexId

The identifier of the index linked to the data source connector.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

mediaExtractionConfiguration

The configuration for extracting information from media in documents for the data source.

Type: MediaExtractionConfiguration object

roleArn

The Amazon Resource Name (ARN) of the role with permission to access the data source and required resources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

status

The current status of the data source connector. When the `Status` field value is `FAILED`, the `ErrorMessage` field contains a description of the error that caused the data source connector to fail.

Type: String

Valid Values: `PENDING_CREATION | CREATING | ACTIVE | DELETING | FAILED | UPDATING`

syncSchedule

The schedule for Amazon Q Business to update the index.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 998.

Pattern: `[\s\S]*`

type

The type of the data source connector. For example, S3.

Type: String

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

updatedAt

The Unix timestamp when the data source connector was last updated.

Type: Timestamp

vpcConfiguration

Configuration information for an Amazon VPC (Virtual Private Cloud) to connect to your data source.

Type: DataSourceVpcConfiguration object

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetDocumentContent

Service: QBusiness

Retrieves the content of a document that was ingested into Amazon Q Business. This API validates user authorization against document ACLs before returning a pre-signed URL for secure document access. You can download or view source documents referenced in chat responses through the URL.

Request Syntax

```
GET /applications/applicationId/index/indexId/documents/documentId/content?
dataSourceId=dataSourceId&outputFormat=outputFormat HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application containing the document. This ensures the request is scoped to the correct application environment and its associated security policies.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source from which the document was ingested. This field is not present if the document is ingested by directly calling the BatchPutDocument API. If the document is from a file-upload data source, the datasource will be "uploaded-docs-file-stat-datasourceid".

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

documentId

The unique identifier of the document that is indexed via BatchPutDocument API or file-upload or connector sync. It is also found in chat or chatSync response.

Length Constraints: Minimum length of 1. Maximum length of 1825.

Pattern: `\P{C}*`

Required: Yes

indexId

The identifier of the index where documents are indexed.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

outputFormat

Document outputFormat. Defaults to RAW if not selected.

Valid Values: `RAW | EXTRACTED`

Request Body

The request does not have a request body.

Response Syntax

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

{
   "mimeType": "string",
   "presignedUrl": "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.

mimeType

The MIME type of the document content. When outputFormat is RAW, this corresponds to the original document's MIME type (e.g., application/pdf, text/plain, application/vnd.openxmlformats-officedocument.wordprocessingml.document). When outputFormat is EXTRACTED, the MIME type is always application/json.

Type: String

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

presignedUrl

A pre-signed URL that provides temporary access to download the document content directly from Amazon Q Business. The URL expires after 5 minutes for security purposes. This URL is generated only after successful ACL validation.

Type: String

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetGroup

Service: QBusiness

Describes a group by group name.

Request Syntax

```
GET /applications/applicationId/indices/indexId/groups/groupName?
dataSourceId=dataSourceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application id the group is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source the group is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

groupName

The name of the group.

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

Pattern: `\P{C}*`

Required: Yes

indexId

The identifier of the index the group is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "status": {
      "errorDetail": {
         "errorCode": "string",
         "errorMessage": "string"
      },
      "lastUpdatedAt": number,
      "status": "string"
   },
   "statusHistory": [
      {
         "errorDetail": {
            "errorCode": "string",
            "errorMessage": "string"
         },
         "lastUpdatedAt": number,
         "status": "string"
      }
   ]
}
```

Response Elements

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

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

status

The current status of the group.

Type: GroupStatusDetail object

statusHistory

The status history of the group.

Type: Array of GroupStatusDetail objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetIndex

Service: QBusiness

Gets information about an existing Amazon Q Business index.

Request Syntax

```
GET /applications/applicationId/indices/indexId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application connected to the index.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the Amazon Q Business index you want information on.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "applicationId": "string",
   "capacityConfiguration": {
      "units": number
   },
   "createdAt": number,
   "description": "string",
   "displayName": "string",
   "documentAttributeConfigurations": [
      {
         "name": "string",
         "search": "string",
         "type": "string"
      }
   ],
   "error": {
      "errorCode": "string",
      "errorMessage": "string"
   },
   "indexArn": "string",
   "indexId": "string",
   "indexStatistics": {
      "textDocumentStatistics": {
         "indexedTextBytes": number,
         "indexedTextDocumentCount": number
      }
   },
   "status": "string",
   "type": "string",
   "updatedAt": number
}
```

Response Elements

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

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

applicationId

The identifier of the Amazon Q Business application associated with the index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

capacityConfiguration

The storage capacity units chosen for your Amazon Q Business index.

Type: IndexCapacityConfiguration object

createdAt

The Unix timestamp when the Amazon Q Business index was created.

Type: Timestamp

description

The description for the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

displayName

The name of the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

documentAttributeConfigurations

Configuration information for document attributes or metadata. Document metadata are fields associated with your documents. For example, the company department name associated with each document. For more information, see Understanding document attributes.

Type: Array of DocumentAttributeConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 500 items.

error

When the `Status` field value is `FAILED`, the `ErrorMessage` field contains a message that explains why.

Type: ErrorDetail object

indexArn

The Amazon Resource Name (ARN) of the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

indexId

The identifier of the Amazon Q Business index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

indexStatistics

Provides information about the number of documents indexed.

Type: IndexStatistics object

status

The current status of the index. When the value is `ACTIVE`, the index is ready for use. If the `Status` field value is `FAILED`, the `ErrorMessage` field contains a message that explains why.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | FAILED | UPDATING`

type

The type of index attached to your Amazon Q Business application.

Type: String

Valid Values: `ENTERPRISE | STARTER`

updatedAt

The Unix timestamp when the Amazon Q Business index was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetMedia

Service: QBusiness

Returns the image bytes corresponding to a media object. If you have implemented your own application with the Chat and ChatSync APIs, and have enabled content extraction from visual data in Amazon Q Business, you use the GetMedia API operation to download the images so you can show them in your UI with responses.

For more information, see Extracting semantic meaning from images and visuals.

Request Syntax

```
GET /applications/applicationId/conversations/conversationId/messages/messageId/
media/mediaId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business which contains the media object.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

conversationId

The identifier of the Amazon Q Business conversation.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

mediaId

The identifier of the media object. You can find this in the `sourceAttributions` returned by the `Chat`, `ChatSync`, and `ListMessages` API responses.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

messageId

The identifier of the Amazon Q Business message.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "mediaBytes": blob,
   "mediaMimeType": "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.

mediaBytes

The base64-encoded bytes of the media object.

Type: Base64-encoded binary data object

mediaMimeType

The MIME type of the media object (image/png).

Type: String

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

MediaTooLargeException

The requested media object is too large to be returned.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetPlugin

Service: QBusiness

Gets information about an existing Amazon Q Business plugin.

Request Syntax

```
GET /applications/applicationId/plugins/pluginId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application which contains the plugin.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

pluginId

The identifier of the plugin.

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "applicationId": "string",
   "authConfiguration": { ... },
   "buildStatus": "string",
   "createdAt": number,
   "customPluginConfiguration": {
      "apiSchema": { ... },
      "apiSchemaType": "string",
      "description": "string"
   },
   "displayName": "string",
   "pluginArn": "string",
   "pluginId": "string",
   "serverUrl": "string",
   "state": "string",
   "type": "string",
   "updatedAt": number
}
```

Response Elements

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

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

applicationId

The identifier of the application which contains the plugin.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

authConfiguration

Authentication configuration information for an Amazon Q Business plugin.

Type: PluginAuthConfiguration object

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

buildStatus

The current status of a plugin. A plugin is modified asynchronously.

Type: String

Valid Values: `READY | CREATE_IN_PROGRESS | CREATE_FAILED | UPDATE_IN_PROGRESS | UPDATE_FAILED | DELETE_IN_PROGRESS | DELETE_FAILED`

createdAt

The timestamp for when the plugin was created.

Type: Timestamp

customPluginConfiguration

Configuration information required to create a custom plugin.

Type: CustomPluginConfiguration object

displayName

The name of the plugin.

Type: String

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

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

pluginArn

The Amazon Resource Name (ARN) of the role with permission to access resources needed to create the plugin.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

pluginId

The identifier of the plugin.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

serverUrl

The source URL used for plugin configuration.

Type: String

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

Pattern: `(https?|ftp|file)://([^\s]*)`

state

The current state of the plugin.

Type: String

Valid Values: `ENABLED | DISABLED`

type

The type of the plugin.

Type: String

Valid Values: `SERVICE_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM | QUICKSIGHT | SERVICENOW_NOW_PLATFORM | JIRA_CLOUD | SALESFORCE_CRM | ZENDESK_SUITE | ATLASSIAN_CONFLUENCE | GOOGLE_CALENDAR | MICROSOFT_TEAMS | MICROSOFT_EXCHANGE | PAGERDUTY_ADVANCE | SMARTSHEET | ASANA`

updatedAt

The timestamp for when the plugin was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

GetPolicy

Service: QBusiness

Retrieves the current permission policy for a Amazon Q Business application. The policy is returned as a JSON-formatted string and defines the IAM actions that are allowed or denied for the application's resources.

Request Syntax

```
GET /applications/applicationId/policy HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "policy": "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.

policy

The JSON representation of the permission policy.

Type: String

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetRetriever

Service: QBusiness

Gets information about an existing retriever used by an Amazon Q Business application.

Request Syntax

```
GET /applications/applicationId/retrievers/retrieverId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application using the retriever.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

retrieverId

The identifier of the retriever.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "applicationId": "string",
   "configuration": { ... },
   "createdAt": number,
   "displayName": "string",
   "retrieverArn": "string",
   "retrieverId": "string",
   "roleArn": "string",
   "status": "string",
   "type": "string",
   "updatedAt": number
}
```

Response Elements

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

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

applicationId

The identifier of the Amazon Q Business application using the retriever.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

configuration

Provides information on how the retriever used for your Amazon Q Business application is configured.

Type: RetrieverConfiguration object

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

createdAt

The Unix timestamp when the retriever was created.

Type: Timestamp

displayName

The name of the retriever.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

retrieverArn

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

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

retrieverId

The identifier of the retriever.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

roleArn

The Amazon Resource Name (ARN) of the role with the permission to access the retriever and required resources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

status

The status of the retriever.

Type: String

Valid Values: `CREATING | ACTIVE | FAILED`

type

The type of the retriever.

Type: String

Valid Values: `NATIVE_INDEX | KENDRA_INDEX`

updatedAt

The Unix timestamp when the retriever was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetUser

Service: QBusiness

Describes the universally unique identifier (UUID) associated with a local user in a data source.

Request Syntax

```
GET /applications/applicationId/users/userId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application connected to the user.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

userId

The user email address attached to the user.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
   "userAliases": [
      {
         "dataSourceId": "string",
         "indexId": "string",
         "userId": "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.

userAliases

A list of user aliases attached to a user.

Type: Array of UserAlias objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

GetWebExperience

Service: QBusiness

Gets information about an existing Amazon Q Business web experience.

Request Syntax

```
GET /applications/applicationId/experiences/webExperienceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application linked to the web experience.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

webExperienceId

The identifier of the Amazon Q Business web experience.

Length Constraints: Fixed length of 36.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "applicationId": "string",
   "authenticationConfiguration": { ... },
   "browserExtensionConfiguration": {
      "enabledBrowserExtensions": [ "string" ]
   },
   "createdAt": number,
   "customizationConfiguration": {
      "customCSSUrl": "string",
      "faviconUrl": "string",
      "fontUrl": "string",
      "logoUrl": "string"
   },
   "defaultEndpoint": "string",
   "error": {
      "errorCode": "string",
      "errorMessage": "string"
   },
   "identityProviderConfiguration": { ... },
   "origins": [ "string" ],
   "roleArn": "string",
   "samplePromptsControlMode": "string",
   "status": "string",
   "subtitle": "string",
   "title": "string",
   "updatedAt": number,
   "webExperienceArn": "string",
   "webExperienceId": "string",
   "welcomeMessage": "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.

applicationId

The identifier of the Amazon Q Business application linked to the web experience.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

authenticationConfiguration

This parameter has been deprecated.

The authentication configuration information for your Amazon Q Business web experience.

Type: WebExperienceAuthConfiguration object

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

browserExtensionConfiguration

The browser extension configuration for an Amazon Q Business web experience.

Type: BrowserExtensionConfiguration object

createdAt

The Unix timestamp when the Amazon Q Business web experience was last created.

Type: Timestamp

customizationConfiguration

Gets the custom logo, favicon, font, and color used in the Amazon Q web experience.

Type: CustomizationConfiguration object

defaultEndpoint

The endpoint of your Amazon Q Business web experience.

Type: String

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

Pattern: `(https?|ftp|file)://([^\s]*)`

error

When the `Status` field value is `FAILED`, the `ErrorMessage` field contains a description of the error that caused the data source connector to fail.

Type: ErrorDetail object

identityProviderConfiguration

Information about the identity provider (IdP) used to authenticate end users of an Amazon Q Business web experience.

Type: IdentityProviderConfiguration object

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

origins

Gets the website domain origins that are allowed to embed the Amazon Q Business web experience. The *domain origin* refers to the base URL for accessing a website including the protocol (`http/https`), the domain name, and the port number (if specified).

Type: Array of strings

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

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

Pattern: `(http://|https://)[a-zA-Z0-9-_.]+(?::[0-9]{1,5})?`

roleArn

The Amazon Resource Name (ARN) of the service role attached to your web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

samplePromptsControlMode

Determines whether sample prompts are enabled in the web experience for an end user.

Type: String

Valid Values: `ENABLED | DISABLED`

status

The current status of the Amazon Q Business web experience. When the `Status` field value is `FAILED`, the `ErrorMessage` field contains a description of the error that caused the data source connector to fail.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | FAILED | PENDING_AUTH_CONFIG`

subtitle

The subtitle for your Amazon Q Business web experience.

Type: String

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

Pattern: `[\s\S]*`

title

The title for your Amazon Q Business web experience.

Type: String

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

Pattern: `[\s\S]*`

updatedAt

The Unix timestamp when the Amazon Q Business web experience was last updated.

Type: Timestamp

webExperienceArn

The Amazon Resource Name (ARN) of the role with the permission to access the Amazon Q Business web experience and required resources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

webExperienceId

The identifier of the Amazon Q Business web experience.

Type: String

Length Constraints: Fixed length of 36.

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

welcomeMessage

The customized welcome message for end users of an Amazon Q Business web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListApplications

Service: QBusiness

Lists Amazon Q Business applications.

> **Note**
>
> Amazon Q Business applications may securely transmit data for processing across AWS Regions within your geography. For more information, see Cross region inference in Amazon Q Business.

Request Syntax

```
GET /applications?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of Amazon Q Business applications to return.

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

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business applications.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "applications": [
      {
         "applicationId": "string",
         "createdAt": number,
         "displayName": "string",
         "identityType": "string",
         "quickSightConfiguration": {
            "clientNamespace": "string"
         },
         "status": "string",
         "updatedAt": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

applications

An array of summary information on the configuration of one or more Amazon Q Business applications.

Type: Array of Application objects

nextToken

If the response is truncated, Amazon Q Business returns this token. You can use this token in a subsequent request to retrieve the next set of applications.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Python
- AWS SDK for Ruby V3

ListAttachments

Service: QBusiness

Gets a list of attachments associated with an Amazon Q Business web experience or a list of attachements associated with a specific Amazon Q Business conversation.

Request Syntax

```
GET /applications/applicationId/attachments?
conversationId=conversationId&maxResults=maxResults&nextToken=nextToken&userId=userId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier for the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

conversationId

The unique identifier of the Amazon Q Business web experience conversation.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

maxResults

The maximum number of attachements to return.

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

nextToken

If the number of attachments returned exceeds `maxResults`, Amazon Q Business returns a next token as a pagination token to retrieve the next set of attachments.

Length Constraints: Minimum length of 1. Maximum length of 800.

userId

The unique identifier of the user involved in the Amazon Q Business web experience conversation.

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

Pattern: \P{C}*

Request Body

The request does not have a request body.

Response Syntax

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

{
   "attachments": [
      {
         "attachmentId": "string",
         "conversationId": "string",
         "copyFrom": { ... },
         "createdAt": number,
         "error": {
            "errorCode": "string",
            "errorMessage": "string"
         },
         "fileSize": number,
         "fileType": "string",
         "md5chksum": "string",
         "name": "string",
         "status": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

attachments

An array of information on one or more attachments.

Type: Array of Attachment objects

nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of attachments.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListChatResponseConfigurations

Service: QBusiness

Retrieves a list of all chat response configurations available in a specified Amazon Q Business application. This operation returns summary information about each configuration to help administrators manage and select appropriate response settings.

Request Syntax

```
GET /applications/applicationId/chatresponseconfigurations?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application for which to list available chat response configurations.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of chat response configurations to return in a single response. This parameter helps control pagination of results when many configurations exist.

nextToken

A pagination token used to retrieve the next set of results when the number of configurations exceeds the specified `maxResults` value.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "chatResponseConfigurations": [
      {
         "chatResponseConfigurationArn": "string",
         "chatResponseConfigurationId": "string",
         "createdAt": number,
         "displayName": "string",
         "responseConfigurationSummary": "string",
         "status": "string",
         "updatedAt": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

chatResponseConfigurations

A list of chat response configuration summaries, each containing key information about an available configuration in the specified application.

Type: Array of ChatResponseConfiguration objects

nextToken

A pagination token that can be used in a subsequent request to retrieve additional chat response configurations if the results were truncated due to the `maxResults` parameter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

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

ListConversations

Service: QBusiness

Lists one or more Amazon Q Business conversations.

Request Syntax

```
GET /applications/applicationId/conversations?
maxResults=maxResults&nextToken=nextToken&userId=userId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of Amazon Q Business conversations to return.

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

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business conversations.

Length Constraints: Minimum length of 1. Maximum length of 800.

userId

The identifier of the user involved in the Amazon Q Business web experience conversation.

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

Pattern: \P{C}*

Request Body

The request does not have a request body.

Response Syntax

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

{
   "conversations": [
      {
         "conversationId": "string",
         "startTime": number,
         "title": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

conversations

An array of summary information on the configuration of one or more Amazon Q Business web experiences.

Type: Array of Conversation objects

nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of messages.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListDataAccessors

Service: QBusiness

Lists the data accessors for a Amazon Q Business application. This operation returns a paginated list of data accessor summaries, including the friendly name, unique identifier, ARN, associated IAM role, and creation/update timestamps for each data accessor.

Request Syntax

```
GET /applications/applicationId/dataaccessors?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 10.

nextToken

The token for the next set of results. (You received this token from a previous call.)

Length Constraints: Minimum length of 1. Maximum length of 1500.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "dataAccessors": [
      {
         "authenticationDetail": {
            "authenticationConfiguration": { ... },
            "authenticationType": "string",
            "externalIds": [ "string" ]
         },
         "createdAt": number,
         "dataAccessorArn": "string",
         "dataAccessorId": "string",
         "displayName": "string",
         "idcApplicationArn": "string",
         "principal": "string",
         "updatedAt": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

dataAccessors

The list of data accessors.

Type: Array of DataAccessor objects

nextToken

The token to use to retrieve the next set of results, if there are any.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

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

ListDataSources

Service: QBusiness

Lists the Amazon Q Business data source connectors that you have created.

Request Syntax

```
GET /applications/applicationId/indices/indexId/datasources?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application linked to the data source connectors.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the index used with one or more data source connectors.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of data source connectors to return.

Valid Range: Minimum value of 1. Maximum value of 10.

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business data source connectors.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "dataSources": [
      {
         "createdAt": number,
         "dataSourceId": "string",
         "displayName": "string",
         "status": "string",
         "type": "string",
         "updatedAt": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

dataSources

An array of summary information for one or more data source connector.

Type: Array of DataSource objects

nextToken

If the response is truncated, Amazon Q Business returns this token. You can use this token in a subsequent request to retrieve the next set of data source connectors.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListDataSourceSyncJobs

Service: QBusiness

Get information about an Amazon Q Business data source connector synchronization.

Request Syntax

```
GET /applications/applicationId/indices/indexId/datasources/dataSourceId/syncjobs?
endTime=endTime&maxResults=maxResults&nextToken=nextToken&startTime=startTime&syncStatus=status
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application connected to the data source.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

endTime

The end time of the data source connector sync.

indexId

The identifier of the index used with the Amazon Q Business data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of synchronization jobs to return in the response.

Valid Range: Minimum value of 1. Maximum value of 10.

nextToken

If the `maxResults` response was incpmplete because there is more data to retriever, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of responses.

Length Constraints: Minimum length of 1. Maximum length of 800.

startTime

The start time of the data source connector sync.

statusFilter

Only returns synchronization jobs with the `Status` field equal to the specified status.

Valid Values: `FAILED | SUCCEEDED | SYNCING | INCOMPLETE | STOPPING | ABORTED | SYNCING_INDEXING`

Request Body

The request does not have a request body.

Response Syntax

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

{
   "history": [
      {
         "dataSourceErrorCode": "string",
         "endTime": number,
```

```
         "error": {
            "errorCode": "string",
            "errorMessage": "string"
         },
         "executionId": "string",
         "metrics": {
            "documentsAdded": "string",
            "documentsDeleted": "string",
            "documentsFailed": "string",
            "documentsModified": "string",
            "documentsScanned": "string"
         },
         "startTime": number,
         "status": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

history

A history of synchronization jobs for the data source connector.

Type: Array of DataSourceSyncJob objects

nextToken

If the response is truncated, Amazon Q Business returns this token. You can use this token in any subsequent request to retrieve the next set of jobs.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListDocuments

Service: QBusiness

A list of documents attached to an index.

Request Syntax

```
GET /applications/applicationId/index/indexId/documents?
dataSourceIds=dataSourceIds&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application id the documents are attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceIds

The identifier of the data sources the documents are attached to.

Array Members: Fixed number of 1 item.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

indexId

The identifier of the index the documents are attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of documents to return.

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

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of documents.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "documentDetailList": [
      {
         "createdAt": number,
         "documentId": "string",
         "error": {
            "errorCode": "string",
            "errorMessage": "string"
         },
         "status": "string",
         "updatedAt": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

documentDetailList

A list of document details.

Type: Array of DocumentDetails objects

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of documents.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListGroups

Service: QBusiness

Provides a list of groups that are mapped to users.

Request Syntax

```
GET /applications/applicationId/indices/indexId/groups?
dataSourceId=dataSourceId&maxResults=maxResults&nextToken=nextToken&updatedEarlierThan=updatedE
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application for getting a list of groups mapped to users.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source for getting a list of groups mapped to users.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

indexId

The identifier of the index for getting a list of groups mapped to users.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of returned groups that are mapped to users.

Valid Range: Minimum value of 1. Maximum value of 10.

nextToken

If the previous response was incomplete (because there is more data to retrieve), Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of groups that are mapped to users.

Length Constraints: Minimum length of 1. Maximum length of 800.

updatedEarlierThan

The timestamp identifier used for the latest PUT or DELETE action for mapping users to their groups.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "items": [
      {
         "groupName": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

items

Summary information for list of groups that are mapped to users.

Type: Array of GroupSummary objects

nextToken

If the response is truncated, Amazon Q Business returns this token that you can use in the subsequent request to retrieve the next set of groups that are mapped to users.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListIndices

Service: QBusiness

Lists the Amazon Q Business indices you have created.

Request Syntax

```
GET /applications/applicationId/indices?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application connected to the index.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of indices to return.

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

nextToken

If the maxResults response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business indices.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "indices": [
      {
         "createdAt": number,
         "displayName": "string",
         "indexId": "string",
         "status": "string",
         "updatedAt": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

indices

An array of information on the items in one or more indexes.

Type: Array of Index objects

nextToken

If the response is truncated, Amazon Q Business returns this token that you can use in the subsequent request to retrieve the next set of indexes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

ListMessages

Service: QBusiness

Gets a list of messages associated with an Amazon Q Business web experience.

Request Syntax

```
GET /applications/applicationId/conversations/conversationId?
maxResults=maxResults&nextToken=nextToken&userId=userId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier for the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

conversationId

The identifier of the Amazon Q Business web experience conversation.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of messages to return.

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

nextToken

If the number of messages returned exceeds `maxResults`, Amazon Q Business returns a next token as a pagination token to retrieve the next set of messages.

Length Constraints: Minimum length of 1. Maximum length of 800.

userId

The identifier of the user involved in the Amazon Q Business web experience conversation.

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

Pattern: \P{C}*

Request Body

The request does not have a request body.

Response Syntax

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

{
   "messages": [
      {
         "actionExecution": {
            "payload": {
               "string" : {
                  "value": JSON value
               }
            },
            "payloadFieldNameSeparator": "string",
            "pluginId": "string"
         },
         "actionReview": {
            "payload": {
               "string" : {
                  "allowedFormat": "string",
                  "allowedValues": [
                     {
                        "displayValue": JSON value,
                        "value": JSON value
                     }
                  ],
                  "arrayItemJsonSchema": JSON value,
                  "displayDescription": "string",
                  "displayName": "string",
                  "displayOrder": number,
```

```
                "required": boolean,
                "type": "string",
                "value": JSON value
            }
        },
        "payloadFieldNameSeparator": "string",
        "pluginId": "string",
        "pluginType": "string"
    },
    "attachments": [
        {
            "attachmentId": "string",
            "conversationId": "string",
            "error": {
                "errorCode": "string",
                "errorMessage": "string"
            },
            "name": "string",
            "status": "string"
        }
    ],
    "body": "string",
    "messageId": "string",
    "sourceAttribution": [
        {
            "citationNumber": number,
            "datasourceId": "string",
            "documentId": "string",
            "indexId": "string",
            "snippet": "string",
            "textMessageSegments": [
                {
                    "beginOffset": number,
                    "endOffset": number,
                    "mediaId": "string",
                    "mediaMimeType": "string",
                    "snippetExcerpt": {
                        "text": "string"
                    },
                    "sourceDetails": { ... }
                }
            ],
            "title": "string",
            "updatedAt": number,
```

```
                "url": "string"
            }
         ],
         "time": number,
         "type": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

messages

An array of information on one or more messages.

Type: Array of Message objects

nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of messages.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

ListPluginActions

Service: QBusiness

Lists configured Amazon Q Business actions for a specific plugin in an Amazon Q Business application.

Request Syntax

```
GET /applications/applicationId/plugins/pluginId/actions?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application the plugin is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of plugin actions to return.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If the number of plugin actions returned exceeds `maxResults`, Amazon Q Business returns a next token as a pagination token to retrieve the next set of plugin actions.

Length Constraints: Minimum length of 1. Maximum length of 800.

pluginId

The identifier of the Amazon Q Business plugin.

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "items": [
      {
         "actionIdentifier": "string",
         "description": "string",
         "displayName": "string",
         "instructionExample": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

items

An array of information on one or more plugin actions.

Type: Array of ActionSummary objects

nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of plugin actions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListPlugins

Service: QBusiness

Lists configured Amazon Q Business plugins.

Request Syntax

```
GET /applications/applicationId/plugins?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application the plugin is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of documents to return.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of plugins.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "plugins": [
      {
         "buildStatus": "string",
         "createdAt": number,
         "displayName": "string",
         "pluginId": "string",
         "serverUrl": "string",
         "state": "string",
         "type": "string",
         "updatedAt": number
      }
   ]
}
```

Response Elements

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

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

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of plugins.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

plugins

Information about a configured plugin.

Type: Array of Plugin objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

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

ListPluginTypeActions

Service: QBusiness

Lists configured Amazon Q Business actions for any plugin type—both built-in and custom.

Request Syntax

```
GET /pluginTypes/pluginType/actions?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of plugins to return.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If the number of plugins returned exceeds `maxResults`, Amazon Q Business returns a next token as a pagination token to retrieve the next set of plugins.

Length Constraints: Minimum length of 1. Maximum length of 800.

pluginType

The type of the plugin.

Valid Values: `SERVICE_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM | QUICKSIGHT | SERVICENOW_NOW_PLATFORM | JIRA_CLOUD | SALESFORCE_CRM | ZENDESK_SUITE | ATLASSIAN_CONFLUENCE | GOOGLE_CALENDAR | MICROSOFT_TEAMS | MICROSOFT_EXCHANGE | PAGERDUTY_ADVANCE | SMARTSHEET | ASANA`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "items": [
      {
         "actionIdentifier": "string",
         "description": "string",
         "displayName": "string",
         "instructionExample": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

items

An array of information on one or more plugins.

Type: Array of ActionSummary objects

nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of plugins.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Python
- AWS SDK for Ruby V3

ListPluginTypeMetadata

Service: QBusiness

Lists metadata for all Amazon Q Business plugin types.

Request Syntax

```
GET /pluginTypeMetadata?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of plugin metadata items to return.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If the metadata returned exceeds `maxResults`, Amazon Q Business returns a next token as a pagination token to retrieve the next set of metadata.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "items": [
      {
         "category": "string",
         "description": "string",
         "type": "string"
```

```
        }
    ],
    "nextToken": "string"
}
```

Response Elements

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

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

items

An array of information on plugin metadata.

Type: Array of PluginTypeMetadataSummary objects

nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of plugin metadata.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListRetrievers

Service: QBusiness

Lists the retriever used by an Amazon Q Business application.

Request Syntax

```
GET /applications/applicationId/retrievers?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application using the retriever.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of retrievers returned.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If the number of retrievers returned exceeds `maxResults`, Amazon Q Business returns a next token as a pagination token to retrieve the next set of retrievers.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "retrievers": [
      {
         "applicationId": "string",
         "displayName": "string",
         "retrieverId": "string",
         "status": "string",
         "type": "string"
      }
   ]
}
```

Response Elements

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

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

nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of retrievers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

retrievers

An array of summary information for one or more retrievers.

Type: Array of Retriever objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

ListSubscriptions

Service: QBusiness

Lists all subscriptions created in an Amazon Q Business application.

Request Syntax

```
GET /applications/applicationId/subscriptions?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application linked to the subscription.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of Amazon Q Business subscriptions to return.

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

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business subscriptions.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "subscriptions": [
      {
         "currentSubscription": {
            "type": "string"
         },
         "nextSubscription": {
            "type": "string"
         },
         "principal": { ... },
         "subscriptionArn": "string",
         "subscriptionId": "string"
      }
   ]
}
```

Response Elements

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

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

nextToken

If the response is truncated, Amazon Q Business returns this token. You can use this token in a subsequent request to retrieve the next set of subscriptions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

subscriptions

An array of summary information on the subscriptions configured for an Amazon Q Business application.

Type: Array of Subscription objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListTagsForResource

Service: QBusiness

Gets a list of tags associated with a specified resource. Amazon Q Business applications and data sources can have tags associated with them.

Request Syntax

```
GET /v1/tags/resourceARN HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceARN

The Amazon Resource Name (ARN) of the Amazon Q Business application or data source to get a list of tags for.

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": [
      {
         "key": "string",
         "value": "string"
      }
   ]
}
```

Response Elements

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

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

tags

A list of tags associated with the Amazon Q Business application or data source.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

ListWebExperiences

Service: QBusiness

Lists one or more Amazon Q Business Web Experiences.

Request Syntax

```
GET /applications/applicationId/experiences?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application linked to the listed web experiences.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

maxResults

The maximum number of Amazon Q Business Web Experiences to return.

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

nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business conversations.

Length Constraints: Minimum length of 1. Maximum length of 800.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "webExperiences": [
      {
         "createdAt": number,
         "defaultEndpoint": "string",
         "status": "string",
         "updatedAt": number,
         "webExperienceId": "string"
      }
   ]
}
```

Response Elements

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

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

nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of messages.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

webExperiences

An array of summary information for one or more Amazon Q Business experiences.

Type: Array of WebExperience objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

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

PutFeedback

Service: QBusiness

Enables your end user to provide feedback on their Amazon Q Business generated chat responses.

Request Syntax

```
POST /applications/applicationId/conversations/conversationId/messages/messageId/
feedback?userId=userId HTTP/1.1
Content-type: application/json

{
   "messageCopiedAt": number,
   "messageUsefulness": {
      "comment": "string",
      "reason": "string",
      "submittedAt": number,
      "usefulness": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application associated with the feedback.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

conversationId

The identifier of the conversation the feedback is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

messageId

The identifier of the chat message that the feedback was given for.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

userId

The identifier of the user giving the feedback.

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

Pattern: `\P{C}*`

Request Body

The request accepts the following data in JSON format.

messageCopiedAt

The timestamp for when the feedback was recorded.

Type: Timestamp

Required: No

messageUsefulness

The feedback usefulness value given by the user to the chat message.

Type: MessageUsefulnessFeedback object

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

PutGroup

Service: QBusiness

Create, or updates, a mapping of users—who have access to a document—to groups.

You can also map sub groups to groups. For example, the group "Company Intellectual Property Teams" includes sub groups "Research" and "Engineering". These sub groups include their own list of users or people who work in these teams. Only users who work in research and engineering, and therefore belong in the intellectual property group, can see top-secret company documents in their Amazon Q Business chat results.

There are two options for creating groups, either passing group members inline or using an S3 file via the S3PathForGroupMembers field. For inline groups, there is a limit of 1000 members per group and for provided S3 files there is a limit of 100 thousand members. When creating a group using an S3 file, you provide both an S3 file and a `RoleArn` for Amazon Q Buisness to access the file.

Request Syntax

```
PUT /applications/applicationId/indices/indexId/groups HTTP/1.1
Content-type: application/json

{
   "dataSourceId": "string",
   "groupMembers": {
      "memberGroups": [
         {
            "groupName": "string",
            "type": "string"
         }
      ],
      "memberUsers": [
         {
            "type": "string",
            "userId": "string"
         }
      ],
      "s3PathForGroupMembers": {
         "bucket": "string",
         "key": "string"
      }
   },
```

```
    "groupName": "string",
    "roleArn": "string",
    "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application in which the user and group mapping belongs.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the index in which you want to map users to their groups.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

dataSourceId

The identifier of the data source for which you want to map users to their groups. This is useful if a group is tied to multiple data sources, but you only want the group to access documents of a certain data source. For example, the groups "Research", "Engineering", and "Sales and Marketing" are all tied to the company's documents stored in the data sources Confluence and Salesforce. However, "Sales and Marketing" team only needs access to customer-related documents stored in Salesforce.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

groupMembers

A list of users or sub groups that belong to a group. This is for generating Amazon Q Business chat results only from document a user has access to.

Type: GroupMembers object

Required: Yes

groupName

The list that contains your users or sub groups that belong the same group. For example, the group "Company" includes the user "CEO" and the sub groups "Research", "Engineering", and "Sales and Marketing".

Type: String

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

Pattern: `\P{C}*`

Required: Yes

roleArn

The Amazon Resource Name (ARN) of an IAM role that has access to the S3 file that contains your list of users that belong to a group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

type

The type of the group.

Type: String

Valid Values: `INDEX | DATASOURCE`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

Examples

PutGroup S3 File

The following is an example of an S3 file for declaring a group.

```
{
   "members": [
       {
           "id": "group1",
           "type": "GROUP",
           "dataSourceId": "group-data-source-id"
       },
       {
           "id": "group2",
           "type": "GROUP"
       },
       {
           "id": "user1",
           "type": "USER",
           "dataSourceId": "group-data-source-id"
       },
```

```
        {
            "id": "user2",
            "type": "USER",
            "dataSourceId": "group-data-source-id"
        }
    ]
}
```

PutGroup IAM Role

The following is an example of an IAM Role Policy for accessing the S3 bucket containg your Group file.

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": [
                "s3:GetObject"
            ],
            "Resource": [
                "arn:aws:s3:::bucket-name/*"
            ]
        }
    ]
}
```

See Also

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

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

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

SearchRelevantContent

Service: QBusiness

Searches for relevant content in a Amazon Q Business application based on a query. This operation takes a search query text, the Amazon Q Business application identifier, and optional filters (such as content source and maximum results) as input. It returns a list of relevant content items, where each item includes the content text, the unique document identifier, the document title, the document URI, any relevant document attributes, and score attributes indicating the confidence level of the relevance.

Request Syntax

```
POST /applications/applicationId/relevant-content HTTP/1.1
Content-type: application/json

{
   "attributeFilter": {
      "andAllFilters": [
         "AttributeFilter"
      ],
      "containsAll": {
         "name": "string",
         "value": { ... }
      },
      "containsAny": {
         "name": "string",
         "value": { ... }
      },
      "equalsTo": {
         "name": "string",
         "value": { ... }
      },
      "greaterThan": {
         "name": "string",
         "value": { ... }
      },
      "greaterThanOrEquals": {
         "name": "string",
         "value": { ... }
      },
      "lessThan": {
         "name": "string",
```

```
            "value": { ... }
         },
         "lessThanOrEquals": {
            "name": "string",
            "value": { ... }
         },
         "notFilter": "AttributeFilter",
         "orAllFilters": [
            "AttributeFilter"
         ]
      },
      "contentSource": { ... },
      "maxResults": number,
      "nextToken": "string",
      "queryText": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application to search.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

attributeFilter

Enables filtering of responses based on document attributes or metadata fields.

Type: AttributeFilter object

Required: No

contentSource

The source of content to search in.

Type: ContentSource object

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

Required: Yes

maxResults

The maximum number of results to return.

Type: Integer

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

Required: No

nextToken

The token for the next set of results. (You received this token from a previous call.)

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Required: No

queryText

The text to search for.

Type: String

Required: Yes

Response Syntax

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

{
```

```
   "nextToken": "string",
   "relevantContent": [
      {
         "content": "string",
         "documentAttributes": [
            {
               "name": "string",
               "value": { ... }
            }
         ],
         "documentId": "string",
         "documentTitle": "string",
         "documentUri": "string",
         "scoreAttributes": {
            "scoreConfidence": "string"
         }
      }
   ]
}
```

Response Elements

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

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

nextToken

The token to use to retrieve the next set of results, if there are any.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

relevantContent

The list of relevant content items found.

Type: Array of RelevantContent objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

LicenseNotFoundException

You don't have permissions to perform the action because your license is inactive. Ask your admin to activate your license and try again after your licence is active.

HTTP Status Code: 400

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

StartDataSourceSyncJob

Service: QBusiness

Starts a data source connector synchronization job. If a synchronization job is already in progress, Amazon Q Business returns a `ConflictException`.

Request Syntax

```
POST /applications/applicationId/indices/indexId/datasources/dataSourceId/startsync
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of Amazon Q Business application the data source is connected to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the index used with the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "executionId": "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.

executionId

The identifier for a particular synchronization job.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

StopDataSourceSyncJob

Service: QBusiness

Stops an Amazon Q Business data source connector synchronization job already in progress.

Request Syntax

```
POST /applications/applicationId/indices/indexId/datasources/dataSourceId/stopsync
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application that the data source is connected to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the index used with the Amazon Q Business data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
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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
- AWS SDK for Ruby V3

TagResource

Service: QBusiness

Adds the specified tag to the specified Amazon Q Business application or data source resource. If the tag already exists, the existing value is replaced with the new value.

Request Syntax

```
POST /v1/tags/resourceARN HTTP/1.1
Content-type: application/json

{
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceARN

The Amazon Resource Name (ARN) of the Amazon Q Business application or data source to tag.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

A list of tag keys to add to the Amazon Q Business application or data source. If a tag already exists, the existing value is replaced with the new value.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UntagResource

Service: QBusiness

Removes a tag from an Amazon Q Business application or a data source.

Request Syntax

```
DELETE /v1/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 Amazon Q Business application, or data source to remove the tag from.

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

Required: Yes

tagKeys

A list of tag keys to remove from the Amazon Q Business application or data source. If a tag key does not exist on the resource, it is ignored.

Array Members: Minimum number of 0 items. Maximum number of 200 items.

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

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 Errors.

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UpdateApplication

Service: QBusiness

Updates an existing Amazon Q Business application.

> **Note**
>
> Amazon Q Business applications may securely transmit data for processing across AWS Regions within your geography. For more information, see Cross region inference in Amazon Q Business.

> **Note**
>
> An Amazon Q Apps service-linked role will be created if it's absent in the AWS account when `QAppsConfiguration` is enabled in the request. For more information, see Using service-linked roles for Q Apps.

Request Syntax

```
PUT /applications/applicationId HTTP/1.1
Content-type: application/json

{
   "attachmentsConfiguration": {
      "attachmentsControlMode": "string"
   },
   "autoSubscriptionConfiguration": {
      "autoSubscribe": "string",
      "defaultSubscriptionType": "string"
   },
   "description": "string",
   "displayName": "string",
   "identityCenterInstanceArn": "string",
   "personalizationConfiguration": {
      "personalizationControlMode": "string"
   },
   "qAppsConfiguration": {
      "qAppsControlMode": "string"
```

```
    },
    "roleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

attachmentsConfiguration

An option to allow end users to upload files directly during chat.

Type: AttachmentsConfiguration object

Required: No

autoSubscriptionConfiguration

An option to enable updating the default subscription type assigned to an Amazon Q Business application using IAM identity federation for user management.

Type: AutoSubscriptionConfiguration object

Required: No

description

A description for the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

displayName

A name for the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: No

identityCenterInstanceArn

The Amazon Resource Name (ARN) of the IAM Identity Center instance you are either creating for—or connecting to—your Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-.]{16}`

Required: No

personalizationConfiguration

Configuration information about chat response personalization. For more information, see Personalizing chat responses.

Type: PersonalizationConfiguration object

Required: No

qAppsConfiguration

An option to allow end users to create and use Amazon Q Apps in the web experience.

Type: QAppsConfiguration object

Required: No

roleArn

An AWS Identity and Access Management (IAM) role that gives Amazon Q Business permission to access Amazon CloudWatch logs and metrics.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateChatControlsConfiguration

Service: QBusiness

Updates a set of chat controls configured for an existing Amazon Q Business application.

Request Syntax

```
PATCH /applications/applicationId/chatcontrols HTTP/1.1
Content-type: application/json

{
   "blockedPhrasesConfigurationUpdate": {
      "blockedPhrasesToCreateOrUpdate": [ "string" ],
      "blockedPhrasesToDelete": [ "string" ],
      "systemMessageOverride": "string"
   },
   "clientToken": "string",
   "creatorModeConfiguration": {
      "creatorModeControl": "string"
   },
   "hallucinationReductionConfiguration": {
      "hallucinationReductionControl": "string"
   },
   "orchestrationConfiguration": {
      "control": "string"
   },
   "responseScope": "string",
   "topicConfigurationsToCreateOrUpdate": [
      {
         "description": "string",
         "exampleChatMessages": [ "string" ],
         "name": "string",
         "rules": [
            {
               "excludedUsersAndGroups": {
                  "userGroups": [ "string" ],
                  "userIds": [ "string" ]
               },
               "includedUsersAndGroups": {
                  "userGroups": [ "string" ],
                  "userIds": [ "string" ]
               },
               "ruleConfiguration": { ... },
```

```
                "ruleType": "string"
            }
         ]
      }
   ],
   "topicConfigurationsToDelete": [
      {
         "description": "string",
         "exampleChatMessages": [ "string" ],
         "name": "string",
         "rules": [
            {
               "excludedUsersAndGroups": {
                  "userGroups": [ "string" ],
                  "userIds": [ "string" ]
               },
               "includedUsersAndGroups": {
                  "userGroups": [ "string" ],
                  "userIds": [ "string" ]
               },
               "ruleConfiguration": { ... },
               "ruleType": "string"
            }
         ]
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application for which the chat controls are configured.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

blockedPhrasesConfigurationUpdate

The phrases blocked from chat by your chat control configuration.

Type: BlockedPhrasesConfigurationUpdate object

Required: No

clientToken

A token that you provide to identify the request to update a Amazon Q Business application chat configuration.

Type: String

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

Required: No

creatorModeConfiguration

The configuration details for `CREATOR_MODE`.

Type: CreatorModeConfiguration object

Required: No

hallucinationReductionConfiguration

The hallucination reduction settings for your application.

Type: HallucinationReductionConfiguration object

Required: No

orchestrationConfiguration

The chat response orchestration settings for your application.

Type: OrchestrationConfiguration object

Required: No

responseScope

The response scope configured for your application. This determines whether your application uses its retrieval augmented generation (RAG) system to generate answers only from your enterprise data, or also uses the large language models (LLM) knowledge to respons to end user questions in chat.

Type: String

Valid Values: `ENTERPRISE_CONTENT_ONLY | EXTENDED_KNOWLEDGE_ENABLED`

Required: No

topicConfigurationsToCreateOrUpdate

The configured topic specific chat controls you want to update.

Type: Array of TopicConfiguration objects

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

Required: No

topicConfigurationsToDelete

The configured topic specific chat controls you want to delete.

Type: Array of TopicConfiguration objects

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

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UpdateChatResponseConfiguration

Service: QBusiness

Updates an existing chat response configuration in an Amazon Q Business application. This operation allows administrators to modify configuration settings, display name, and response parameters to refine how the system generates responses.

Request Syntax

```
PUT /applications/applicationId/chatresponseconfigurations/chatResponseConfigurationId
 HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "displayName": "string",
   "responseConfigurations": {
      "string" : {
         "instructionCollection": {
            "customInstructions": "string",
            "examples": "string",
            "identity": "string",
            "outputStyle": "string",
            "perspective": "string",
            "responseLength": "string",
            "targetAudience": "string",
            "tone": "string"
         }
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application containing the chat response configuration to update.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

chatResponseConfigurationId

The unique identifier of the chat response configuration to update within the specified application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request. This helps prevent the same update from being processed multiple times if retries occur.

Type: String

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

Required: No

displayName

The new human-readable name to assign to the chat response configuration, making it easier to identify among multiple configurations.

Type: String

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

Required: No

responseConfigurations

The updated collection of response configuration settings that define how Amazon Q Business generates and formats responses to user queries.

Type: String to ResponseConfiguration object map

Map Entries: Maximum number of 1 item.

Valid Keys: ALL

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UpdateDataAccessor

Service: QBusiness

Updates an existing data accessor. This operation allows modifying the action configurations (the allowed actions and associated filters) and the display name of the data accessor. It does not allow changing the IAM role associated with the data accessor or other core properties of the data accessor.

Request Syntax

```
PUT /applications/applicationId/dataaccessors/dataAccessorId HTTP/1.1
Content-type: application/json

{
   "actionConfigurations": [
      {
         "action": "string",
         "filterConfiguration": {
            "documentAttributeFilter": {
               "andAllFilters": [
                  "AttributeFilter"
               ],
               "containsAll": {
                  "name": "string",
                  "value": { ... }
               },
               "containsAny": {
                  "name": "string",
                  "value": { ... }
               },
               "equalsTo": {
                  "name": "string",
                  "value": { ... }
               },
               "greaterThan": {
                  "name": "string",
                  "value": { ... }
               },
               "greaterThanOrEquals": {
                  "name": "string",
                  "value": { ... }
               },
```

```
                "lessThan": {
                   "name": "string",
                   "value": { ... }
                },
                "lessThanOrEquals": {
                   "name": "string",
                   "value": { ... }
                },
                "notFilter": "AttributeFilter",
                "orAllFilters": [
                   "AttributeFilter"
                ]
             }
          }
       }
    ],
    "authenticationDetail": {
       "authenticationConfiguration": { ... },
       "authenticationType": "string",
       "externalIds": [ "string" ]
    },
    "displayName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The unique identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataAccessorId

The unique identifier of the data accessor to update.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

actionConfigurations

The updated list of action configurations specifying the allowed actions and any associated filters.

Type: Array of ActionConfiguration objects

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

Required: Yes

authenticationDetail

The updated authentication configuration details for the data accessor. This specifies how the ISV will authenticate when accessing data through this data accessor.

Type: DataAccessorAuthenticationDetail object

Required: No

displayName

The updated friendly name for the data accessor.

Type: String

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

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

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UpdateDataSource

Service: QBusiness

Updates an existing Amazon Q Business data source connector.

Request Syntax

```
PUT /applications/applicationId/indices/indexId/datasources/dataSourceId HTTP/1.1
Content-type: application/json

{
   "configuration": JSON value,
   "description": "string",
   "displayName": "string",
   "documentEnrichmentConfiguration": {
      "inlineConfigurations": [
         {
            "condition": {
               "key": "string",
               "operator": "string",
               "value": { ... }
            },
            "documentContentOperator": "string",
            "target": {
               "attributeValueOperator": "string",
               "key": "string",
               "value": { ... }
            }
         }
      ],
      "postExtractionHookConfiguration": {
         "invocationCondition": {
            "key": "string",
            "operator": "string",
            "value": { ... }
         },
         "lambdaArn": "string",
         "roleArn": "string",
         "s3BucketName": "string"
      },
      "preExtractionHookConfiguration": {
         "invocationCondition": {
            "key": "string",
```

```
            "operator": "string",
            "value": { ... }
         },
         "lambdaArn": "string",
         "roleArn": "string",
         "s3BucketName": "string"
      }
   },
   "mediaExtractionConfiguration": {
      "audioExtractionConfiguration": {
         "audioExtractionStatus": "string"
      },
      "imageExtractionConfiguration": {
         "imageExtractionStatus": "string"
      },
      "videoExtractionConfiguration": {
         "videoExtractionStatus": "string"
      }
   },
   "roleArn": "string",
   "syncSchedule": "string",
   "vpcConfiguration": {
      "securityGroupIds": [ "string" ],
      "subnetIds": [ "string" ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application the data source is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

dataSourceId

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the index attached to the data source connector.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

configuration

Provides the configuration information for an Amazon Q Business data source.

Type: JSON value

Required: No

description

The description of the data source connector.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

displayName

A name of the data source connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: No

documentEnrichmentConfiguration

Provides the configuration information for altering document metadata and content during the document ingestion process.

For more information, see Custom document enrichment.

Type: DocumentEnrichmentConfiguration object

Required: No

mediaExtractionConfiguration

The configuration for extracting information from media in documents for your data source.

Type: MediaExtractionConfiguration object

Required: No

roleArn

The Amazon Resource Name (ARN) of an IAM role with permission to access the data source and required resources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

syncSchedule

The chosen update frequency for your data source.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 998.

Pattern: [\s\S]*

Required: No

vpcConfiguration

Provides configuration information needed to connect to an Amazon VPC (Virtual Private Cloud).

Type: DataSourceVpcConfiguration object

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UpdateIndex

Service: QBusiness

Updates an Amazon Q Business index.

Request Syntax

```
PUT /applications/applicationId/indices/indexId HTTP/1.1
Content-type: application/json

{
   "capacityConfiguration": {
      "units": number
   },
   "description": "string",
   "displayName": "string",
   "documentAttributeConfigurations": [
      {
         "name": "string",
         "search": "string",
         "type": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application connected to the index.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

indexId

The identifier of the Amazon Q Business index.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

capacityConfiguration

The storage capacity units you want to provision for your Amazon Q Business index. You can add and remove capacity to fit your usage needs.

Type: IndexCapacityConfiguration object

Required: No

description

The description of the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

displayName

The name of the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: No

documentAttributeConfigurations

Configuration information for document metadata or fields. Document metadata are fields or attributes associated with your documents. For example, the company department name associated with each document. For more information, see Understanding document attributes.

Type: Array of DocumentAttributeConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 500 items.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Python
- AWS SDK for Ruby V3

UpdatePlugin

Service: QBusiness

Updates an Amazon Q Business plugin.

Request Syntax

```
PUT /applications/applicationId/plugins/pluginId HTTP/1.1
Content-type: application/json

{
   "authConfiguration": { ... },
   "customPluginConfiguration": {
      "apiSchema": { ... },
      "apiSchemaType": "string",
      "description": "string"
   },
   "displayName": "string",
   "serverUrl": "string",
   "state": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application the plugin is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

pluginId

The identifier of the plugin.

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

authConfiguration

The authentication configuration the plugin is using.

Type: PluginAuthConfiguration object

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

Required: No

customPluginConfiguration

The configuration for a custom plugin.

Type: CustomPluginConfiguration object

Required: No

displayName

The name of the plugin.

Type: String

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

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

Required: No

serverUrl

The source URL used for plugin configuration.

Type: String

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

Pattern: `(https?|ftp|file)://([^\s]*)`

Required: No

state

The status of the plugin.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateRetriever

Service: QBusiness

Updates the retriever used for your Amazon Q Business application.

Request Syntax

```
PUT /applications/applicationId/retrievers/retrieverId HTTP/1.1
Content-type: application/json

{
   "configuration": { ... },
   "displayName": "string",
   "roleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of your Amazon Q Business application.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

retrieverId

The identifier of your retriever.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

configuration

Provides information on how the retriever used for your Amazon Q Business application is configured.

Type: RetrieverConfiguration object

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

Required: No

displayName

The name of your retriever.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: No

roleArn

The Amazon Resource Name (ARN) of an IAM role with permission to access the retriever and required resources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UpdateSubscription

Service: QBusiness

Updates the pricing tier for an Amazon Q Business subscription. Upgrades are instant. Downgrades apply at the start of the next month. Subscription tier determines feature access for the user. For more information on subscriptions and pricing tiers, see Amazon Q Business pricing.

Request Syntax

```
PUT /applications/applicationId/subscriptions/subscriptionId HTTP/1.1
Content-type: application/json

{
   "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application where the subscription update should take effect.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

subscriptionId

The identifier of the Amazon Q Business subscription to be updated.

Length Constraints: Minimum length of 0. Maximum length of 1224.

Required: Yes

Request Body

The request accepts the following data in JSON format.

type

The type of the Amazon Q Business subscription to be updated.

Type: String

Valid Values: `Q_LITE | Q_BUSINESS`

Required: Yes

Response Syntax

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

{
   "currentSubscription": {
      "type": "string"
   },
   "nextSubscription": {
      "type": "string"
   },
   "subscriptionArn": "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.

currentSubscription

The type of your current Amazon Q Business subscription.

Type: SubscriptionDetails object

nextSubscription

The type of the Amazon Q Business subscription for the next month.

Type: SubscriptionDetails object

subscriptionArn

The Amazon Resource Name (ARN) of the Amazon Q Business subscription that was updated.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn’t exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UpdateUser

Service: QBusiness

Updates a information associated with a user id.

Request Syntax

```
PUT /applications/applicationId/users/userId HTTP/1.1
Content-type: application/json

{
   "userAliasesToDelete": [
      {
         "dataSourceId": "string",
         "indexId": "string",
         "userId": "string"
      }
   ],
   "userAliasesToUpdate": [
      {
         "dataSourceId": "string",
         "indexId": "string",
         "userId": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the application the user is attached to.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

userId

The email id attached to the user.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

userAliasesToDelete

The user aliases attached to the user id that are to be deleted.

Type: Array of UserAlias objects

Required: No

userAliasesToUpdate

The user aliases attached to the user id that are to be updated.

Type: Array of UserAlias objects

Required: No

Response Syntax

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

{
   "userAliasesAdded": [
      {
         "dataSourceId": "string",
         "indexId": "string",
         "userId": "string"
      }
   ],
   "userAliasesDeleted": [
      {
         "dataSourceId": "string",
         "indexId": "string",
         "userId": "string"
```

```
      }
   ],
   "userAliasesUpdated": [
      {
         "dataSourceId": "string",
         "indexId": "string",
         "userId": "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.

userAliasesAdded

The user aliases that have been to be added to a user id.

Type: Array of UserAlias objects

userAliasesDeleted

The user aliases that have been deleted from a user id.

Type: Array of UserAlias objects

userAliasesUpdated

The user aliases attached to a user id that have been updated.

Type: Array of UserAlias objects

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

You have exceeded the set limits for your Amazon Q Business service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

UpdateWebExperience

Service: QBusiness

Updates an Amazon Q Business web experience.

Request Syntax

```
PUT /applications/applicationId/experiences/webExperienceId HTTP/1.1
Content-type: application/json

{
   "authenticationConfiguration": { ... },
   "browserExtensionConfiguration": {
      "enabledBrowserExtensions": [ "string" ]
   },
   "customizationConfiguration": {
      "customCSSUrl": "string",
      "faviconUrl": "string",
      "fontUrl": "string",
      "logoUrl": "string"
   },
   "identityProviderConfiguration": { ... },
   "origins": [ "string" ],
   "roleArn": "string",
   "samplePromptsControlMode": "string",
   "subtitle": "string",
   "title": "string",
   "welcomeMessage": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

applicationId

The identifier of the Amazon Q Business application attached to the web experience.

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

webExperienceId

The identifier of the Amazon Q Business web experience.

Length Constraints: Fixed length of 36.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

authenticationConfiguration

This parameter has been deprecated.

The authentication configuration of the Amazon Q Business web experience.

Type: WebExperienceAuthConfiguration object

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

Required: No

browserExtensionConfiguration

The browser extension configuration for an Amazon Q Business web experience.

> **Note**
>
> For Amazon Q Business application using external OIDC-compliant identity providers (IdPs). The IdP administrator must add the browser extension sign-in redirect URLs to the IdP application. For more information, see Configure external OIDC identity provider for your browser extensions..

Type: BrowserExtensionConfiguration object

Required: No

customizationConfiguration

Updates the custom logo, favicon, font, and color used in the Amazon Q web experience.

Type: CustomizationConfiguration object

Required: No

identityProviderConfiguration

Information about the identity provider (IdP) used to authenticate end users of an Amazon Q Business web experience.

Type: IdentityProviderConfiguration object

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

Required: No

origins

Updates the website domain origins that are allowed to embed the Amazon Q Business web experience. The *domain origin* refers to the *base URL* for accessing a website including the protocol (`http/https`), the domain name, and the port number (if specified).

> **Note**
>
> - Any values except `null` submitted as part of this update will replace all previous values.
> - You must only submit a *base URL* and not a full path. For example, `https://docs.aws.amazon.com`.

Type: Array of strings

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

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

Pattern: `(http://|https://)[a-zA-Z0-9-_.]+(?::[0-9]{1,5})?`

Required: No

roleArn

The Amazon Resource Name (ARN) of the role with permission to access the Amazon Q Business web experience and required resources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

samplePromptsControlMode

Determines whether sample prompts are enabled in the web experience for an end user.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

subtitle

The subtitle of the Amazon Q Business web experience.

Type: String

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

Pattern: `[\s\S]*`

Required: No

title

The title of the Amazon Q Business web experience.

Type: String

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

Pattern: `[\s\S]*`

Required: No

welcomeMessage

A customized welcome message for an end user in an Amazon Q Business web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You don't have access to perform this action. Make sure you have the required permission policies and user accounts and try again.

HTTP Status Code: 403

ConflictException

You are trying to perform an action that conflicts with the current status of your resource. Fix any inconsistencies with your resources and try again.

HTTP Status Code: 409

InternalServerException

An issue occurred with the internal server used for your Amazon Q Business service. Wait some minutes and try again, or contact Support for help.

HTTP Status Code: 500

ResourceNotFoundException

The application or plugin resource you want to use doesn't exist. Make sure you have provided the correct resource and try again.

HTTP Status Code: 404

ThrottlingException

The request was denied due to throttling. Reduce the number of requests and try again.

HTTP Status Code: 429

ValidationException

The input doesn't meet the constraints set by the Amazon Q Business service. Provide the correct input and try again.

HTTP Status Code: 400

See Also

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

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

QApps

The following actions are supported by QApps:

- AssociateLibraryItemReview
- AssociateQAppWithUser
- BatchCreateCategory
- BatchDeleteCategory
- BatchUpdateCategory
- CreateLibraryItem
- CreatePresignedUrl
- CreateQApp
- DeleteLibraryItem
- DeleteQApp
- DescribeQAppPermissions
- DisassociateLibraryItemReview
- DisassociateQAppFromUser
- ExportQAppSessionData
- GetLibraryItem
- GetQApp
- GetQAppSession
- GetQAppSessionMetadata
- ImportDocument
- ListCategories
- ListLibraryItems
- ListQApps
- ListQAppSessionData
- ListTagsForResource
- PredictQApp
- StartQAppSession
- StopQAppSession
- TagResource
- UntagResource
- UpdateLibraryItem

- UpdateLibraryItemMetadata
- UpdateQApp
- UpdateQAppPermissions
- UpdateQAppSession
- UpdateQAppSessionMetadata

AssociateLibraryItemReview

Service: QApps

Associates a rating or review for a library item with the user submitting the request. This increments the rating count for the specified library item.

Request Syntax

```
POST /catalog.associateItemRating HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "libraryItemId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier for the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

libraryItemId

The unique identifier of the library item to associate the review with.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

AssociateQAppWithUser

Service: QApps

This operation creates a link between the user's identity calling the operation and a specific Q App. This is useful to mark the Q App as a *favorite* for the user if the user doesn't own the Amazon Q App so they can still run it and see it in their inventory of Q Apps.

Request Syntax

```
POST /apps.install HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appId

The ID of the Amazon Q App to associate with the user.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

BatchCreateCategory

Service: QApps

Creates Categories for the Amazon Q Business application environment instance. Web experience users use Categories to tag and filter library items. For more information, see Custom labels for Amazon Q Apps.

Request Syntax

```
POST /catalog.createCategories HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "categories": [
      {
         "color": "string",
         "id": "string",
         "title": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

categories

The list of category objects to be created

Type: Array of BatchCreateCategoryInputCategory objects

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

BatchDeleteCategory

Service: QApps

Deletes Categories for the Amazon Q Business application environment instance. Web experience users use Categories to tag and filter library items. For more information, see Custom labels for Amazon Q Apps.

Request Syntax

```
POST /catalog.deleteCategories HTTP/1.1
instance-id: instanceId
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

categories

The list of IDs of the categories to be deleted.

Type: Array of strings

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

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

BatchUpdateCategory

Service: QApps

Updates Categories for the Amazon Q Business application environment instance. Web experience users use Categories to tag and filter library items. For more information, see Custom labels for Amazon Q Apps.

Request Syntax

```
POST /catalog.updateCategories HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "categories": [
      {
         "color": "string",
         "id": "string",
         "title": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

categories

The list of categories to be updated with their new values.

Type: Array of CategoryInput objects

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

CreateLibraryItem

Service: QApps

Creates a new library item for an Amazon Q App, allowing it to be discovered and used by other allowed users.

Request Syntax

```
POST /catalog.createItem HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appId": "string",
   "appVersion": number,
   "categories": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appId

The unique identifier of the Amazon Q App to publish to the library.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

appVersion

The version of the Amazon Q App to publish to the library.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

categories

The categories to associate with the library item for easier discovery.

Type: Array of strings

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

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

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

{
   "createdAt": "string",
   "createdBy": "string",
   "isVerified": boolean,
   "libraryItemId": "string",
   "ratingCount": number,
   "status": "string",
   "updatedAt": "string",
   "updatedBy": "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 date and time the library item was created.

Type: Timestamp

createdBy

The user who created the library item.

Type: String

isVerified

Indicates whether the library item has been verified.

Type: Boolean

libraryItemId

The unique identifier of the new library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

ratingCount

The number of ratings the library item has received from users.

Type: Integer

status

The status of the new library item, such as "Published".

Type: String

updatedAt

The date and time the library item was last updated.

Type: Timestamp

updatedBy

The user who last updated the library item.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

CreatePresignedUrl

Service: QApps

Creates a presigned URL for an S3 POST operation to upload a file. You can use this URL to set a default file for a `FileUploadCard` in a Q App definition or to provide a file for a single Q App run. The `scope` parameter determines how the file will be used, either at the app definition level or the app session level.

> **Note**
>
> The IAM permissions are derived from the `qapps:ImportDocument` action. For more information on the IAM policy for Amazon Q Apps, see IAM permissions for using Amazon Q Apps.

Request Syntax

```
POST /apps.createPresignedUrl HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appId": "string",
   "cardId": "string",
   "fileContentsSha256": "string",
   "fileName": "string",
   "scope": "string",
   "sessionId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appId

The unique identifier of the Q App the file is associated with.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

cardId

The unique identifier of the card the file is associated with.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

fileContentsSha256

The Base64-encoded SHA-256 digest of the contents of the file to be uploaded.

Type: String

Pattern: `[A-Za-z0-9+/]{43}=$|^[A-Za-z0-9+/]{42}==$|^[A-Za-z0-9+/]{44}`

Required: Yes

fileName

The name of the file to be uploaded.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

scope

Whether the file is associated with a Q App definition or a specific Q App session.

Type: String

Valid Values: `APPLICATION | SESSION`

Required: Yes

sessionId

The unique identifier of the Q App session the file is associated with, if applicable.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

Response Syntax

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

{
   "fileId": "string",
   "presignedUrl": "string",
   "presignedUrlExpiration": "string",
   "presignedUrlFields": {
      "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.

fileId

The unique identifier assigned to the file to be uploaded.

Type: String

presignedUrl

The URL for a presigned S3 POST operation used to upload a file.

Type: String

presignedUrlExpiration

The date and time that the presigned URL will expire in ISO 8601 format.

Type: Timestamp

presignedUrlFields

The form fields to include in the presigned S3 POST operation used to upload a file.

Type: String to string map

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

CreateQApp

Service: QApps

Creates a new Amazon Q App based on the provided definition. The Q App definition specifies the cards and flow of the Q App. This operation also calculates the dependencies between the cards by inspecting the references in the prompts.

Request Syntax

```
POST /apps.create HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appDefinition": {
      "cards": [
         { ... }
      ],
      "initialPrompt": "string"
   },
   "description": "string",
   "tags": {
      "string" : "string"
   },
   "title": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appDefinition

The definition of the new Q App, specifying the cards and flow.

Type: AppDefinitionInput object

Required: Yes

description

The description of the new Q App.

Type: String

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

Required: No

tags

Optional tags to associate with the new Q App.

Type: String to string map

Required: No

title

The title of the new Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

Response Syntax

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

{
   "appArn": "string",
```

```
    "appId": "string",
    "appVersion": number,
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "initialPrompt": "string",
    "requiredCapabilities": [ "string" ],
    "status": "string",
    "title": "string",
    "updatedAt": "string",
    "updatedBy": "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.

appArn

The Amazon Resource Name (ARN) of the new Q App.

Type: String

appId

The unique identifier of the new Q App.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

appVersion

The version of the new Q App.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

createdAt

The date and time the Q App was created.

Type: Timestamp

createdBy

The user who created the Q App.

Type: String

description

The description of the new Q App.

Type: String

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

initialPrompt

The initial prompt displayed when the Q App is started.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

requiredCapabilities

The capabilities required to run the Q App, such as file upload or third-party integrations.

Type: Array of strings

Valid Values: `FileUpload | CreatorMode | RetrievalMode | PluginMode`

status

The status of the new Q App, such as "Created".

Type: String

Valid Values: `PUBLISHED | DRAFT | DELETED`

title

The title of the new Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

updatedAt

The date and time the Q App was last updated.

Type: Timestamp

updatedBy

The user who last updated the Q App.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

ContentTooLargeException

The requested operation could not be completed because the content exceeds the maximum allowed size.

HTTP Status Code: 413

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

DeleteLibraryItem

Service: QApps

Deletes a library item for an Amazon Q App, removing it from the library so it can no longer be discovered or used by other users.

Request Syntax

```
POST /catalog.deleteItem HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "libraryItemId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

libraryItemId

The unique identifier of the library item to delete.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

DeleteQApp

Service: QApps

Deletes an Amazon Q App owned by the user. If the Q App was previously published to the library, it is also removed from the library.

Request Syntax

```
POST /apps.delete HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appId

The unique identifier of the Q App to delete.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

DescribeQAppPermissions

Service: QApps

Describes read permissions for a Amazon Q App in Amazon Q Business application environment instance.

Request Syntax

```
GET /apps.describeQAppPermissions?appId=appId HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique identifier of the Amazon Q App for which to retrieve permissions.

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "appId": "string",
```

```
   "permissions": [
      {
         "action": "string",
         "principal": {
            "email": "string",
            "userId": "string",
            "userType": "string"
         }
      }
   ],
   "resourceArn": "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.

appId

The unique identifier of the Amazon Q App for which permissions are returned.

Type: String

permissions

The list of permissions granted for the Amazon Q App.

Type: Array of PermissionOutput objects

resourceArn

The Amazon Resource Name (ARN) of the Amazon Q App for which permissions are returned.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

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

DisassociateLibraryItemReview

Service: QApps

Removes a rating or review previously submitted by the user for a library item.

Request Syntax

```
POST /catalog.disassociateItemRating HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "libraryItemId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

libraryItemId

The unique identifier of the library item to remove the review from.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

DisassociateQAppFromUser

Service: QApps

Disassociates a Q App from a user removing the user's access to run the Q App.

Request Syntax

```
POST /apps.uninstall HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appId

The unique identifier of the Q App to disassociate from the user.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

ExportQAppSessionData

Service: QApps

Exports the collected data of a Q App data collection session.

Request Syntax

```
POST /runtime.exportQAppSessionData HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "sessionId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

sessionId

The unique identifier of the Q App data collection session.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

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

{
   "csvFileLink": "string",
   "expiresAt": "string",
   "sessionArn": "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.

csvFileLink

The link where the exported Q App session data can be downloaded from.

Type: String

expiresAt

The date and time when the link for the exported Q App session data expires.

Type: Timestamp

sessionArn

The Amazon Resource Name (ARN) of the Q App data collection session.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

GetLibraryItem

Service: QApps

Retrieves details about a library item for an Amazon Q App, including its metadata, categories, ratings, and usage statistics.

Request Syntax

```
GET /catalog.getItem?appId=appId&libraryItemId=libraryItemId HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique identifier of the Amazon Q App associated with the library item.

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

libraryItemId

The unique identifier of the library item to retrieve.

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "appId": "string",
   "appVersion": number,
   "categories": [
      {
         "appCount": number,
         "color": "string",
         "id": "string",
         "title": "string"
      }
   ],
   "createdAt": "string",
   "createdBy": "string",
   "isRatedByUser": boolean,
   "isVerified": boolean,
   "libraryItemId": "string",
   "ratingCount": number,
   "status": "string",
   "updatedAt": "string",
   "updatedBy": "string",
   "userCount": number
}
```

Response Elements

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

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

appId

The unique identifier of the Q App associated with the library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

appVersion

The version of the Q App associated with the library item.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

categories

The categories associated with the library item for discovery.

Type: Array of Category objects

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

createdAt

The date and time the library item was created.

Type: Timestamp

createdBy

The user who created the library item.

Type: String

isRatedByUser

Whether the current user has rated the library item.

Type: Boolean

isVerified

Indicates whether the library item has been verified.

Type: Boolean

libraryItemId

The unique identifier of the library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

ratingCount

The number of ratings the library item has received from users.

Type: Integer

status

The status of the library item, such as "Published".

Type: String

updatedAt

The date and time the library item was last updated.

Type: Timestamp

updatedBy

The user who last updated the library item.

Type: String

userCount

The number of users who have associated the Q App with their account.

Type: Integer

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

GetQApp

Service: QApps

Retrieves the full details of an Q App, including its definition specifying the cards and flow.

Request Syntax

```
GET /apps.get?appId=appId&appVersion=appVersion HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique identifier of the Q App to retrieve.

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

appVersion

The version of the Q App.

Valid Range: Minimum value of 0. Maximum value of 2147483647.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "appArn": "string",
   "appDefinition": {
      "appDefinitionVersion": "string",
      "canEdit": boolean,
      "cards": [
         { ... }
      ]
   },
   "appId": "string",
   "appVersion": number,
   "createdAt": "string",
   "createdBy": "string",
   "description": "string",
   "initialPrompt": "string",
   "requiredCapabilities": [ "string" ],
   "status": "string",
   "title": "string",
   "updatedAt": "string",
   "updatedBy": "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.

appArn

The Amazon Resource Name (ARN) of the Q App.

Type: String

appDefinition

The full definition of the Q App, specifying the cards and flow.

Type: AppDefinition object

appId

The unique identifier of the Q App.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

appVersion

The version of the Q App.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

createdAt

The date and time the Q App was created.

Type: Timestamp

createdBy

The user who created the Q App.

Type: String

description

The description of the Q App.

Type: String

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

initialPrompt

The initial prompt displayed when the Q App is started.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

requiredCapabilities

The capabilities required to run the Q App, such as file upload or third-party integrations.

Type: Array of strings

Valid Values: `FileUpload | CreatorMode | RetrievalMode | PluginMode`

status

The status of the Q App.

Type: String

Valid Values: `PUBLISHED | DRAFT | DELETED`

title

The title of the Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

updatedAt

The date and time the Q App was last updated.

Type: Timestamp

updatedBy

The user who last updated the Q App.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

GetQAppSession

Service: QApps

Retrieves the current state and results for an active session of an Amazon Q App.

Request Syntax

```
GET /runtime.getQAppSession?sessionId=sessionId HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

sessionId

The unique identifier of the Q App session to retrieve.

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "appVersion": number,
   "cardStatus": {
      "string" : {
```

```
         "currentState": "string",
         "currentValue": "string",
         "submissions": [
            {
               "submissionId": "string",
               "timestamp": "string",
               "value": JSON value
            }
         ]
      }
   },
   "latestPublishedAppVersion": number,
   "sessionArn": "string",
   "sessionId": "string",
   "sessionName": "string",
   "status": "string",
   "userIsHost": boolean
}
```

Response Elements

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

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

appVersion

The version of the Q App used for the session.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

cardStatus

The current status for each card in the Q App session.

Type: String to CardStatus object map

Key Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

latestPublishedAppVersion

The latest published version of the Q App used for the session.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

sessionArn

The Amazon Resource Name (ARN) of the Q App session.

Type: String

sessionId

The unique identifier of the Q App session.

Type: String

sessionName

The name of the Q App session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

status

The current status of the Q App session.

Type: String

Valid Values: `IN_PROGRESS | WAITING | COMPLETED | ERROR`

userIsHost

Indicates whether the current user is the owner of the Q App data collection session.

Type: Boolean

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

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

GetQAppSessionMetadata

Service: QApps

Retrieves the current configuration of a Q App session.

Request Syntax

```
GET /runtime.getQAppSessionMetadata?sessionId=sessionId HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

sessionId

The unique identifier of the Q App session.

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "sessionArn": "string",
   "sessionId": "string",
   "sessionName": "string",
```

```
    "sessionOwner": boolean,
    "sharingConfiguration": {
       "acceptResponses": boolean,
       "enabled": boolean,
       "revealCards": boolean
    }
}
```

Response Elements

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

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

sessionArn

The Amazon Resource Name (ARN) of the Q App session.

Type: String

sessionId

The unique identifier of the Q App session.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

sessionName

The name of the Q App session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

sessionOwner

Indicates whether the current user is the owner of the Q App session.

Type: Boolean

sharingConfiguration

The sharing configuration of the Q App data collection session.

Type: SessionSharingConfiguration object

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

ImportDocument

Service: QApps

Uploads a file that can then be used either as a default in a `FileUploadCard` from Q App definition or as a file that is used inside a single Q App run. The purpose of the document is determined by a scope parameter that indicates whether it is at the app definition level or at the app session level.

Request Syntax

```
POST /apps.importDocument HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appId": "string",
   "cardId": "string",
   "fileContentsBase64": "string",
   "fileName": "string",
   "scope": "string",
   "sessionId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appId

The unique identifier of the Q App the file is associated with.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

cardId

The unique identifier of the card the file is associated with.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

fileContentsBase64

The base64-encoded contents of the file to upload.

Type: String

Required: Yes

fileName

The name of the file being uploaded.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

scope

Whether the file is associated with a Q App definition or a specific Q App session.

Type: String

Valid Values: `APPLICATION | SESSION`

Required: Yes

sessionId

The unique identifier of the Q App session the file is associated with, if applicable.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

Response Syntax

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

{
   "fileId": "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.

fileId

The unique identifier assigned to the uploaded file.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ContentTooLargeException

The requested operation could not be completed because the content exceeds the maximum allowed size.

HTTP Status Code: 413

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

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

ListCategories

Service: QApps

Lists the categories of a Amazon Q Business application environment instance. For more information, see Custom labels for Amazon Q Apps.

Request Syntax

```
GET /catalog.listCategories HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "categories": [
      {
         "appCount": number,
         "color": "string",
         "id": "string",
         "title": "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.

categories

The categories of a Amazon Q Business application environment instance.

Type: Array of Category objects

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

ListLibraryItems

Service: QApps

Lists the library items for Amazon Q Apps that are published and available for users in your AWS account.

Request Syntax

```
GET /catalog.list?categoryId=categoryId&limit=limit&nextToken=nextToken HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

categoryId

Optional category to filter the library items by.

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

limit

The maximum number of library items to return in the response.

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

nextToken

The token to request the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 300.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "libraryItems": [
      {
         "appId": "string",
         "appVersion": number,
         "categories": [
            {
               "appCount": number,
               "color": "string",
               "id": "string",
               "title": "string"
            }
         ],
         "createdAt": "string",
         "createdBy": "string",
         "isRatedByUser": boolean,
         "isVerified": boolean,
         "libraryItemId": "string",
         "ratingCount": number,
         "status": "string",
         "updatedAt": "string",
         "updatedBy": "string",
         "userCount": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

libraryItems

The list of library items meeting the request criteria.

Type: Array of LibraryItemMember objects

nextToken

The token to use to request the next page of results.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

ListQApps

Service: QApps

Lists the Amazon Q Apps owned by or associated with the user either because they created it or because they used it from the library in the past. The user identity is extracted from the credentials used to invoke this operation..

Request Syntax

```
GET /apps.list?limit=limit&nextToken=nextToken HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

limit

The maximum number of Q Apps to return in the response.

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

nextToken

The token to request the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 300.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "apps": [
      {
         "appArn": "string",
         "appId": "string",
         "canEdit": boolean,
         "createdAt": "string",
         "description": "string",
         "isVerified": boolean,
         "status": "string",
         "title": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

apps

The list of Amazon Q Apps meeting the request criteria.

Type: Array of UserAppItem objects

nextToken

The token to use to request the next page of results.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Ruby V3

ListQAppSessionData

Service: QApps

Lists the collected data of a Q App data collection session.

Request Syntax

```
GET /runtime.listQAppSessionData?sessionId=sessionId HTTP/1.1
instance-id: instanceId
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

sessionId

The unique identifier of the Q App data collection session.

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "sessionArn": "string",
   "sessionData": [
```

```
      {
         "cardId": "string",
         "submissionId": "string",
         "timestamp": "string",
         "user": {
            "userId": "string"
         },
         "value": JSON value
      }
   ],
   "sessionId": "string"
}
```

Response Elements

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

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

nextToken

The pagination token that indicates the next set of results to retrieve.

Type: String

sessionArn

The Amazon Resource Name (ARN) of the Q App data collection session.

Type: String

sessionData

The collected responses of a Q App session.

Type: Array of QAppSessionData objects

sessionId

The unique identifier of the Q App data collection session.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

ListTagsForResource

Service: QApps

Lists the tags associated with an Amazon Q Apps 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 whose tags should be listed.

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 list of tags that are assigned to the resource.

Type: String to string map

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

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

ValidationException

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

HTTP Status Code: 400

See Also

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

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

PredictQApp

Service: QApps

Generates an Amazon Q App definition based on either a conversation or a problem statement provided as input.The resulting app definition can be used to call `CreateQApp`. This API doesn't create Amazon Q Apps directly.

Request Syntax

```
POST /apps.predictQApp HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "options": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

options

The input to generate the Q App definition from, either a conversation or problem statement.

Type: PredictQAppInputOptions object

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

Required: No

Response Syntax

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

{
   "app": {
      "appDefinition": {
         "cards": [
            { ... }
         ],
         "initialPrompt": "string"
      },
      "description": "string",
      "title": "string"
   },
   "problemStatement": "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.

app

The generated Q App definition.

Type: PredictAppDefinition object

problemStatement

The problem statement extracted from the input conversation, if provided.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Ruby V3

StartQAppSession

Service: QApps

Starts a new session for an Amazon Q App, allowing inputs to be provided and the app to be run.

> **Note**
>
> Each Q App session will be condensed into a single conversation in the web experience.

Request Syntax

```
POST /runtime.startQAppSession HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appId": "string",
   "appVersion": number,
   "initialValues": [
      {
         "cardId": "string",
         "submissionMutation": {
            "mutationType": "string",
            "submissionId": "string"
         },
         "value": "string"
      }
   ],
   "sessionId": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appId

The unique identifier of the Q App to start a session for.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

appVersion

The version of the Q App to use for the session.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

initialValues

Optional initial input values to provide for the Q App session.

Type: Array of CardValue objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

sessionId

The unique identifier of the a Q App session.

Type: String

Required: No

tags

Optional tags to associate with the new Q App session.

Type: String to string map

Required: No

Response Syntax

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

{
   "sessionArn": "string",
   "sessionId": "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.

sessionArn

The Amazon Resource Name (ARN) of the new Q App session.

Type: String

sessionId

The unique identifier of the new or retrieved Q App session.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

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

StopQAppSession

Service: QApps

Stops an active session for an Amazon Q App.This deletes all data related to the session and makes it invalid for future uses. The results of the session will be persisted as part of the conversation.

Request Syntax

```
POST /runtime.deleteMiniAppRun HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "sessionId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

sessionId

The unique identifier of the Q App session to stop.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

TagResource

Service: QApps

Associates tags with an Amazon Q Apps resource.

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.

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 associate with the resource.

Type: String to string map

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

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

ValidationException

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

HTTP Status Code: 400

See Also

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

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

UntagResource

Service: QApps

Disassociates tags from an Amazon Q Apps resource.

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 disassociate the tag from.

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

Required: Yes

tagKeys

The keys of the tags to disassociate from the resource.

Array Members: Minimum number of 0 items. Maximum number of 200 items.

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

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 Errors.

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

ValidationException

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

HTTP Status Code: 400

See Also

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

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

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

UpdateLibraryItem

Service: QApps

Updates the library item for an Amazon Q App.

Request Syntax

```
POST /catalog.updateItem HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "categories": [ "string" ],
   "libraryItemId": "string",
   "status": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

categories

The new categories to associate with the library item.

Type: Array of strings

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

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

libraryItemId

The unique identifier of the library item to update.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

status

The new status to set for the library item, such as "Published" or "Hidden".

Type: String

Valid Values: `PUBLISHED | DISABLED`

Required: No

Response Syntax

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

{
   "appId": "string",
   "appVersion": number,
   "categories": [
      {
         "appCount": number,
         "color": "string",
         "id": "string",
         "title": "string"
      }
   ],
   "createdAt": "string",
   "createdBy": "string",
   "isRatedByUser": boolean,
   "isVerified": boolean,
```

```
    "libraryItemId": "string",
    "ratingCount": number,
    "status": "string",
    "updatedAt": "string",
    "updatedBy": "string",
    "userCount": number
}
```

Response Elements

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

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

appId

The unique identifier of the Q App associated with the library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

appVersion

The version of the Q App associated with the library item.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

categories

The categories associated with the updated library item.

Type: Array of Category objects

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

createdAt

The date and time the library item was originally created.

Type: Timestamp

createdBy

The user who originally created the library item.

Type: String

isRatedByUser

Whether the current user has rated the library item.

Type: Boolean

isVerified

Indicates whether the library item has been verified.

Type: Boolean

libraryItemId

The unique identifier of the updated library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

ratingCount

The number of ratings the library item has received.

Type: Integer

status

The new status of the updated library item.

Type: String

updatedAt

The date and time the library item was last updated.

Type: Timestamp

updatedBy

The user who last updated the library item.

Type: String

userCount

The number of users who have the associated Q App.

Type: Integer

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

UpdateLibraryItemMetadata

Service: QApps

Updates the verification status of a library item for an Amazon Q App.

Request Syntax

```
POST /catalog.updateItemMetadata HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "isVerified": boolean,
   "libraryItemId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

isVerified

The verification status of the library item

Type: Boolean

Required: No

libraryItemId

The unique identifier of the updated library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

UpdateQApp

Service: QApps

Updates an existing Amazon Q App, allowing modifications to its title, description, and definition.

Request Syntax

```
POST /apps.update HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appDefinition": {
      "cards": [
         { ... }
      ],
      "initialPrompt": "string"
   },
   "appId": "string",
   "description": "string",
   "title": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appDefinition

The new definition specifying the cards and flow for the Q App.

Type: AppDefinitionInput object

Required: No

appId

The unique identifier of the Q App to update.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

description

The new description for the Q App.

Type: String

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

Required: No

title

The new title for the Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: No

Response Syntax

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

{
   "appArn": "string",
   "appId": "string",
   "appVersion": number,
```

```
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "initialPrompt": "string",
    "requiredCapabilities": [ "string" ],
    "status": "string",
    "title": "string",
    "updatedAt": "string",
    "updatedBy": "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.

appArn

The Amazon Resource Name (ARN) of the updated Q App.

Type: String

appId

The unique identifier of the updated Q App.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

appVersion

The new version of the updated Q App.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

createdAt

The date and time the Q App was originally created.

Type: Timestamp

createdBy

The user who originally created the Q App.

Type: String

description

The new description of the updated Q App.

Type: String

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

initialPrompt

The initial prompt for the updated Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

requiredCapabilities

The capabilities required for the updated Q App.

Type: Array of strings

Valid Values: `FileUpload | CreatorMode | RetrievalMode | PluginMode`

status

The status of the updated Q App.

Type: String

Valid Values: `PUBLISHED | DRAFT | DELETED`

title

The new title of the updated Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

updatedAt

The date and time the Q App was last updated.

Type: Timestamp

updatedBy

The user who last updated the Q App.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

ContentTooLargeException

The requested operation could not be completed because the content exceeds the maximum allowed size.

HTTP Status Code: 413

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

UpdateQAppPermissions

Service: QApps

Updates read permissions for a Amazon Q App in Amazon Q Business application environment instance.

Request Syntax

```
POST /apps.updateQAppPermissions HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "appId": "string",
   "grantPermissions": [
      {
         "action": "string",
         "principal": "string"
      }
   ],
   "revokePermissions": [
      {
         "action": "string",
         "principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

appId

The unique identifier of the Amazon Q App for which permissions are being updated.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

grantPermissions

The list of permissions to grant for the Amazon Q App.

Type: Array of PermissionInput objects

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

Required: No

revokePermissions

The list of permissions to revoke for the Amazon Q App.

Type: Array of PermissionInput objects

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

Required: No

Response Syntax

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

{
   "appId": "string",
   "permissions": [
      {
         "action": "string",
         "principal": {
            "email": "string",
            "userId": "string",
```

```
            "userType": "string"
         }
      }
   ],
   "resourceArn": "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.

appId

The unique identifier of the Amazon Q App for which permissions were updated.

Type: String

permissions

The updated list of permissions for the Amazon Q App.

Type: Array of PermissionOutput objects

resourceArn

The Amazon Resource Name (ARN) of the Amazon Q App for which permissions were updated.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

- AWS SDK for Ruby V3

UpdateQAppSession

Service: QApps

Updates the session for a given Q App `sessionId`. This is only valid when at least one card of the session is in the `WAITING` state. Data for each `WAITING` card can be provided as input. If inputs are not provided, the call will be accepted but session will not move forward. Inputs for cards that are not in the `WAITING` status will be ignored.

Request Syntax

```
POST /runtime.updateQAppSession HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "sessionId": "string",
   "values": [
      {
         "cardId": "string",
         "submissionMutation": {
            "mutationType": "string",
            "submissionId": "string"
         },
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

sessionId

The unique identifier of the Q App session to provide input for.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

values

The input values to provide for the current state of the Q App session.

Type: Array of CardValue objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

Response Syntax

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

{
   "sessionArn": "string",
   "sessionId": "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.

sessionArn

The Amazon Resource Name (ARN) of the updated Q App session.

Type: String

sessionId

The unique identifier of the updated Q App session.

Type: String

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

UpdateQAppSessionMetadata

Service: QApps

Updates the configuration metadata of a session for a given Q App `sessionId`.

Request Syntax

```
POST /runtime.updateQAppSessionMetadata HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
   "sessionId": "string",
   "sessionName": "string",
   "sharingConfiguration": {
      "acceptResponses": boolean,
      "enabled": boolean,
      "revealCards": boolean
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

Request Body

The request accepts the following data in JSON format.

sessionId

The unique identifier of the Q App session to update configuration for.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

sessionName

The new name for the Q App session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

sharingConfiguration

The new sharing configuration for the Q App data collection session.

Type: SessionSharingConfiguration object

Required: Yes

Response Syntax

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

{
   "sessionArn": "string",
   "sessionId": "string",
   "sessionName": "string",
   "sharingConfiguration": {
      "acceptResponses": boolean,
      "enabled": boolean,
      "revealCards": boolean
   }
}
```

Response Elements

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

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

sessionArn

The Amazon Resource Name (ARN) of the updated Q App session.

Type: String

sessionId

The unique identifier of the updated Q App session.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

sessionName

The new name of the updated Q App session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

sharingConfiguration

The new sharing configuration of the updated Q App data collection session.

Type: SessionSharingConfiguration object

Errors

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

AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

InternalServerException

An internal service error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

ValidationException

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

HTTP Status Code: 400

See Also

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

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

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

Data Types

The following data types are supported by QBusiness:

- AccessConfiguration
- AccessControl
- ActionConfiguration
- ActionExecution
- ActionExecutionEvent
- ActionExecutionPayloadField
- ActionFilterConfiguration
- ActionReview
- ActionReviewEvent
- ActionReviewPayloadField
- ActionReviewPayloadFieldAllowedValue
- ActionSummary
- APISchema
- Application
- AppliedAttachmentsConfiguration
- AppliedCreatorModeConfiguration
- AppliedOrchestrationConfiguration
- AssociatedGroup
- AssociatedUser
- Attachment
- AttachmentInput
- AttachmentInputEvent
- AttachmentOutput
- AttachmentsConfiguration
- AttributeFilter
- AudioExtractionConfiguration
- AudioSourceDetails

- AuthChallengeRequest
- AuthChallengeRequestEvent
- AuthChallengeResponse
- AuthChallengeResponseEvent
- AutoSubscriptionConfiguration
- BasicAuthConfiguration
- BlockedPhrasesConfiguration
- BlockedPhrasesConfigurationUpdate
- BrowserExtensionConfiguration
- ChatInputStream
- ChatModeConfiguration
- ChatOutputStream
- ChatResponseConfiguration
- ChatResponseConfigurationDetail
- ConfigurationEvent
- ContentBlockerRule
- ContentRetrievalRule
- ContentSource
- Conversation
- ConversationSource
- CopyFromSource
- CreatorModeConfiguration
- CustomizationConfiguration
- CustomPluginConfiguration
- DataAccessor
- DataAccessorAuthenticationConfiguration
- DataAccessorAuthenticationDetail
- DataAccessorIdcTrustedTokenIssuerConfiguration
- DataSource
- DataSourceSyncJob

- DataSourceSyncJobMetrics
- DataSourceVpcConfiguration
- DateAttributeBoostingConfiguration
- DeleteDocument
- Document
- DocumentAcl
- DocumentAclCondition
- DocumentAclGroup
- DocumentAclMembership
- DocumentAclUser
- DocumentAttribute
- DocumentAttributeBoostingConfiguration
- DocumentAttributeCondition
- DocumentAttributeConfiguration
- DocumentAttributeTarget
- DocumentAttributeValue
- DocumentContent
- DocumentDetails
- DocumentEnrichmentConfiguration
- EligibleDataSource
- EncryptionConfiguration
- EndOfInputEvent
- ErrorDetail
- FailedAttachmentEvent
- FailedDocument
- GroupMembers
- GroupStatusDetail
- GroupSummary
- HallucinationReductionConfiguration
- HookConfiguration

- IdcAuthConfiguration
- IdentityProviderConfiguration
- ImageExtractionConfiguration
- ImageSourceDetails
- Index
- IndexCapacityConfiguration
- IndexStatistics
- InlineDocumentEnrichmentConfiguration
- InstructionCollection
- KendraIndexConfiguration
- MediaExtractionConfiguration
- MemberGroup
- MemberUser
- Message
- MessageUsefulnessFeedback
- MetadataEvent
- NativeIndexConfiguration
- NoAuthConfiguration
- NumberAttributeBoostingConfiguration
- OAuth2ClientCredentialConfiguration
- OpenIDConnectProviderConfiguration
- OrchestrationConfiguration
- PermissionCondition
- PersonalizationConfiguration
- Plugin
- PluginAuthConfiguration
- PluginConfiguration
- PluginTypeMetadataSummary
- Principal
- PrincipalGroup

- PrincipalUser
- QAppsConfiguration
- QuickSightConfiguration
- RelevantContent
- ResponseConfiguration
- Retriever
- RetrieverConfiguration
- RetrieverContentSource
- Rule
- RuleConfiguration
- S3
- SamlConfiguration
- SamlProviderConfiguration
- ScoreAttributes
- SnippetExcerpt
- SourceAttribution
- SourceDetails
- StringAttributeBoostingConfiguration
- StringListAttributeBoostingConfiguration
- Subscription
- SubscriptionDetails
- SubscriptionPrincipal
- Tag
- TextDocumentStatistics
- TextInputEvent
- TextOutputEvent
- TextSegment
- TopicConfiguration
- UserAlias
- UsersAndGroups

- ValidationExceptionField
- VideoExtractionConfiguration
- VideoSourceDetails
- WebExperience
- WebExperienceAuthConfiguration

The following data types are supported by QApps:

- AppDefinition
- AppDefinitionInput
- AttributeFilter
- BatchCreateCategoryInputCategory
- Card
- CardInput
- CardStatus
- CardValue
- Category
- CategoryInput
- ConversationMessage
- DocumentAttribute
- DocumentAttributeValue
- FileUploadCard
- FileUploadCardInput
- FormInputCard
- FormInputCardInput
- FormInputCardMetadata
- LibraryItemMember
- PermissionInput
- PermissionOutput
- PredictAppDefinition
- PredictQAppInputOptions

- PrincipalOutput
- QAppSessionData
- QPluginCard
- QPluginCardInput
- QQueryCard
- QQueryCardInput
- SessionSharingConfiguration
- Submission
- SubmissionMutation
- TextInputCard
- TextInputCardInput
- User
- UserAppItem

QBusiness

The following data types are supported by QBusiness:

- AccessConfiguration
- AccessControl
- ActionConfiguration
- ActionExecution
- ActionExecutionEvent
- ActionExecutionPayloadField
- ActionFilterConfiguration
- ActionReview
- ActionReviewEvent
- ActionReviewPayloadField
- ActionReviewPayloadFieldAllowedValue
- ActionSummary
- APISchema

- Application
- AppliedAttachmentsConfiguration
- AppliedCreatorModeConfiguration
- AppliedOrchestrationConfiguration
- AssociatedGroup
- AssociatedUser
- Attachment
- AttachmentInput
- AttachmentInputEvent
- AttachmentOutput
- AttachmentsConfiguration
- AttributeFilter
- AudioExtractionConfiguration
- AudioSourceDetails
- AuthChallengeRequest
- AuthChallengeRequestEvent
- AuthChallengeResponse
- AuthChallengeResponseEvent
- AutoSubscriptionConfiguration
- BasicAuthConfiguration
- BlockedPhrasesConfiguration
- BlockedPhrasesConfigurationUpdate
- BrowserExtensionConfiguration
- ChatInputStream
- ChatModeConfiguration
- ChatOutputStream
- ChatResponseConfiguration
- ChatResponseConfigurationDetail
- ConfigurationEvent
- ContentBlockerRule

- ContentRetrievalRule
- ContentSource
- Conversation
- ConversationSource
- CopyFromSource
- CreatorModeConfiguration
- CustomizationConfiguration
- CustomPluginConfiguration
- DataAccessor
- DataAccessorAuthenticationConfiguration
- DataAccessorAuthenticationDetail
- DataAccessorIdcTrustedTokenIssuerConfiguration
- DataSource
- DataSourceSyncJob
- DataSourceSyncJobMetrics
- DataSourceVpcConfiguration
- DateAttributeBoostingConfiguration
- DeleteDocument
- Document
- DocumentAcl
- DocumentAclCondition
- DocumentAclGroup
- DocumentAclMembership
- DocumentAclUser
- DocumentAttribute
- DocumentAttributeBoostingConfiguration
- DocumentAttributeCondition
- DocumentAttributeConfiguration
- DocumentAttributeTarget
- DocumentAttributeValue

- DocumentContent
- DocumentDetails
- DocumentEnrichmentConfiguration
- EligibleDataSource
- EncryptionConfiguration
- EndOfInputEvent
- ErrorDetail
- FailedAttachmentEvent
- FailedDocument
- GroupMembers
- GroupStatusDetail
- GroupSummary
- HallucinationReductionConfiguration
- HookConfiguration
- IdcAuthConfiguration
- IdentityProviderConfiguration
- ImageExtractionConfiguration
- ImageSourceDetails
- Index
- IndexCapacityConfiguration
- IndexStatistics
- InlineDocumentEnrichmentConfiguration
- InstructionCollection
- KendraIndexConfiguration
- MediaExtractionConfiguration
- MemberGroup
- MemberUser
- Message
- MessageUsefulnessFeedback
- MetadataEvent

- NativeIndexConfiguration
- NoAuthConfiguration
- NumberAttributeBoostingConfiguration
- OAuth2ClientCredentialConfiguration
- OpenIDConnectProviderConfiguration
- OrchestrationConfiguration
- PermissionCondition
- PersonalizationConfiguration
- Plugin
- PluginAuthConfiguration
- PluginConfiguration
- PluginTypeMetadataSummary
- Principal
- PrincipalGroup
- PrincipalUser
- QAppsConfiguration
- QuickSightConfiguration
- RelevantContent
- ResponseConfiguration
- Retriever
- RetrieverConfiguration
- RetrieverContentSource
- Rule
- RuleConfiguration
- S3
- SamlConfiguration
- SamlProviderConfiguration
- ScoreAttributes
- SnippetExcerpt
- SourceAttribution

- SourceDetails
- StringAttributeBoostingConfiguration
- StringListAttributeBoostingConfiguration
- Subscription
- SubscriptionDetails
- SubscriptionPrincipal
- Tag
- TextDocumentStatistics
- TextInputEvent
- TextOutputEvent
- TextSegment
- TopicConfiguration
- UserAlias
- UsersAndGroups
- ValidationExceptionField
- VideoExtractionConfiguration
- VideoSourceDetails
- WebExperience
- WebExperienceAuthConfiguration

AccessConfiguration

Service: QBusiness

Used to configure access permissions for a document.

Contents

accessControls

A list of `AccessControlList` objects.

Type: Array of AccessControl objects

Required: Yes

memberRelation

Describes the member relation within the `AccessControlList` object.

Type: String

Valid Values: `AND | OR`

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

AccessControl

Service: QBusiness

A list of principals. Each principal can be either a USER or a GROUP and can be designated document access permissions of either ALLOW or DENY.

Contents

principals

Contains a list of principals, where a principal can be either a USER or a GROUP. Each principal can be have the following type of document access: ALLOW or DENY.

Type: Array of Principal objects

Required: Yes

memberRelation

Describes the member relation within a principal list.

Type: String

Valid Values: AND | OR

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

ActionConfiguration

Service: QBusiness

Specifies an allowed action and its associated filter configuration.

Contents

action

The Amazon Q Business action that is allowed.

Type: String

Pattern: `qbusiness:[a-zA-Z]+`

Required: Yes

filterConfiguration

The filter configuration for the action, if any.

Type: ActionFilterConfiguration 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

ActionExecution

Service: QBusiness

Performs an Amazon Q Business plugin action during a non-streaming chat conversation.

Contents

payload

A mapping of field names to the field values in input that an end user provides to Amazon Q Business requests to perform their plugin action.

Type: String to ActionExecutionPayloadField object map

Key Length Constraints: Minimum length of 1.

Required: Yes

payloadFieldNameSeparator

A string used to retain information about the hierarchical contexts within an action execution event payload.

Type: String

Length Constraints: Fixed length of 1.

Required: Yes

pluginId

The identifier of the plugin the action is attached to.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

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

ActionExecutionEvent

Service: QBusiness

A request from an end user signalling an intent to perform an Amazon Q Business plugin action during a streaming chat.

Contents

payload

A mapping of field names to the field values in input that an end user provides to Amazon Q Business requests to perform their plugin action.

Type: String to ActionExecutionPayloadField object map

Key Length Constraints: Minimum length of 1.

Required: Yes

payloadFieldNameSeparator

A string used to retain information about the hierarchical contexts within a action execution event payload.

Type: String

Length Constraints: Fixed length of 1.

Required: Yes

pluginId

The identifier of the plugin for which the action is being requested.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

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

ActionExecutionPayloadField

Service: QBusiness

A user input field in an plugin action execution payload.

Contents

value

The content of a user input field in an plugin action execution payload.

Type: JSON value

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

ActionFilterConfiguration

Service: QBusiness

Specifies filters to apply to an allowed action.

Contents

documentAttributeFilter

Enables filtering of responses based on document attributes or metadata fields.

Type: AttributeFilter object

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

ActionReview

Service: QBusiness

An output event that Amazon Q Business returns to an user who wants to perform a plugin action during a non-streaming chat conversation. It contains information about the selected action with a list of possible user input fields, some pre-populated by Amazon Q Business.

Contents

payload

Field values that an end user needs to provide to Amazon Q Business for Amazon Q Business to perform the requested plugin action.

Type: String to ActionReviewPayloadField object map

Key Length Constraints: Minimum length of 1.

Required: No

payloadFieldNameSeparator

A string used to retain information about the hierarchical contexts within an action review payload.

Type: String

Length Constraints: Fixed length of 1.

Required: No

pluginId

The identifier of the plugin associated with the action review.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: No

pluginType

The type of plugin.

Type: String

Valid Values: `SERVICE_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM | QUICKSIGHT | SERVICENOW_NOW_PLATFORM | JIRA_CLOUD | SALESFORCE_CRM | ZENDESK_SUITE | ATLASSIAN_CONFLUENCE | GOOGLE_CALENDAR | MICROSOFT_TEAMS | MICROSOFT_EXCHANGE | PAGERDUTY_ADVANCE | SMARTSHEET | ASANA`

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

ActionReviewEvent

Service: QBusiness

An output event that Amazon Q Business returns to an user who wants to perform a plugin action during a streaming chat conversation. It contains information about the selected action with a list of possible user input fields, some pre-populated by Amazon Q Business.

Contents

conversationId

The identifier of the conversation with which the action review event is associated.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

payload

Field values that an end user needs to provide to Amazon Q Business for Amazon Q Business to perform the requested plugin action.

Type: String to ActionReviewPayloadField object map

Key Length Constraints: Minimum length of 1.

Required: No

payloadFieldNameSeparator

A string used to retain information about the hierarchical contexts within an action review event payload.

Type: String

Length Constraints: Fixed length of 1.

Required: No

pluginId

The identifier of the plugin associated with the action review event.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: No

pluginType

The type of plugin.

Type: String

Valid Values: `SERVICE_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM | QUICKSIGHT | SERVICENOW_NOW_PLATFORM | JIRA_CLOUD | SALESFORCE_CRM | ZENDESK_SUITE | ATLASSIAN_CONFLUENCE | GOOGLE_CALENDAR | MICROSOFT_TEAMS | MICROSOFT_EXCHANGE | PAGERDUTY_ADVANCE | SMARTSHEET | ASANA`

Required: No

systemMessageId

The identifier of an Amazon Q Business AI generated associated with the action review event.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

userMessageId

The identifier of the conversation with which the plugin action is associated.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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

ActionReviewPayloadField

Service: QBusiness

A user input field in an plugin action review payload.

Contents

allowedFormat

The expected data format for the action review input field value. For example, in PTO request, `from` and `to` would be of `datetime` allowed format.

Type: String

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

Required: No

allowedValues

Information about the field values that an end user can use to provide to Amazon Q Business for Amazon Q Business to perform the requested plugin action.

Type: Array of ActionReviewPayloadFieldAllowedValue objects

Required: No

arrayItemJsonSchema

Use to create a custom form with array fields (fields with nested objects inside an array).

Type: JSON value

Required: No

displayDescription

The field level description of each action review input field. This could be an explanation of the field. In the Amazon Q Business web experience, these descriptions could be used to display as tool tips to help users understand the field.

Type: String

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

Required: No

displayName

The name of the field.

Type: String

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

Required: No

displayOrder

The display order of fields in a payload.

Type: Integer

Required: No

required

Information about whether the field is required.

Type: Boolean

Required: No

type

The type of field.

Type: String

Valid Values: `STRING | NUMBER | ARRAY | BOOLEAN`

Required: No

value

The field value.

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

ActionReviewPayloadFieldAllowedValue

Service: QBusiness

Information about the field values that an end user can use to provide to Amazon Q Business for Amazon Q Business to perform the requested plugin action.

Contents

displayValue

The name of the field.

Type: JSON value

Required: No

value

The field value.

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

ActionSummary

Service: QBusiness

Summary information for an Amazon Q Business plugin action.

Contents

actionIdentifier

The identifier of an Amazon Q Business plugin action.

Type: String

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

Required: No

description

The description of an Amazon Q Business plugin action.

Type: String

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

Required: No

displayName

The display name assigned by Amazon Q Business to a plugin action. You can't modify this value.

Type: String

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

Required: No

instructionExample

An Amazon Q Business suggested prompt and end user can use to invoke a plugin action. This value can be modified and sent as input to initiate an action. For example:

- Create a Jira task
- Create a chat assistant task to find the root cause of a specific incident

Type: String

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

Required: No

See Also

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

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

APISchema

Service: QBusiness

Contains details about the OpenAPI schema for a custom plugin. For more information, see custom plugin OpenAPI schemas. You can either include the schema directly in the payload field or you can upload it to an S3 bucket and specify the S3 bucket location in the s3 field.

Contents

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

payload

The JSON or YAML-formatted payload defining the OpenAPI schema for a custom plugin.

Type: String

Required: No

s3

Contains details about the S3 object containing the OpenAPI schema for a custom plugin. The schema could be in either JSON or YAML format.

Type: S3 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

Application

Service: QBusiness

Summary information for an Amazon Q Business application.

Contents

applicationId

The identifier for the Amazon Q Business application.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

createdAt

The Unix timestamp when the Amazon Q Business application was created.

Type: Timestamp

Required: No

displayName

The name of the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: No

identityType

The authentication type being used by a Amazon Q Business application.

Type: String

Valid Values: `AWS_IAM_IDP_SAML | AWS_IAM_IDP_OIDC | AWS_IAM_IDC | AWS_QUICKSIGHT_IDP | ANONYMOUS`

Required: No

quickSightConfiguration

The Amazon QuickSight configuration for an Amazon Q Business application that uses QuickSight as the identity provider.

Type: QuickSightConfiguration object

Required: No

status

The status of the Amazon Q Business application. The application is ready to use when the status is `ACTIVE`.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | FAILED | UPDATING`

Required: No

updatedAt

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

Required: No

See Also

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

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

AppliedAttachmentsConfiguration

Service: QBusiness

Configuration information about the file upload during chat feature for your application.

Contents

attachmentsControlMode

Information about whether file upload during chat functionality is activated for your application.

Type: String

Valid Values: `ENABLED | DISABLED`

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

AppliedCreatorModeConfiguration

Service: QBusiness

The creator mode specific admin controls configured for an Amazon Q Business application. Determines whether an end user can generate LLM-only responses when they use the web experience.

For more information, see Admin controls and guardrails and Conversation settings.

Contents

creatorModeControl

Information about whether creator mode is enabled or disabled for an Amazon Q Business application.

Type: String

Valid Values: `ENABLED | DISABLED`

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

AppliedOrchestrationConfiguration

Service: QBusiness

The chat orchestration specific admin controls configured for an Amazon Q Business application. Determines whether Amazon Q Business automatically routes chat requests across configured plugins and data sources in your Amazon Q Business application.

For more information, see Chat orchestration settings.

Contents

control

Information about whether chat orchestration is enabled or disabled for an Amazon Q Business application.

Type: String

Valid Values: `ENABLED | DISABLED`

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

AssociatedGroup

Service: QBusiness

Represents a group associated with a given user in the access control system.

Contents

name

The name of the group associated with the user. This is used to identify the group in access control decisions.

Type: String

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

Pattern: `\P{C}*`

Required: No

type

The type of the associated group. This indicates the scope of the group's applicability.

Type: String

Valid Values: `INDEX | DATASOURCE`

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

AssociatedUser

Service: QBusiness

Represents an associated user in the access control system.

Contents

id

The unique identifier of the associated user. This is used to identify the user in access control decisions.

Type: String

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

Required: No

type

The type of the associated user. This indicates the scope of the user's association.

Type: String

Valid Values: `INDEX | DATASOURCE`

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

Attachment

Service: QBusiness

An attachment in an Amazon Q Business conversation.

Contents

attachmentId

The identifier of the Amazon Q Business attachment.

Type: String

Pattern: `[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}`

Required: No

conversationId

The identifier of the Amazon Q Business conversation the attachment is associated with.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

copyFrom

A CopyFromSource containing a reference to the original source of the Amazon Q Business attachment.

Type: CopyFromSource object

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

Required: No

createdAt

The Unix timestamp when the Amazon Q Business attachment was created.

Type: Timestamp

Required: No

error

ErrorDetail providing information about a Amazon Q Business attachment error.

Type: ErrorDetail object

Required: No

fileSize

Size in bytes of the Amazon Q Business attachment.

Type: Integer

Required: No

fileType

Filetype of the Amazon Q Business attachment.

Type: String

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

Required: No

md5chksum

MD5 checksum of the Amazon Q Business attachment contents.

Type: String

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

Required: No

name

Filename of the Amazon Q Business attachment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

status

AttachmentStatus of the Amazon Q Business attachment.

Type: String

Valid Values: `FAILED | SUCCESS`

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

AttachmentInput

Service: QBusiness

This is either a file directly uploaded into a web experience chat or a reference to an existing attachment that is part of a web experience chat.

Contents

copyFrom

A reference to an existing attachment.

Type: CopyFromSource object

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

Required: No

data

The contents of the attachment.

Type: Base64-encoded binary data object

Required: No

name

The filename of the attachment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `\P{C}*`

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

AttachmentInputEvent

Service: QBusiness

A file input event activated by a end user request to upload files into their web experience chat.

Contents

attachment

This is either a file directly uploaded into a web experience chat or a reference to an existing attachment that is part of a web experience chat.

Type: AttachmentInput 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

AttachmentOutput

Service: QBusiness

The details of a file uploaded during chat.

Contents

attachmentId

The unique identifier of the Amazon Q Business attachment.

Type: String

Pattern: `[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}`

Required: No

conversationId

The unique identifier of the Amazon Q Business conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

error

An error associated with a file uploaded during chat.

Type: ErrorDetail object

Required: No

name

The name of a file uploaded during chat.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

status

The status of a file uploaded during chat.

Type: String

Valid Values: `FAILED | SUCCESS`

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

AttachmentsConfiguration

Service: QBusiness

Configuration information for the file upload during chat feature.

Contents

attachmentsControlMode

Status information about whether file upload functionality is activated or deactivated for your end user.

Type: String

Valid Values: `ENABLED | DISABLED`

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

AttributeFilter

Service: QBusiness

Enables filtering of responses based on document attributes or metadata fields.

Contents

andAllFilters

Performs a logical `AND` operation on all supplied filters.

Type: Array of AttributeFilter objects

Required: No

containsAll

Returns `true` when a document contains all the specified document attributes or metadata fields. Supported for the following document attribute value types: `stringListValue`.

Type: DocumentAttribute object

Required: No

containsAny

Returns `true` when a document contains any of the specified document attributes or metadata fields. Supported for the following document attribute value types: `stringListValue`.

Type: DocumentAttribute object

Required: No

equalsTo

Performs an equals operation on two document attributes or metadata fields. Supported for the following document attribute value types: `dateValue`, `longValue`, `stringListValue` and `stringValue`.

Type: DocumentAttribute object

Required: No

greaterThan

Performs a greater than operation on two document attributes or metadata fields. Supported for the following document attribute value types: `dateValue` and `longValue`.

Type: DocumentAttribute object

Required: No

greaterThanOrEquals

Performs a greater or equals than operation on two document attributes or metadata fields. Supported for the following document attribute value types: `dateValue` and `longValue`.

Type: DocumentAttribute object

Required: No

lessThan

Performs a less than operation on two document attributes or metadata fields. Supported for the following document attribute value types: `dateValue` and `longValue`.

Type: DocumentAttribute object

Required: No

lessThanOrEquals

Performs a less than or equals operation on two document attributes or metadata fields.Supported for the following document attribute value type: `dateValue` and `longValue`.

Type: DocumentAttribute object

Required: No

notFilter

Performs a logical `NOT` operation on all supplied filters.

Type: AttributeFilter object

Required: No

orAllFilters

Performs a logical `OR` operation on all supplied filters.

Type: Array of AttributeFilter objects

Required: No

See Also

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

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

AudioExtractionConfiguration

Service: QBusiness

Configuration settings for audio content extraction and processing.

Contents

audioExtractionStatus

The status of audio extraction (ENABLED or DISABLED) for processing audio content from files.

Type: String

Valid Values: `ENABLED | DISABLED`

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

AudioSourceDetails

Service: QBusiness

Details about an audio source, including its identifier, format, and time information.

Contents

audioExtractionType

The type of audio extraction performed on the content.

Type: String

Valid Values: `TRANSCRIPT | SUMMARY`

Required: No

endTimeMilliseconds

The ending timestamp in milliseconds for the relevant audio segment.

Type: Long

Required: No

mediaId

Unique identifier for the audio media file.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

mediaMimeType

The MIME type of the audio file (e.g., audio/mp3, audio/wav).

Type: String

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

Required: No

startTimeMilliseconds

The starting timestamp in milliseconds for the relevant audio segment.

Type: Long

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

AuthChallengeRequest

Service: QBusiness

A request made by Amazon Q Business to a third paty authentication server to authenticate a custom plugin user.

Contents

authorizationUrl

The URL sent by Amazon Q Business to the third party authentication server to authenticate a custom plugin user through an OAuth protocol.

Type: String

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

Pattern: `(https?|ftp|file)://([^\s]*)`

Required: Yes

See Also

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

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

AuthChallengeRequestEvent

Service: QBusiness

An authentication verification event activated by an end user request to use a custom plugin.

Contents

authorizationUrl

The URL sent by Amazon Q Business to a third party authentication server in response to an authentication verification event activated by an end user request to use a custom plugin.

Type: String

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

Pattern: `(https?|ftp|file)://([^\s]*)`

Required: Yes

See Also

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

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

AuthChallengeResponse

Service: QBusiness

Contains details of the authentication information received from a third party authentication server in response to an authentication challenge.

Contents

responseMap

The mapping of key-value pairs in an authentication challenge response.

Type: String to string map

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

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

Required: Yes

See Also

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

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

AuthChallengeResponseEvent

Service: QBusiness

An authentication verification event response by a third party authentication server to Amazon Q Business.

Contents

responseMap

The mapping of key-value pairs in an authentication challenge response.

Type: String to string map

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

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

Required: Yes

See Also

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

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

AutoSubscriptionConfiguration

Service: QBusiness

Subscription configuration information for an Amazon Q Business application using IAM identity federation for user management.

Contents

autoSubscribe

Describes whether automatic subscriptions are enabled for an Amazon Q Business application using IAM identity federation for user management.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

defaultSubscriptionType

Describes the default subscription type assigned to an Amazon Q Business application using IAM identity federation for user management. If the value for `autoSubscribe` is set to `ENABLED` you must select a value for this field.

Type: String

Valid Values: `Q_LITE | Q_BUSINESS`

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

BasicAuthConfiguration

Service: QBusiness

Information about the basic authentication credentials used to configure a plugin.

Contents

roleArn

The ARN of an IAM role used by Amazon Q Business to access the basic authentication credentials stored in a Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: Yes

secretArn

The ARN of the Secrets Manager secret that stores the basic authentication credentials used for plugin configuration..

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: 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

BlockedPhrasesConfiguration

Service: QBusiness

Provides information about the phrases blocked from chat by your chat control configuration.

Contents

blockedPhrases

A list of phrases blocked from a Amazon Q Business web experience chat.

> **Note**
>
> Each phrase can contain a maximum of 36 characters. The list can contain a maximum of 20 phrases.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 36.

Pattern: `\P{C}*`

Required: No

systemMessageOverride

The configured custom message displayed to an end user informing them that they've used a blocked phrase during chat.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `\P{C}*`

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

BlockedPhrasesConfigurationUpdate

Service: QBusiness

Updates a blocked phrases configuration in your Amazon Q Business application.

Contents

blockedPhrasesToCreateOrUpdate

Creates or updates a blocked phrases configuration in your Amazon Q Business application.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 36.

Pattern: `\P{C}*`

Required: No

blockedPhrasesToDelete

Deletes a blocked phrases configuration in your Amazon Q Business application.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 36.

Pattern: `\P{C}*`

Required: No

systemMessageOverride

The configured custom message displayed to your end user when they use blocked phrase during chat.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `\P{C}*`

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

BrowserExtensionConfiguration

Service: QBusiness

The container for browser extension configuration for an Amazon Q Business web experience.

Contents

enabledBrowserExtensions

Specify the browser extensions allowed for your Amazon Q web experience.

- `CHROME` — Enables the extension for Chromium-based browsers (Google Chrome, Microsoft Edge, Opera, etc.).
- `FIREFOX` — Enables the extension for Mozilla Firefox.
- `CHROME` and `FIREFOX` — Enable the extension for Chromium-based browsers and Mozilla Firefox.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Valid Values: `FIREFOX | CHROME`

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

ChatInputStream

Service: QBusiness

The streaming input for the `Chat` API.

Contents

actionExecutionEvent

A request from an end user to perform an Amazon Q Business plugin action.

Type: ActionExecutionEvent object

Required: No

attachmentEvent

A request by an end user to upload a file during chat.

Type: AttachmentInputEvent object

Required: No

authChallengeResponseEvent

An authentication verification event response by a third party authentication server to Amazon Q Business.

Type: AuthChallengeResponseEvent object

Required: No

configurationEvent

A configuration event activated by an end user request to select a specific chat mode.

Type: ConfigurationEvent object

Required: No

endOfInputEvent

The end of the streaming input for the `Chat` API.

Type: EndOfInputEvent object

Required: No

textEvent

Information about the payload of the `ChatInputStream` event containing the end user message input.

Type: TextInputEvent 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

ChatModeConfiguration

Service: QBusiness

Configuration information for Amazon Q Business conversation modes.

For more information, see Admin controls and guardrails and Conversation settings.

Contents

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

pluginConfiguration

Configuration information required to invoke chat in `PLUGIN_MODE`.

Type: PluginConfiguration 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

ChatOutputStream

Service: QBusiness

The streaming output for the `Chat` API.

Contents

actionReviewEvent

A request from Amazon Q Business to the end user for information Amazon Q Business needs to successfully complete a requested plugin action.

Type: ActionReviewEvent object

Required: No

authChallengeRequestEvent

An authentication verification event activated by an end user request to use a custom plugin.

Type: AuthChallengeRequestEvent object

Required: No

failedAttachmentEvent

A failed file upload event during a web experience chat.

Type: FailedAttachmentEvent object

Required: No

metadataEvent

A metadata event for a AI-generated text output message in a Amazon Q Business conversation.

Type: MetadataEvent object

Required: No

textEvent

Information about the payload of the `ChatOutputStream` event containing the AI-generated message output.

Type: TextOutputEvent 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

ChatResponseConfiguration

Service: QBusiness

Configuration details that define how Amazon Q Business generates and formats responses to user queries in chat interactions. This configuration allows administrators to customize response characteristics to meet specific organizational needs and communication standards.

Contents

chatResponseConfigurationArn

The Amazon Resource Name (ARN) of the chat response configuration, which uniquely identifies the resource across all AWS services and accounts.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1284.

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

Required: Yes

chatResponseConfigurationId

A unique identifier for your chat response configuration settings, used to reference and manage the configuration within the Amazon Q Business service.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

displayName

A human-readable name for the chat response configuration, making it easier to identify and manage multiple configurations within an organization.

Type: String

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

Required: Yes

status

The current status of the chat response configuration, indicating whether it is active, pending, or in another state that affects its availability for use in chat interactions.

Type: String

Valid Values: `CREATING | UPDATING | FAILED | ACTIVE`

Required: Yes

createdAt

The timestamp indicating when the chat response configuration was initially created, useful for tracking the lifecycle of configuration resources.

Type: Timestamp

Required: No

responseConfigurationSummary

A summary of the response configuration settings, providing a concise overview of the key parameters that define how responses are generated and formatted.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

updatedAt

The timestamp indicating when the chat response configuration was last modified, helping administrators track changes and maintain version awareness.

Type: Timestamp

Required: No

See Also

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

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

ChatResponseConfigurationDetail

Service: QBusiness

Detailed information about a chat response configuration, including comprehensive settings and parameters that define how Amazon Q Business generates and formats responses.

Contents

error

Provides information about a Amazon Q Business request error.

Type: ErrorDetail object

Required: No

responseConfigurations

A collection of specific response configuration settings that collectively define how responses are generated, formatted, and presented to users in chat interactions.

Type: String to ResponseConfiguration object map

Map Entries: Maximum number of 1 item.

Valid Keys: ALL

Required: No

responseConfigurationSummary

A summary of the response configuration details, providing a concise overview of the key parameters and settings that define the response generation behavior.

Type: String

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

Required: No

status

The current status of the chat response configuration, indicating whether it is active, pending, or in another state that affects its availability for use.

Type: String

Valid Values: `CREATING | UPDATING | FAILED | ACTIVE`

Required: No

updatedAt

The timestamp indicating when the detailed chat response configuration was last modified, helping administrators track changes and maintain version awareness.

Type: Timestamp

Required: No

See Also

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

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

ConfigurationEvent

Service: QBusiness

A configuration event activated by an end user request to select a specific chat mode.

Contents

attributeFilter

Enables filtering of responses based on document attributes or metadata fields.

Type: AttributeFilter object

Required: No

chatMode

The chat modes available to an Amazon Q Business end user.

- `RETRIEVAL_MODE` - The default chat mode for an Amazon Q Business application. When this mode is enabled, Amazon Q Business generates responses only from data sources connected to an Amazon Q Business application.
- `CREATOR_MODE` - By selecting this mode, users can choose to generate responses only from the LLM knowledge, without consulting connected data sources, for a chat request.
- `PLUGIN_MODE` - By selecting this mode, users can choose to use plugins in chat.

For more information, see Admin controls and guardrails, Plugins, and Conversation settings.

Type: String

Valid Values: `RETRIEVAL_MODE | CREATOR_MODE | PLUGIN_MODE`

Required: No

chatModeConfiguration

Configuration information for Amazon Q Business conversation modes.

For more information, see Admin controls and guardrails and Conversation settings.

Type: ChatModeConfiguration 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

ContentBlockerRule

Service: QBusiness

A rule for configuring how Amazon Q Business responds when it encounters a a blocked topic. You can configure a custom message to inform your end users that they have asked about a restricted topic and suggest any next steps they should take.

Contents

systemMessageOverride

The configured custom message displayed to an end user informing them that they've used a blocked phrase during chat.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `\P{C}*`

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

ContentRetrievalRule

Service: QBusiness

Rules for retrieving content from data sources connected to a Amazon Q Business application for a specific topic control configuration.

Contents

eligibleDataSources

Specifies data sources in a Amazon Q Business application to use for content generation.

Type: Array of EligibleDataSource 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

ContentSource

Service: QBusiness

Specifies the source of content to search in.

Contents

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

retriever

The retriever to use as the content source.

Type: RetrieverContentSource 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

Conversation

Service: QBusiness

A conversation in an Amazon Q Business application.

Contents

conversationId

The identifier of the Amazon Q Business conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

startTime

The start time of the conversation.

Type: Timestamp

Required: No

title

The title of the conversation.

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

ConversationSource

Service: QBusiness

The source reference for an existing attachment in an existing conversation.

Contents

attachmentId

The unique identifier of the Amazon Q Business attachment.

Type: String

Pattern: `[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}`

Required: Yes

conversationId

The unique identifier of the Amazon Q Business conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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

CopyFromSource

Service: QBusiness

The source reference for an existing attachment.

Contents

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

conversation

A reference to an attachment in an existing conversation.

Type: ConversationSource 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

CreatorModeConfiguration

Service: QBusiness

Configuration information required to invoke chat in `CREATOR_MODE`.

For more information, see Admin controls and guardrails and Conversation settings.

Contents

creatorModeControl

Status information about whether `CREATOR_MODE` has been enabled or disabled. The default status is `DISABLED`.

Type: String

Valid Values: `ENABLED | DISABLED`

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

CustomizationConfiguration

Service: QBusiness

Contains the configuration information to customize the logo, font, and color of an Amazon Q Business web experience with individual files for each property or a CSS file for them all.

Contents

customCSSUrl

Provides the URL where the custom CSS file is hosted for an Amazon Q web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `(https?://[a-zA-Z0-9-_.+%/]+\.css)?`

Required: No

faviconUrl

Provides the URL where the custom favicon file is hosted for an Amazon Q web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `(https?://[a-zA-Z0-9-_.+%/]+\.(svg|ico))?`

Required: No

fontUrl

Provides the URL where the custom font file is hosted for an Amazon Q web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `(https?://[a-zA-Z0-9-_.+%/]+\.(ttf|woff|woff2|otf))?`

Required: No

logoUrl

Provides the URL where the custom logo file is hosted for an Amazon Q web experience.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `(https?://[a-zA-Z0-9-_.+%/]+\.(svg|png))?`

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

CustomPluginConfiguration

Service: QBusiness

Configuration information required to create a custom plugin.

Contents

apiSchemaType

The type of OpenAPI schema to use.

Type: String

Valid Values: `OPEN_API_V3`

Required: Yes

description

A description for your custom plugin configuration.

Type: String

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

Required: Yes

apiSchema

Contains either details about the S3 object containing the OpenAPI schema for the action group or the JSON or YAML-formatted payload defining the schema.

Type: APISchema 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

DataAccessor

Service: QBusiness

Provides summary information about a data accessor.

Contents

authenticationDetail

The authentication configuration details for the data accessor. This specifies how the ISV authenticates when accessing data through this data accessor.

Type: DataAccessorAuthenticationDetail object

Required: No

createdAt

The timestamp when the data accessor was created.

Type: Timestamp

Required: No

dataAccessorArn

The Amazon Resource Name (ARN) of the data accessor.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

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

Required: No

dataAccessorId

The unique identifier of the data accessor.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

displayName

The friendly name of the data accessor.

Type: String

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

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

Required: No

idcApplicationArn

The Amazon Resource Name (ARN) of the associated IAM Identity Center application.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso::\d{12}:application/(sso)?ins-[a-zA-Z0-9-.]{16}/apl-[a-zA-Z0-9]{16}`

Required: No

principal

The Amazon Resource Name (ARN) of the IAM role for the ISV associated with this data accessor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1284.

Pattern: `arn:aws:iam::[0-9]{12}:role/[a-zA-Z0-9_/+=,.@-]+`

Required: No

updatedAt

The timestamp when the data accessor was last updated.

Type: Timestamp

Required: No

See Also

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

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

DataAccessorAuthenticationConfiguration

Service: QBusiness

A union type that contains the specific authentication configuration based on the authentication type selected.

Contents

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

idcTrustedTokenIssuerConfiguration

Configuration for IAM Identity Center Trusted Token Issuer (TTI) authentication used when the authentication type is `AWS_IAM_IDC_TTI`.

Type: DataAccessorIdcTrustedTokenIssuerConfiguration 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

DataAccessorAuthenticationDetail

Service: QBusiness

Contains the authentication configuration details for a data accessor. This structure defines how the ISV authenticates when accessing data through the data accessor.

Contents

authenticationType

The type of authentication to use for the data accessor. This determines how the ISV authenticates when accessing data. You can use one of two authentication types:

- `AWS_IAM_IDC_TTI` - Authentication using IAM Identity Center Trusted Token Issuer (TTI). This authentication type allows the ISV to use a trusted token issuer to generate tokens for accessing the data.
- `AWS_IAM_IDC_AUTH_CODE` - Authentication using IAM Identity Center authorization code flow. This authentication type uses the standard OAuth 2.0 authorization code flow for authentication.

Type: String

Valid Values: `AWS_IAM_IDC_TTI | AWS_IAM_IDC_AUTH_CODE`

Required: Yes

authenticationConfiguration

The specific authentication configuration based on the authentication type.

Type: DataAccessorAuthenticationConfiguration object

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

Required: No

externalIds

A list of external identifiers associated with this authentication configuration. These are used to correlate the data accessor with external systems.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

DataAccessorIdcTrustedTokenIssuerConfiguration

Service: QBusiness

Configuration details for IAM Identity Center Trusted Token Issuer (TTI) authentication.

Contents

idcTrustedTokenIssuerArn

The Amazon Resource Name (ARN) of the IAM Identity Center Trusted Token Issuer that will be used for authentication.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `arn:aws:sso::[0-9]{12}:trustedTokenIssuer/(sso)?ins-[a-zA-Z0-9-.]{16}/tti-[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

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

DataSource

Service: QBusiness

A data source in an Amazon Q Business application.

Contents

createdAt

The Unix timestamp when the Amazon Q Business data source was created.

Type: Timestamp

Required: No

dataSourceId

The identifier of the Amazon Q Business data source.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

displayName

The name of the Amazon Q Business data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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

Required: No

status

The status of the Amazon Q Business data source.

Type: String

Valid Values: `PENDING_CREATION | CREATING | ACTIVE | DELETING | FAILED | UPDATING`

Required: No

type

The type of the Amazon Q Business data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

updatedAt

The Unix timestamp when the Amazon Q Business data source was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DataSourceSyncJob

Service: QBusiness

Provides information about an Amazon Q Business data source connector synchronization job.

Contents

dataSourceErrorCode

If the reason that the synchronization failed is due to an error with the underlying data source, this field contains a code that identifies the error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

endTime

The Unix timestamp when the synchronization job completed.

Type: Timestamp

Required: No

error

If the `Status` field is set to `FAILED`, the `ErrorCode` field indicates the reason the synchronization failed.

Type: ErrorDetail object

Required: No

executionId

The identifier of a data source synchronization job.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

metrics

Maps a batch delete document request to a specific data source sync job. This is optional and should only be supplied when documents are deleted by a data source connector.

Type: DataSourceSyncJobMetrics object

Required: No

startTime

The Unix time stamp when the data source synchronization job started.

Type: Timestamp

Required: No

status

The status of the synchronization job. When the `Status` field is set to `SUCCEEDED`, the synchronization job is done. If the status code is `FAILED`, the `ErrorCode` and `ErrorMessage` fields give you the reason for the failure.

Type: String

Valid Values: `FAILED | SUCCEEDED | SYNCING | INCOMPLETE | STOPPING | ABORTED | SYNCING_INDEXING`

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

DataSourceSyncJobMetrics

Service: QBusiness

Maps a batch delete document request to a specific Amazon Q Business data source connector sync job.

Contents

documentsAdded

The current count of documents added from the data source during the data source sync.

Type: String

Pattern: `(([1-9][0-9]*)|0)`

Required: No

documentsDeleted

The current count of documents deleted from the data source during the data source sync.

Type: String

Pattern: `(([1-9][0-9]*)|0)`

Required: No

documentsFailed

The current count of documents that failed to sync from the data source during the data source sync.

Type: String

Pattern: `(([1-9][0-9]*)|0)`

Required: No

documentsModified

The current count of documents modified in the data source during the data source sync.

Type: String

Pattern: `(([1-9][0-9]*)|0)`

Required: No

documentsScanned

The current count of documents crawled by the ongoing sync job in the data source.

Type: String

Pattern: `(([1-9][0-9]*)|0)`

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

DataSourceVpcConfiguration

Service: QBusiness

Provides configuration information needed to connect to an Amazon VPC (Virtual Private Cloud).

Contents

securityGroupIds

A list of identifiers of security groups within your Amazon VPC. The security groups should enable Amazon Q Business to connect to the data source.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `[-0-9a-zA-Z]+`

Required: Yes

subnetIds

A list of identifiers for subnets within your Amazon VPC. The subnets should be able to connect to each other in the VPC, and they should have outgoing access to the Internet through a NAT device.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `[-0-9a-zA-Z]+`

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

DateAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting `DATE` type document attributes.

For more information on how boosting document attributes work in Amazon Q Business, see Boosting using document attributes.

Contents

boostingLevel

Specifies the priority tier ranking of boosting applied to document attributes. For version 2, this parameter indicates the relative ranking between boosted fields (ONE being highest priority, TWO being second highest, etc.) and determines the order in which attributes influence document ranking in search results. For version 1, this parameter specifies the boosting intensity. For version 2, boosting intensity (VERY HIGH, HIGH, MEDIUM, LOW, NONE) are not supported. Note that in version 2, you are not allowed to boost on only one field and make this value TWO.

Type: String

Valid Values: `NONE | LOW | MEDIUM | HIGH | VERY_HIGH | ONE | TWO`

Required: Yes

boostingDurationInSeconds

Specifies the duration, in seconds, of a boost applies to a `DATE` type document attribute.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 999999999.

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

DeleteDocument

Service: QBusiness

A document deleted from an Amazon Q Business data source connector.

Contents

documentId

The identifier of the deleted document.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1825.

Pattern: `\P{C}*`

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

Document

Service: QBusiness

A document in an Amazon Q Business application.

Contents

id

The identifier of the document.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1825.

Pattern: `\P{C}*`

Required: Yes

accessConfiguration

Configuration information for access permission to a document.

Type: AccessConfiguration object

Required: No

attributes

Custom attributes to apply to the document for refining Amazon Q Business web experience responses.

Type: Array of DocumentAttribute objects

Array Members: Minimum number of 1 item. Maximum number of 500 items.

Required: No

content

The contents of the document.

Type: DocumentContent object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

contentType

The file type of the document in the Blob field.

If you want to index snippets or subsets of HTML documents instead of the entirety of the HTML documents, you add the `HTML` start and closing tags (`<HTML>content</HTML>`) around the content.

Type: String

Valid Values: `PDF | HTML | MS_WORD | PLAIN_TEXT | PPT | RTF | XML | XSLT | MS_EXCEL | CSV | JSON | MD`

Required: No

documentEnrichmentConfiguration

The configuration information for altering document metadata and content during the document ingestion process.

Type: DocumentEnrichmentConfiguration object

Required: No

mediaExtractionConfiguration

The configuration for extracting information from media in the document.

Type: MediaExtractionConfiguration object

Required: No

title

The title of the document.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DocumentAcl

Service: QBusiness

Represents the Access Control List (ACL) for a document, containing both allowlist and denylist conditions.

Contents

allowlist

The allowlist conditions for the document. Users or groups matching these conditions are granted access to the document.

Type: DocumentAclMembership object

Required: No

denyList

The denylist conditions for the document. Users or groups matching these conditions are denied access to the document, overriding allowlist permissions.

Type: DocumentAclMembership 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

DocumentAclCondition

Service: QBusiness

Represents a condition in the document's ACL, specifying access rules for users and groups.

Contents

groups

An array of group identifiers that this condition applies to. Groups listed here are subject to the access rule defined by this condition.

Type: Array of DocumentAclGroup objects

Required: No

memberRelation

The logical relation between members in the condition, determining how multiple user or group conditions are combined.

Type: String

Valid Values: `AND | OR`

Required: No

users

An array of user identifiers that this condition applies to. Users listed here are subject to the access rule defined by this condition.

Type: Array of DocumentAclUser objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

DocumentAclGroup

Service: QBusiness

Represents a group in the document's ACL, used to define access permissions for multiple users collectively.

Contents

name

The name of the group in the document's ACL. This is used to identify the group when applying access rules.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `\P{C}*`

Required: No

type

The type of the group. This indicates the scope of the group's applicability in access control.

Type: String

Valid Values: `INDEX | DATASOURCE`

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

DocumentAclMembership

Service: QBusiness

Represents membership rules in the document's ACL, defining how users or groups are associated with access permissions.

Contents

conditions

An array of conditions that define the membership rules. Each condition specifies criteria for users or groups to be included in this membership.

Type: Array of DocumentAclCondition objects

Required: No

memberRelation

The logical relation between members in the membership rule, determining how multiple conditions are combined.

Type: String

Valid Values: `AND | OR`

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

DocumentAclUser

Service: QBusiness

Represents a user in the document's ACL, used to define access permissions for individual users.

Contents

id

The unique identifier of the user in the document's ACL. This is used to identify the user when applying access rules.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

type

The type of the user. This indicates the scope of the user's applicability in access control.

Type: String

Valid Values: `INDEX | DATASOURCE`

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

DocumentAttribute

Service: QBusiness

A document attribute or metadata field.

Contents

name

The identifier for the attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `[a-zA-Z0-9_][a-zA-Z0-9_-]*`

Required: Yes

value

The value of the attribute.

Type: DocumentAttributeValue 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

DocumentAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting supported Amazon Q Business document attribute types. When an end user chat query matches document attributes that have been boosted, Amazon Q Business prioritizes generating responses from content that matches the boosted document attributes.

In version 2, boosting uses numeric values (ONE, TWO) to indicate priority tiers that establish clear hierarchical relationships between boosted attributes. This allows for more precise control over how different attributes influence search results.

> **Note**
>
> For `STRING` and `STRING_LIST` type document attributes to be used for boosting on the console and the API, they must be enabled for search using the DocumentAttributeConfiguration object of the UpdateIndex API. If you haven't enabled searching on these attributes, you can't boost attributes of these data types on either the console or the API.

For more information on how boosting document attributes work in Amazon Q Business, see Boosting using document attributes.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

dateConfiguration

Provides information on boosting `DATE` type document attributes.

Version 2 assigns priority tiers to `DATE` attributes, establishing clear hierarchical relationships with other boosted attributes.

Type: DateAttributeBoostingConfiguration object

Required: No

numberConfiguration

Provides information on boosting `NUMBER` type document attributes.

`NUMBER` attributes are not supported when using `NativeIndexConfiguration` version 2, which focuses on `DATE` attributes for recency and `STRING` attributes for source prioritization.

Type: NumberAttributeBoostingConfiguration object

Required: No

stringConfiguration

Provides information on boosting `STRING` type document attributes.

Version 2 assigns priority tiers to `STRING` attributes, establishing clear hierarchical relationships with other boosted attributes.

Type: StringAttributeBoostingConfiguration object

Required: No

stringListConfiguration

Provides information on boosting `STRING_LIST` type document attributes.

`STRING_LIST` attributes are not supported when using `NativeIndexConfiguration` version 2, which focuses on `DATE` attributes for recency and `STRING` attributes for source prioritization.

Type: StringListAttributeBoostingConfiguration 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

DocumentAttributeCondition

Service: QBusiness

The condition used for the target document attribute or metadata field when ingesting documents into Amazon Q Business. You use this with `DocumentAttributeTarget` to apply the condition.

For example, you can create the 'Department' target field and have it prefill department names associated with the documents based on information in the 'Source_URI' field. Set the condition that if the 'Source_URI' field contains 'financial' in its URI value, then prefill the target field 'Department' with the target value 'Finance' for the document.

Amazon Q Business can't create a target field if it has not already been created as an index field. After you create your index field, you can create a document metadata field using `DocumentAttributeTarget`. Amazon Q Business then will map your newly created metadata field to your index field.

Contents

key

The identifier of the document attribute used for the condition.

For example, 'Source_URI' could be an identifier for the attribute or metadata field that contains source URIs associated with the documents.

Amazon Q Business currently doesn't support `_document_body` as an attribute key used for the condition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `[a-zA-Z0-9_][a-zA-Z0-9_-]*`

Required: Yes

operator

The identifier of the document attribute used for the condition.

For example, 'Source_URI' could be an identifier for the attribute or metadata field that contains source URIs associated with the documents.

Amazon Q Business currently does not support _document_body as an attribute key used for the condition.

Type: String

Valid Values: GREATER_THAN | GREATER_THAN_OR_EQUALS | LESS_THAN | LESS_THAN_OR_EQUALS | EQUALS | NOT_EQUALS | CONTAINS | NOT_CONTAINS | EXISTS | NOT_EXISTS | BEGINS_WITH

Required: Yes

value

The value of a document attribute. You can only provide one value for a document attribute.

Type: DocumentAttributeValue 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

DocumentAttributeConfiguration

Service: QBusiness

Configuration information for document attributes. Document attributes are metadata or fields associated with your documents. For example, the company department name associated with each document.

For more information, see Understanding document attributes.

Contents

name

The name of the document attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30.

Pattern: `[a-zA-Z0-9_][a-zA-Z0-9_-]*`

Required: No

search

Information about whether the document attribute can be used by an end user to search for information on their web experience.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

type

The type of document attribute.

Type: String

Valid Values: `STRING | STRING_LIST | NUMBER | DATE`

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

DocumentAttributeTarget

Service: QBusiness

The target document attribute or metadata field you want to alter when ingesting documents into Amazon Q Business.

For example, you can delete all customer identification numbers associated with the documents, stored in the document metadata field called 'Customer_ID' by setting the target key as 'Customer_ID' and the deletion flag to TRUE. This removes all customer ID values in the field 'Customer_ID'. This would scrub personally identifiable information from each document's metadata.

Amazon Q Business can't create a target field if it has not already been created as an index field. After you create your index field, you can create a document metadata field using `DocumentAttributeTarget`. Amazon Q Business will then map your newly created document attribute to your index field.

You can also use this with `DocumentAttributeCondition`.

Contents

key

The identifier of the target document attribute or metadata field. For example, 'Department' could be an identifier for the target attribute or metadata field that includes the department names associated with the documents.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `[a-zA-Z0-9_][a-zA-Z0-9_-]*`

Required: Yes

attributeValueOperator

TRUE to delete the existing target value for your specified target attribute key. You cannot create a target value and set this to TRUE.

Type: String

Valid Values: DELETE

Required: No

value

The value of a document attribute. You can only provide one value for a document attribute.

Type: DocumentAttributeValue 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

DocumentAttributeValue

Service: QBusiness

The value of a document attribute. You can only provide one value for a document attribute.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

dateValue

A date expressed as an ISO 8601 string.

It's important for the time zone to be included in the ISO 8601 date-time format. For example, 2012-03-25T12:30:10+01:00 is the ISO 8601 date-time format for March 25th 2012 at 12:30PM (plus 10 seconds) in Central European Time.

Type: Timestamp

Required: No

longValue

A long integer value.

Type: Long

Required: No

stringListValue

A list of strings.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

stringValue

A string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DocumentContent

Service: QBusiness

The contents of a document.

> **Note**
>
> Documents have size limitations. The maximum file size for a document is 50 MB. The maximum amount of text that can be extracted from a single document is 5 MB. For more information, see Supported document formats in Amazon Q Business.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

blob

The contents of the document. Documents passed to the `blob` parameter must be base64 encoded. Your code might not need to encode the document file bytes if you're using an AWS SDK to call Amazon Q Business APIs. If you are calling the Amazon Q Business endpoint directly using REST, you must base64 encode the contents before sending.

Type: Base64-encoded binary data object

Required: No

s3

The path to the document in an Amazon S3 bucket.

Type: S3 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

DocumentDetails

Service: QBusiness

The details of a document within an Amazon Q Business index.

Contents

createdAt

The timestamp for when the document was created.

Type: Timestamp

Required: No

documentId

The identifier of the document.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1825.

Pattern: `\P{C}*`

Required: No

error

An error message associated with the document.

Type: ErrorDetail object

Required: No

status

The current status of the document.

Type: String

Valid Values: `RECEIVED | PROCESSING | INDEXED | UPDATED | FAILED | DELETING | DELETED | DOCUMENT_FAILED_TO_INDEX`

Required: No

updatedAt

The timestamp for when the document was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DocumentEnrichmentConfiguration

Service: QBusiness

Provides the configuration information for altering document metadata and content during the document ingestion process.

For more information, see Custom document enrichment.

Contents

inlineConfigurations

Configuration information to alter document attributes or metadata fields and content when ingesting documents into Amazon Q Business.

Type: Array of InlineDocumentEnrichmentConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

postExtractionHookConfiguration

Provides the configuration information for invoking a Lambda function in AWS Lambda to alter document metadata and content when ingesting documents into Amazon Q Business.

You can configure your Lambda function using the `PreExtractionHookConfiguration` parameter if you want to apply advanced alterations on the original or raw documents.

If you want to apply advanced alterations on the Amazon Q Business structured documents, you must configure your Lambda function using `PostExtractionHookConfiguration`.

You can only invoke one Lambda function. However, this function can invoke other functions it requires.

For more information, see Custom document enrichment.

Type: HookConfiguration object

Required: No

preExtractionHookConfiguration

Provides the configuration information for invoking a Lambda function in AWS Lambda to alter document metadata and content when ingesting documents into Amazon Q Business.

You can configure your Lambda function using the `PreExtractionHookConfiguration` parameter if you want to apply advanced alterations on the original or raw documents.

If you want to apply advanced alterations on the Amazon Q Business structured documents, you must configure your Lambda function using `PostExtractionHookConfiguration`.

You can only invoke one Lambda function. However, this function can invoke other functions it requires.

For more information, see Custom document enrichment.

Type: HookConfiguration 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

EligibleDataSource

Service: QBusiness

The identifier of the data source Amazon Q Business will generate responses from.

Contents

dataSourceId

The identifier of the data source.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

indexId

The identifier of the index the data source is attached to.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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

Service: QBusiness

Provides the identifier of the AWS KMS key used to encrypt data indexed by Amazon Q Business. Amazon Q Business doesn't support asymmetric keys.

Contents

kmsKeyId

The identifier of the AWS KMS key. Amazon Q Business doesn't support asymmetric keys.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EndOfInputEvent

Service: QBusiness

The end of the streaming input for the `Chat` API.

Contents

The members of this exception structure are context-dependent.

See Also

For 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

ErrorDetail

Service: QBusiness

Provides information about a Amazon Q Business request error.

Contents

errorCode

The code associated with the Amazon Q Business request error.

Type: String

Valid Values: `InternalError | InvalidRequest | ResourceInactive | ResourceNotFound`

Required: No

errorMessage

The message explaining the Amazon Q Business request error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FailedAttachmentEvent

Service: QBusiness

A failed file upload during web experience chat.

Contents

attachment

The details of a file uploaded during chat.

Type: AttachmentOutput object

Required: No

conversationId

The identifier of the conversation associated with the failed file upload.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

systemMessageId

The identifier of the AI-generated message associated with the file upload.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

userMessageId

The identifier of the end user chat message associated with the file upload.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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

FailedDocument

Service: QBusiness

A list of documents that could not be removed from an Amazon Q Business index. Each entry contains an error message that indicates why the document couldn't be removed from the index.

Contents

dataSourceId

The identifier of the Amazon Q Business data source connector that contains the failed document.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

error

An explanation for why the document couldn't be removed from the index.

Type: ErrorDetail object

Required: No

id

The identifier of the document that couldn't be removed from the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1825.

Pattern: `\P{C}*`

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

GroupMembers

Service: QBusiness

A list of users or sub groups that belong to a group. This is for generating Amazon Q Business chat results only from document a user has access to.

Contents

memberGroups

A list of sub groups that belong to a group. For example, the sub groups "Research", "Engineering", and "Sales and Marketing" all belong to the group "Company".

Type: Array of MemberGroup objects

Required: No

memberUsers

A list of users that belong to a group. For example, a list of interns all belong to the "Interns" group.

Type: Array of MemberUser objects

Required: No

s3PathForGroupMembers

Information required for Amazon Q Business to find a specific file in an Amazon S3 bucket.

Type: S3 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

GroupStatusDetail

Service: QBusiness

Provides the details of a group's status.

Contents

errorDetail

The details of an error associated a group status.

Type: ErrorDetail object

Required: No

lastUpdatedAt

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

Required: No

status

The status of a group.

Type: String

Valid Values: `FAILED | SUCCEEDED | PROCESSING | DELETING | DELETED`

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

GroupSummary

Service: QBusiness

Summary information for groups.

Contents

groupName

The name of the group the summary information is for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `\P{C}*`

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

HallucinationReductionConfiguration

Service: QBusiness

Configuration information required to setup hallucination reduction. For more information, see hallucination reduction.

> **Note**
>
> The hallucination reduction feature won't work if chat orchestration controls are enabled for your application.

Contents

hallucinationReductionControl

Controls whether hallucination reduction has been enabled or disabled for your application. The default status is `DISABLED`.

Type: String

Valid Values: `ENABLED | DISABLED`

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

HookConfiguration

Service: QBusiness

Provides the configuration information for invoking a Lambda function in AWS Lambda to alter document metadata and content when ingesting documents into Amazon Q Business.

You can configure your Lambda function using the `PreExtractionHookConfiguration` parameter if you want to apply advanced alterations on the original or raw documents.

If you want to apply advanced alterations on the Amazon Q Business structured documents, you must configure your Lambda function using `PostExtractionHookConfiguration`.

You can only invoke one Lambda function. However, this function can invoke other functions it requires.

For more information, see Custom document enrichment.

Contents

invocationCondition

The condition used for when a Lambda function should be invoked.

For example, you can specify a condition that if there are empty date-time values, then Amazon Q Business should invoke a function that inserts the current date-time.

Type: DocumentAttributeCondition object

Required: No

lambdaArn

The Amazon Resource Name (ARN) of the Lambda function during ingestion. For more information, see Using Lambda functions for Amazon Q Business document enrichment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws[a-zA-Z-]*:lambda:[a-z-]*-[0-9]:[0-9]{12}:function:[a-zA-Z0-9-_]+(/[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12})?(:[a-zA-Z0-9-_]+)?`

Required: No

roleArn

The Amazon Resource Name (ARN) of a role with permission to run `PreExtractionHookConfiguration` and `PostExtractionHookConfiguration` for altering document metadata and content during the document ingestion process.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

s3BucketName

Stores the original, raw documents or the structured, parsed documents before and after altering them. For more information, see Data contracts for Lambda functions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-z0-9][\.\-a-z0-9]{1,61}[a-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

IdcAuthConfiguration

Service: QBusiness

Information about the AWS IAM Identity Center Application used to configure authentication for a plugin.

Contents

idcApplicationArn

The Amazon Resource Name (ARN) of the AWS IAM Identity Center Application used to configure authentication.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso::\d{12}:application/(sso)?ins-[a-zA-Z0-9-.]{16}/apl-[a-zA-Z0-9]{16}`

Required: Yes

roleArn

The Amazon Resource Name (ARN) of the IAM role with permissions to perform actions on AWS services on your behalf.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: 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

IdentityProviderConfiguration

Service: QBusiness

Provides information about the identity provider (IdP) used to authenticate end users of an Amazon Q Business web experience.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

openIDConnectConfiguration

Information about the OIDC-compliant identity provider (IdP) used to authenticate end users of an Amazon Q Business web experience.

Type: OpenIDConnectProviderConfiguration object

Required: No

samlConfiguration

Information about the SAML 2.0-compliant identity provider (IdP) used to authenticate end users of an Amazon Q Business web experience.

Type: SamlProviderConfiguration 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

ImageExtractionConfiguration

Service: QBusiness

The configuration for extracting semantic meaning from images in documents. For more information, see Extracting semantic meaning from images and visuals.

Contents

imageExtractionStatus

Specify whether to extract semantic meaning from images and visuals from documents.

Type: String

Valid Values: `ENABLED | DISABLED`

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

ImageSourceDetails

Service: QBusiness

Details about an image source, including its identifier and format.

Contents

mediaId

Unique identifier for the image file.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

mediaMimeType

The MIME type of the image file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Index

Service: QBusiness

Summary information for your Amazon Q Business index.

Contents

createdAt

The Unix timestamp when the index was created.

Type: Timestamp

Required: No

displayName

The name of the index.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: No

indexId

The identifier for the index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

status

The current status of the index. When the status is `ACTIVE`, the index is ready.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | FAILED | UPDATING`

Required: No

updatedAt

The Unix timestamp when the index was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IndexCapacityConfiguration

Service: QBusiness

Provides information about index capacity configuration.

Contents

units

The number of storage units configured for an Amazon Q Business index.

Type: Integer

Valid Range: Minimum value of 1.

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

IndexStatistics

Service: QBusiness

Provides information about the number of documents in an index.

Contents

textDocumentStatistics

The number of documents indexed.

Type: TextDocumentStatistics 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

InlineDocumentEnrichmentConfiguration

Service: QBusiness

Provides the configuration information for applying basic logic to alter document metadata and content when ingesting documents into Amazon Q Business.

To apply advanced logic, to go beyond what you can do with basic logic, see `HookConfiguration`.

For more information, see Custom document enrichment.

Contents

condition

The condition used for the target document attribute or metadata field when ingesting documents into Amazon Q Business. You use this with `DocumentAttributeTarget` to apply the condition.

For example, you can create the 'Department' target field and have it prefill department names associated with the documents based on information in the 'Source_URI' field. Set the condition that if the 'Source_URI' field contains 'financial' in its URI value, then prefill the target field 'Department' with the target value 'Finance' for the document.

Amazon Q Business can't create a target field if it has not already been created as an index field. After you create your index field, you can create a document metadata field using `DocumentAttributeTarget`. Amazon Q Business then will map your newly created metadata field to your index field.

Type: DocumentAttributeCondition object

Required: No

documentContentOperator

TRUE to delete content if the condition used for the target attribute is met.

Type: String

Valid Values: `DELETE`

Required: No

target

The target document attribute or metadata field you want to alter when ingesting documents into Amazon Q Business.

For example, you can delete all customer identification numbers associated with the documents, stored in the document metadata field called 'Customer_ID' by setting the target key as 'Customer_ID' and the deletion flag to TRUE. This removes all customer ID values in the field 'Customer_ID'. This would scrub personally identifiable information from each document's metadata.

Amazon Q Business can't create a target field if it has not already been created as an index field. After you create your index field, you can create a document metadata field using `DocumentAttributeTarget`. Amazon Q Business will then map your newly created document attribute to your index field.

You can also use this with `DocumentAttributeCondition`.

Type: DocumentAttributeTarget 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

InstructionCollection

Service: QBusiness

A set of instructions that define how Amazon Q Business should generate and format responses to user queries. This collection includes parameters for controlling response characteristics such as length, audience targeting, perspective, style, identity, tone, and custom instructions.

Contents

customInstructions

Allows administrators to provide specific, custom instructions that guide how Amazon Q Business should respond in particular scenarios or to certain types of queries, enabling fine-grained control over response generation.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

examples

Provides sample responses or templates that Amazon Q Business can reference when generating responses, helping to establish consistent patterns and formats for different types of user queries.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

identity

Defines the persona or identity that Amazon Q Business should adopt when responding to users, allowing for customization of the assistant's character, role, or representation within an organization.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

outputStyle

Specifies the formatting and structural style of responses, such as bullet points, paragraphs, step-by-step instructions, or other organizational formats that enhance readability and comprehension.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

perspective

Determines the point of view or perspective from which Amazon Q Business generates responses, such as first-person, second-person, or third-person perspective, affecting how information is presented to users.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1000.

Pattern: `[\s\S]*`

Required: No

responseLength

Specifies the desired length of responses generated by Amazon Q Business. This parameter allows administrators to control whether responses are concise and brief or more detailed and comprehensive.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1000.

Pattern: [\s\S]*

Required: No

targetAudience

Defines the intended audience for the responses, allowing Amazon Q Business to tailor its language, terminology, and explanations appropriately. This could range from technical experts to general users with varying levels of domain knowledge.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1000.

Pattern: [\s\S]*

Required: No

tone

Controls the emotional tone and communication style of responses, such as formal, casual, technical, friendly, or professional, to align with organizational communication standards and user expectations.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1000.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KendraIndexConfiguration

Service: QBusiness

Stores an Amazon Kendra index as a retriever.

Contents

indexId

The identifier of the Amazon Kendra index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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

MediaExtractionConfiguration

Service: QBusiness

The configuration for extracting information from media in documents.

Contents

audioExtractionConfiguration

Configuration settings for extracting and processing audio content from media files.

Type: AudioExtractionConfiguration object

Required: No

imageExtractionConfiguration

The configuration for extracting semantic meaning from images in documents. For more information, see Extracting semantic meaning from images and visuals.

Type: ImageExtractionConfiguration object

Required: No

videoExtractionConfiguration

Configuration settings for extracting and processing video content from media files.

Type: VideoExtractionConfiguration 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

MemberGroup

Service: QBusiness

The sub groups that belong to a group.

Contents

groupName

The name of the sub group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `\P{C}*`

Required: Yes

type

The type of the sub group.

Type: String

Valid Values: `INDEX | DATASOURCE`

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

MemberUser

Service: QBusiness

The users that belong to a group.

Contents

userId

The identifier of the user you want to map to a group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `\P{C}*`

Required: Yes

type

The type of the user.

Type: String

Valid Values: `INDEX | DATASOURCE`

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

Message

Service: QBusiness

A message in an Amazon Q Business web experience.

Contents

actionExecution

Performs an Amazon Q Business plugin action during a non-streaming chat conversation.

Type: ActionExecution object

Required: No

actionReview

An output event that Amazon Q Business returns to an user who wants to perform a plugin action during a non-streaming chat conversation. It contains information about the selected action with a list of possible user input fields, some pre-populated by Amazon Q Business.

Type: ActionReview object

Required: No

attachments

A file directly uploaded into an Amazon Q Business web experience chat.

Type: Array of AttachmentOutput objects

Required: No

body

The content of the Amazon Q Business web experience message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `\P{C}*$}`

Required: No

messageId

The identifier of the Amazon Q Business web experience message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

sourceAttribution

The source documents used to generate Amazon Q Business web experience message.

Type: Array of SourceAttribution objects

Required: No

time

The timestamp of the first Amazon Q Business web experience message.

Type: Timestamp

Required: No

type

The type of Amazon Q Business message, whether `HUMAN` or `AI` generated.

Type: String

Valid Values: `USER | SYSTEM`

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

MessageUsefulnessFeedback

Service: QBusiness

End user feedback on an AI-generated web experience chat message usefulness.

Contents

submittedAt

The timestamp for when the feedback was submitted.

Type: Timestamp

Required: Yes

usefulness

The usefulness value assigned by an end user to a message.

Type: String

Valid Values: `USEFUL | NOT_USEFUL`

Required: Yes

comment

A comment given by an end user on the usefulness of an AI-generated chat message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

reason

The reason for a usefulness rating.

Type: String

Valid Values: `NOT_FACTUALLY_CORRECT | HARMFUL_OR_UNSAFE | INCORRECT_OR_MISSING_SOURCES | NOT_HELPFUL | FACTUALLY_CORRECT |`

```
COMPLETE | RELEVANT_SOURCES | HELPFUL | NOT_BASED_ON_DOCUMENTS |
NOT_COMPLETE | NOT_CONCISE | OTHER
```

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

MetadataEvent

Service: QBusiness

A metadata event for a AI-generated text output message in a Amazon Q Business conversation, containing associated metadata generated.

Contents

conversationId

The identifier of the conversation with which the generated metadata is associated.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

finalTextMessage

The final text output message generated by the system.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

sourceAttributions

The source documents used to generate the conversation response.

Type: Array of SourceAttribution objects

Required: No

systemMessageId

The identifier of an Amazon Q Business AI generated message within the conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

userMessageId

The identifier of an Amazon Q Business end user text input message within the conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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

NativeIndexConfiguration

Service: QBusiness

Configuration information for an Amazon Q Business index.

Contents

indexId

The identifier for the Amazon Q Business index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: Yes

boostingOverride

Overrides the default boosts applied by Amazon Q Business to supported document attribute data types.

Type: String to DocumentAttributeBoostingConfiguration object map

Map Entries: Maximum number of items.

Key Length Constraints: Minimum length of 1. Maximum length of 200.

Key Pattern: `[a-zA-Z0-9_][a-zA-Z0-9_-]*`

Required: No

version

A read-only field that specifies the version of the `NativeIndexConfiguration`.

Amazon Q Business introduces enhanced document retrieval capabilities in version 2 of `NativeIndexConfiguration`, focusing on streamlined metadata boosting that prioritizes recency and source relevance to deliver more accurate responses to your queries. Version 2 has the following differences from version 1:

- Version 2 supports a single Date field (created_at OR last_updated_at) for recency boosting

- Version 2 supports a single String field with an ordered list of up to 5 values
- Version 2 introduces number-based boost levels (ONE, TWO) alongside the text-based levels
- Version 2 allows specifying prioritization between Date and String fields
- Version 2 maintains backward compatibility with existing configurations

Type: Long

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

NoAuthConfiguration

Service: QBusiness

Information about invoking a custom plugin without any authentication or authorization requirement.

Contents

The members of this exception structure are context-dependent.

See Also

For 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

NumberAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting `NUMBER` type document attributes.

In the current boosting implementation, boosting focuses primarily on `DATE` attributes for recency and `STRING` attributes for source prioritization. `NUMBER` attributes can serve as additional boosting factors when needed, but are not supported when using `NativeIndexConfiguration` version 2.

For more information on how boosting document attributes work in Amazon Q Business, see Boosting using document attributes.

Contents

boostingLevel

Specifies the priority of boosted document attributes in relation to other boosted attributes. This parameter determines how strongly the attribute influences document ranking in search results. `NUMBER` attributes can serve as additional boosting factors when needed, but are not supported when using `NativeIndexConfiguration` version 2.

Type: String

Valid Values: `NONE | LOW | MEDIUM | HIGH | VERY_HIGH | ONE | TWO`

Required: Yes

boostingType

Specifies whether higher or lower numeric values should be prioritized when boosting. Valid values are ASCENDING (higher numbers are more important) and DESCENDING (lower numbers are more important).

Type: String

Valid Values: `PRIORITIZE_LARGER_VALUES | PRIORITIZE_SMALLER_VALUES`

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

OAuth2ClientCredentialConfiguration

Service: QBusiness

Information about the OAuth 2.0 authentication credential/token used to configure a plugin.

Contents

roleArn

The ARN of an IAM role used by Amazon Q Business to access the OAuth 2.0 authentication credentials stored in a Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

secretArn

The ARN of the Secrets Manager secret that stores the OAuth 2.0 credentials/token used for plugin configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

authorizationUrl

The redirect URL required by the OAuth 2.0 protocol for Amazon Q Business to authenticate a plugin user through a third party authentication server.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(https?|ftp|file):\/\/([^\s]*)`

Required: No

tokenUrl

The URL required by the OAuth 2.0 protocol to exchange an end user authorization code for an access token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(https?|ftp|file):\/\/([^\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

OpenIDConnectProviderConfiguration

Service: QBusiness

Information about the OIDC-compliant identity provider (IdP) used to authenticate end users of an Amazon Q Business web experience.

Contents

secretsArn

The Amazon Resource Name (ARN) of a Secrets Manager secret containing the OIDC client secret.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

secretsRole

An IAM role with permissions to access AWS KMS to decrypt the Secrets Manager secret containing your OIDC client secret.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: 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

OrchestrationConfiguration

Service: QBusiness

Configuration information required to enable chat orchestration for your Amazon Q Business application.

> **Note**
>
> Chat orchestration is optimized to work for English language content. For more details on language support in Amazon Q Business, see Supported languages.

Contents

control

Status information about whether chat orchestration is activated or deactivated for your Amazon Q Business application.

Type: String

Valid Values: `ENABLED | DISABLED`

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

PermissionCondition

Service: QBusiness

Defines a condition that restricts when a permission is effective. Conditions allow you to control access based on specific attributes of the request.

Contents

conditionKey

The key for the condition. This identifies the attribute that the condition applies to.

Type: String

Pattern: `aws:PrincipalTag/qbusiness-dataaccessor:[a-zA-Z]+.*`

Required: Yes

conditionOperator

The operator to use for the condition evaluation. This determines how the condition values are compared.

Type: String

Valid Values: `StringEquals`

Required: Yes

conditionValues

The values to compare against using the specified condition operator.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PersonalizationConfiguration

Service: QBusiness

Configuration information about chat response personalization. For more information, see Personalizing chat responses.

Contents

personalizationControlMode

An option to allow Amazon Q Business to customize chat responses using user specific metadata—specifically, location and job information—in your IAM Identity Center instance.

Type: String

Valid Values: `ENABLED | DISABLED`

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

Plugin

Service: QBusiness

Information about an Amazon Q Business plugin and its configuration.

Contents

buildStatus

The status of the plugin.

Type: String

Valid Values: `READY | CREATE_IN_PROGRESS | CREATE_FAILED | UPDATE_IN_PROGRESS | UPDATE_FAILED | DELETE_IN_PROGRESS | DELETE_FAILED`

Required: No

createdAt

The timestamp for when the plugin was created.

Type: Timestamp

Required: No

displayName

The name of the plugin.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: No

pluginId

The identifier of the plugin.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: No

serverUrl

The plugin server URL used for configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(https?|ftp|file)://([^\s]*)`

Required: No

state

The current status of the plugin.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

type

The type of the plugin.

Type: String

Valid Values: `SERVICE_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM | QUICKSIGHT | SERVICENOW_NOW_PLATFORM | JIRA_CLOUD | SALESFORCE_CRM | ZENDESK_SUITE | ATLASSIAN_CONFLUENCE | GOOGLE_CALENDAR | MICROSOFT_TEAMS | MICROSOFT_EXCHANGE | PAGERDUTY_ADVANCE | SMARTSHEET | ASANA`

Required: No

updatedAt

The timestamp for when the plugin was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PluginAuthConfiguration

Service: QBusiness

Authentication configuration information for an Amazon Q Business plugin.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

basicAuthConfiguration

Information about the basic authentication credentials used to configure a plugin.

Type: BasicAuthConfiguration object

Required: No

idcAuthConfiguration

Information about the AWS IAM Identity Center Application used to configure authentication for a plugin.

Type: IdcAuthConfiguration object

Required: No

noAuthConfiguration

Information about invoking a custom plugin without any authentication.

Type: NoAuthConfiguration object

Required: No

oAuth2ClientCredentialConfiguration

Information about the OAuth 2.0 authentication credential/token used to configure a plugin.

Type: OAuth2ClientCredentialConfiguration 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

PluginConfiguration

Service: QBusiness

Configuration information required to invoke chat in `PLUGIN_MODE`.

For more information, see Admin controls and guardrails, Plugins, and Conversation settings.

Contents

pluginId

The identifier of the plugin you want to use.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

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

PluginTypeMetadataSummary

Service: QBusiness

Summary metadata information for a Amazon Q Business plugin.

Contents

category

The category of the plugin type.

Type: String

Valid Values: `Customer relationship management (CRM) | Project management | Communication | Productivity | Ticketing and incident management`

Required: No

description

The description assigned by Amazon Q Business to a plugin. You can't modify this value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

type

The type of the plugin.

Type: String

Valid Values: `SERVICE_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM | QUICKSIGHT | SERVICENOW_NOW_PLATFORM | JIRA_CLOUD | SALESFORCE_CRM | ZENDESK_SUITE | ATLASSIAN_CONFLUENCE | GOOGLE_CALENDAR | MICROSOFT_TEAMS | MICROSOFT_EXCHANGE | PAGERDUTY_ADVANCE | SMARTSHEET | ASANA`

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

Principal

Service: QBusiness

Provides user and group information used for filtering documents to use for generating Amazon Q Business conversation responses.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

group

The group associated with the principal.

Type: PrincipalGroup object

Required: No

user

The user associated with the principal.

Type: PrincipalUser 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

PrincipalGroup

Service: QBusiness

Provides information about a group associated with the principal.

Contents

access

Provides information about whether to allow or deny access to the principal.

Type: String

Valid Values: `ALLOW | DENY`

Required: Yes

membershipType

The type of group.

Type: String

Valid Values: `INDEX | DATASOURCE`

Required: No

name

The name of the group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `\P{C}*`

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

PrincipalUser

Service: QBusiness

Provides information about a user associated with a principal.

Contents

access

Provides information about whether to allow or deny access to the principal.

Type: String

Valid Values: `ALLOW | DENY`

Required: Yes

id

The identifier of the user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `\P{C}*`

Required: No

membershipType

The type of group.

Type: String

Valid Values: `INDEX | DATASOURCE`

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

QAppsConfiguration

Service: QBusiness

Configuration information about Amazon Q Apps.

Contents

qAppsControlMode

Status information about whether end users can create and use Amazon Q Apps in the web experience.

Type: String

Valid Values: `ENABLED | DISABLED`

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

QuickSightConfiguration

Service: QBusiness

The Amazon QuickSight configuration for an Amazon Q Business application that uses QuickSight as the identity provider. For more information, see Creating an Amazon QuickSight integrated application.

Contents

clientNamespace

The Amazon QuickSight namespace that is used as the identity provider. For more information about QuickSight namespaces, see Namespace operations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9._-]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RelevantContent

Service: QBusiness

Represents a piece of content that is relevant to a search query.

Contents

content

The actual content of the relevant item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

documentAttributes

Additional attributes of the document containing the relevant content.

Type: Array of DocumentAttribute objects

Array Members: Minimum number of 1 item. Maximum number of 500 items.

Required: No

documentId

The unique identifier of the document containing the relevant content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1825.

Pattern: `\P{C}*`

Required: No

documentTitle

The title of the document containing the relevant content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

documentUri

The URI of the document containing the relevant content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(https?|ftp|file)://([^\s]*)`

Required: No

scoreAttributes

Attributes related to the relevance score of the content.

Type: ScoreAttributes 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

ResponseConfiguration

Service: QBusiness

Configuration settings to define how Amazon Q Business generates and formats responses to user queries. This includes customization options for response style, tone, length, and other characteristics.

Contents

instructionCollection

A collection of instructions that guide how Amazon Q Business generates responses, including parameters for response length, target audience, perspective, output style, identity, tone, and custom instructions.

Type: InstructionCollection 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

Retriever

Service: QBusiness

Summary information for the retriever used for your Amazon Q Business application.

Contents

applicationId

The identifier of the Amazon Q Business application using the retriever.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

displayName

The name of your retriever.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: No

retrieverId

The identifier of the retriever used by your Amazon Q Business application.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

status

The status of your retriever.

Type: String

Valid Values: `CREATING | ACTIVE | FAILED`

Required: No

type

The type of your retriever.

Type: String

Valid Values: `NATIVE_INDEX | KENDRA_INDEX`

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

RetrieverConfiguration

Service: QBusiness

Provides information on how the retriever used for your Amazon Q Business application is configured.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

kendraIndexConfiguration

Provides information on how the Amazon Kendra index used as a retriever for your Amazon Q Business application is configured.

Type: KendraIndexConfiguration object

Required: No

nativeIndexConfiguration

Provides information on how a Amazon Q Business index used as a retriever for your Amazon Q Business application is configured.

Type: NativeIndexConfiguration 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

RetrieverContentSource

Service: QBusiness

Specifies a retriever as the content source for a search.

Contents

retrieverId

The unique identifier of the retriever to use as the content source.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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

Rule

Service: QBusiness

Guardrail rules for an Amazon Q Business application. Amazon Q Business supports only one rule at a time.

Contents

ruleType

The type of rule.

Type: String

Valid Values: `CONTENT_BLOCKER_RULE | CONTENT_RETRIEVAL_RULE`

Required: Yes

excludedUsersAndGroups

Users and groups to be excluded from a rule.

Type: UsersAndGroups object

Required: No

includedUsersAndGroups

Users and groups to be included in a rule.

Type: UsersAndGroups object

Required: No

ruleConfiguration

The configuration information for a rule.

Type: RuleConfiguration 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

RuleConfiguration

Service: QBusiness

Provides configuration information about a rule.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

contentBlockerRule

A rule for configuring how Amazon Q Business responds when it encounters a a blocked topic.

Type: ContentBlockerRule object

Required: No

contentRetrievalRule

Rules for retrieving content from data sources connected to a Amazon Q Business application for a specific topic control configuration.

Type: ContentRetrievalRule 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

S3

Service: QBusiness

Information required for Amazon Q Business to find a specific file in an Amazon S3 bucket.

Contents

bucket

The name of the S3 bucket that contains the file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9]`

Required: Yes

key

The name of the file.

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

SamlConfiguration

Service: QBusiness

Provides the SAML 2.0 compliant identity provider (IdP) configuration information Amazon Q Business needs to deploy a Amazon Q Business web experience.

Contents

metadataXML

The metadata XML that your IdP generated.

Type: String

Length Constraints: Minimum length of 1000. Maximum length of 10000000.

Pattern: `.*`

Required: Yes

roleArn

The Amazon Resource Name (ARN) of an IAM role assumed by users when they authenticate into their Amazon Q Business web experience, containing the relevant Amazon Q Business permissions for conversing with Amazon Q Business.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

userIdAttribute

The user attribute name in your IdP that maps to the user email.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

userGroupAttribute

The group attribute name in your IdP that maps to user groups.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SamlProviderConfiguration

Service: QBusiness

Information about the SAML 2.0-compliant identity provider (IdP) used to authenticate end users of an Amazon Q Business web experience.

Contents

authenticationUrl

The URL where Amazon Q Business end users will be redirected for authentication.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1284.

Pattern: `https://.*`

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

ScoreAttributes

Service: QBusiness

Provides information about the relevance score of content.

Contents

scoreConfidence

The confidence level of the relevance score.

Type: String

Valid Values: `VERY_HIGH | HIGH | MEDIUM | LOW | NOT_AVAILABLE`

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

SnippetExcerpt

Service: QBusiness

Contains the relevant text excerpt from a source that was used to generate a citation text segment in an Amazon Q Business chat response.

Contents

text

The relevant text excerpt from a source that was used to generate a citation text segment in an Amazon Q chat response.

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

SourceAttribution

Service: QBusiness

The documents used to generate an Amazon Q Business web experience response.

Contents

citationNumber

The number attached to a citation in an Amazon Q Business generated response.

Type: Integer

Required: No

datasourceId

The identifier of the data source from which the document was ingested. This field is not present if the document is ingested by directly calling the BatchPutDocument API (similar to checkDocumentAccess). If the document is from a file-upload data source, the datasource will be "uploaded-docs-file-stat-datasourceid".

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

documentId

The unique identifier of the source document used in the citation, obtained from the Amazon Q Business index during chat response generation. This ID is used as input to the `GetDocumentContent` API to retrieve the actual document content for user verification.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

indexId

The identifier of the index containing the source document's metadata and access control information. This links the citation back to the specific Amazon Q Business index where the document's searchable content and permissions are stored.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

snippet

The content extract from the document on which the generated response is based.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

textMessageSegments

A text extract from a source document that is used for source attribution.

Type: Array of TextSegment objects

Required: No

title

The title of the document which is the source for the Amazon Q Business generated response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

updatedAt

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

Required: No

url

The URL of the document which is the source for the Amazon Q Business generated response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceDetails

Service: QBusiness

Container for details about different types of media sources (image, audio, or video).

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

audioSourceDetails

Details specific to audio content within the source.

Type: AudioSourceDetails object

Required: No

imageSourceDetails

Details specific to image content within the source.

Type: ImageSourceDetails object

Required: No

videoSourceDetails

Details specific to video content within the source.

Type: VideoSourceDetails 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

StringAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting `STRING` type document attributes.

> **Note**
>
> For `STRING` and `STRING_LIST` type document attributes to be used for boosting on the console and the API, they must be enabled for search using the DocumentAttributeConfiguration object of the UpdateIndex API. If you haven't enabled searching on these attributes, you can't boost attributes of these data types on either the console or the API.

For more information on how boosting document attributes work in Amazon Q Business, see Boosting using document attributes.

Contents

boostingLevel

Specifies the priority tier ranking of boosting applied to document attributes. For version 2, this parameter indicates the relative ranking between boosted fields (ONE being highest priority, TWO being second highest, etc.) and determines the order in which attributes influence document ranking in search results. For version 1, this parameter specifies the boosting intensity. For version 2, boosting intensity (VERY HIGH, HIGH, MEDIUM, LOW, NONE) are not supported. Note that in version 2, you are not allowed to boost on only one field and make this value TWO.

Type: String

Valid Values: `NONE | LOW | MEDIUM | HIGH | VERY_HIGH | ONE | TWO`

Required: Yes

attributeValueBoosting

Specifies specific values of a `STRING` type document attribute being boosted. When using `NativeIndexConfiguration` version 2, you can specify up to five values in order of priority.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 2048.

Valid Values: `LOW | MEDIUM | HIGH | VERY_HIGH | ONE | TWO | THREE | FOUR | FIVE`

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

StringListAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting `STRING_LIST` type document attributes.

In the current boosting implementation, boosting focuses primarily on `DATE` attributes for recency and `STRING` attributes for source prioritization. `STRING_LIST` attributes can serve as additional boosting factors when needed, but are not supported when using `NativeIndexConfiguration` version 2.

> **Note**
>
> For `STRING` and `STRING_LIST` type document attributes to be used for boosting on the console and the API, they must be enabled for search using the DocumentAttributeConfiguration object of the UpdateIndex API. If you haven't enabled searching on these attributes, you can't boost attributes of these data types on either the console or the API.

For more information on how boosting document attributes work in Amazon Q Business, see Boosting using document attributes.

Contents

boostingLevel

Specifies the priority of boosted document attributes in relation to other boosted attributes. This parameter determines how strongly the attribute influences document ranking in search results. `STRING_LIST` attributes can serve as additional boosting factors when needed, but are not supported when using `NativeIndexConfiguration` version 2.

Type: String

Valid Values: `NONE | LOW | MEDIUM | HIGH | VERY_HIGH | ONE | TWO`

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

Subscription

Service: QBusiness

Information about an Amazon Q Business subscription.

Subscriptions are used to provide access for an IAM Identity Center user or a group to an Amazon Q Business application.

Amazon Q Business offers two subscription tiers: `Q_LITE` and `Q_BUSINESS`. Subscription tier determines feature access for the user. For more information on subscriptions and pricing tiers, see Amazon Q Business pricing.

Contents

currentSubscription

The type of your current Amazon Q Business subscription.

Type: SubscriptionDetails object

Required: No

nextSubscription

The type of the Amazon Q Business subscription for the next month.

Type: SubscriptionDetails object

Required: No

principal

The IAM Identity Center `UserId` or `GroupId` of a user or group in the IAM Identity Center instance connected to the Amazon Q Business application.

Type: SubscriptionPrincipal object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

subscriptionArn

The Amazon Resource Name (ARN) of the Amazon Q Business subscription that was updated.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

subscriptionId

The identifier of the Amazon Q Business subscription to be updated.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1224.

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

SubscriptionDetails

Service: QBusiness

The details of an Amazon Q Business subscription.

Contents

type

The type of an Amazon Q Business subscription.

Type: String

Valid Values: `Q_LITE | Q_BUSINESS`

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

SubscriptionPrincipal

Service: QBusiness

A user or group in the IAM Identity Center instance connected to the Amazon Q Business application.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

group

The identifier of a group in the IAM Identity Center instance connected to the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: No

user

The identifier of a user in the IAM Identity Center instance connected to the Amazon Q Business application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: 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

Tag

Service: QBusiness

A list of key/value pairs that identify an index, FAQ, or data source. Tag keys and values can consist of Unicode letters, digits, white space, and any of the following symbols: _ . : / = + - @.

Contents

key

The key for the tag. Keys are not case sensitive and must be unique for the Amazon Q Business application or data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

value

The value associated with the tag. The value may be an empty string but it can't be null.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TextDocumentStatistics

Service: QBusiness

Provides information about text documents in an index.

Contents

indexedTextBytes

The total size, in bytes, of the indexed documents.

Type: Long

Valid Range: Minimum value of 0.

Required: No

indexedTextDocumentCount

The number of text documents indexed.

Type: Integer

Valid Range: Minimum value of 0.

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

TextInputEvent

Service: QBusiness

An input event for a end user message in an Amazon Q Business web experience.

Contents

userMessage

A user message in a text message input event.

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

TextOutputEvent

Service: QBusiness

An output event for an AI-generated response in an Amazon Q Business web experience.

Contents

conversationId

The identifier of the conversation with which the text output event is associated.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

systemMessage

An AI-generated message in a `TextOutputEvent`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

systemMessageId

The identifier of an AI-generated message in a `TextOutputEvent`.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

systemMessageType

The type of AI-generated message in a `TextOutputEvent`. Amazon Q Business currently supports two types of messages:

- RESPONSE - The Amazon Q Business system response.
- GROUNDED_RESPONSE - The corrected, hallucination-reduced, response returned by Amazon Q Business. Available only if hallucination reduction is supported and configured for the application and detected in the end user chat query by Amazon Q Business.

Type: String

Valid Values: RESPONSE | GROUNDED_RESPONSE

Required: No

userMessageId

The identifier of an end user message in a TextOutputEvent.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9][a-zA-Z0-9-]{35}

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

TextSegment

Service: QBusiness

Provides information about a text extract in a chat response that can be attributed to a source document.

Contents

beginOffset

The zero-based location in the response string where the source attribution starts.

Type: Integer

Required: No

endOffset

The zero-based location in the response string where the source attribution ends.

Type: Integer

Required: No

mediaId

This member has been deprecated.

The identifier of the media object associated with the text segment in the source attribution.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

mediaMimeType

This member has been deprecated.

The MIME type (image/png) of the media object associated with the text segment in the source attribution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

snippetExcerpt

The relevant text excerpt from a source that was used to generate a citation text segment in an Amazon Q Business chat response.

Type: SnippetExcerpt object

Required: No

sourceDetails

Source information for a segment of extracted text, including its media type.

Type: SourceDetails 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

TopicConfiguration

Service: QBusiness

The topic specific controls configured for an Amazon Q Business application.

Contents

name

A name for your topic control configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{0,35}`

Required: Yes

rules

Rules defined for a topic configuration.

Type: Array of Rule objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: Yes

description

A description for your topic control configuration. Use this to outline how the large language model (LLM) should use this topic control configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `\P{C}*`

Required: No

exampleChatMessages

A list of example phrases that you expect the end user to use in relation to the topic.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `\P{C}*`

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

UserAlias

Service: QBusiness

Aliases attached to a user id within an Amazon Q Business application.

Contents

userId

The identifier of the user id associated with the user aliases.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

dataSourceId

The identifier of the data source that the user aliases are associated with.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

indexId

The identifier of the index that the user aliases are associated with.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

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

UsersAndGroups

Service: QBusiness

Provides information about users and group names associated with a topic control rule.

Contents

userGroups

The user group names associated with a topic control rule.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

userIds

The user ids associated with a topic control rule.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ValidationExceptionField

Service: QBusiness

The input failed to meet the constraints specified by Amazon Q Business in a specified field.

Contents

message

A message about the validation exception.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

name

The field name where the invalid entry was detected.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VideoExtractionConfiguration

Service: QBusiness

Configuration settings for video content extraction and processing.

Contents

videoExtractionStatus

The status of video extraction (ENABLED or DISABLED) for processing video content from files.

Type: String

Valid Values: `ENABLED | DISABLED`

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

VideoSourceDetails

Service: QBusiness

Details about a video source, including its identifier, format, and time information.

Contents

endTimeMilliseconds

The ending timestamp in milliseconds for the relevant video segment.

Type: Long

Required: No

mediaId

Unique identifier for the video media file.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9-]{35}`

Required: No

mediaMimeType

The MIME type of the video file (e.g., video/mp4, video/avi).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

startTimeMilliseconds

The starting timestamp in milliseconds for the relevant video segment.

Type: Long

Required: No

videoExtractionType

The type of video extraction performed on the content.

Type: String

Valid Values: `TRANSCRIPT | SUMMARY`

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

WebExperience

Service: QBusiness

Provides information for an Amazon Q Business web experience.

Contents

createdAt

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

Required: No

defaultEndpoint

The endpoint URLs for your Amazon Q Business web experience. The URLs are unique and fully hosted by AWS.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(https?|ftp|file)://([^\s]*)`

Required: No

status

The status of your Amazon Q Business web experience.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | FAILED | PENDING_AUTH_CONFIG`

Required: No

updatedAt

The Unix timestamp when your Amazon Q Business web experience was updated.

Type: Timestamp

Required: No

webExperienceId

The identifier of your Amazon Q Business web experience.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-zA-Z0-9][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

WebExperienceAuthConfiguration

Service: QBusiness

Provides the authorization configuration information needed to deploy a Amazon Q Business web experience to end users.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

samlConfiguration

Provides the SAML 2.0 compliant identity provider (IdP) configuration information Amazon Q Business needs to deploy a Amazon Q Business web experience.

Type: SamlConfiguration 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

QApps

The following data types are supported by QApps:

- AppDefinition
- AppDefinitionInput

- AttributeFilter
- BatchCreateCategoryInputCategory
- Card
- CardInput
- CardStatus
- CardValue
- Category
- CategoryInput
- ConversationMessage
- DocumentAttribute
- DocumentAttributeValue
- FileUploadCard
- FileUploadCardInput
- FormInputCard
- FormInputCardInput
- FormInputCardMetadata
- LibraryItemMember
- PermissionInput
- PermissionOutput
- PredictAppDefinition
- PredictQAppInputOptions
- PrincipalOutput
- QAppSessionData
- QPluginCard
- QPluginCardInput
- QQueryCard
- QQueryCardInput
- SessionSharingConfiguration
- Submission
- SubmissionMutation

- TextInputCard
- TextInputCardInput
- User
- UserAppItem

AppDefinition

Service: QApps

The definition of the Q App, specifying the cards and flow.

Contents

appDefinitionVersion

The version of the app definition schema or specification.

Type: String

Required: Yes

cards

The cards that make up the Q App, such as text input, file upload, or query cards.

Type: Array of Card objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: Yes

canEdit

A flag indicating whether the Q App's definition can be edited by the user.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppDefinitionInput

Service: QApps

The input for defining an Q App.

Contents

cards

The cards that make up the Q App definition.

Type: Array of CardInput objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: Yes

initialPrompt

The initial prompt displayed when the Q App is started.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

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

AttributeFilter

Service: QApps

The filter criteria used on responses based on document attributes or metadata fields.

Contents

andAllFilters

Performs a logical `AND` operation on all supplied filters.

Type: Array of AttributeFilter objects

Required: No

containsAll

Returns `true` when a document contains all the specified document attributes or metadata fields. Supported for the following document attribute value types: `stringListValue`.

Type: DocumentAttribute object

Required: No

containsAny

Returns `true` when a document contains any of the specified document attributes or metadata fields. Supported for the following document attribute value types: `stringListValue`.

Type: DocumentAttribute object

Required: No

equalsTo

Performs an *equals* operation on two document attributes or metadata fields. Supported for the following document attribute value types: `dateValue`, `longValue`, `stringListValue` and `stringValue`.

Type: DocumentAttribute object

Required: No

greaterThan

Performs a *greater than* operation on two document attributes or metadata fields. Supported for the following document attribute value types: `dateValue` and `longValue`.

Type: DocumentAttribute object

Required: No

greaterThanOrEquals

Performs a *greater than or equals* operation on two document attributes or metadata fields. Supported for the following document attribute value types: `dateValue` and `longValue`.

Type: DocumentAttribute object

Required: No

lessThan

Performs a *less than* operation on two document attributes or metadata fields. Supported for the following document attribute value types: `dateValue` and `longValue`.

Type: DocumentAttribute object

Required: No

lessThanOrEquals

Performs a *less than or equals* operation on two document attributes or metadata fields.Supported for the following document attribute value type: `dateValue` and `longValue`.

Type: DocumentAttribute object

Required: No

notFilter

Performs a logical `NOT` operation on all supplied filters.

Type: AttributeFilter object

Required: No

orAllFilters

Performs a logical `OR` operation on all supplied filters.

Type: Array of AttributeFilter objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchCreateCategoryInputCategory

Service: QApps

The category object to be created.

Contents

title

The name of the category.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30.

Pattern: `[a-zA-Z0-9_]+( [a-zA-Z0-9_]+)*`

Required: Yes

color

The color to be associated with a category. The color must be a hexadecimal value of either 3 or 6 digits.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 7.

Pattern: `#([A-Fa-f0-9]{3}|[A-Fa-f0-9]{6})`

Required: No

id

The unique identifier to be associated with a category. If you don't include a value, the category is automatically assigned a unique identifier.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Card

Service: QApps

A card representing a component or step in an Amazon Q App's flow.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

fileUpload

A container for the properties of the file upload card.

Type: FileUploadCard object

Required: No

formInput

A container for the properties of the form input card.

Type: FormInputCard object

Required: No

qPlugin

A container for the properties of the plugin card.

Type: QPluginCard object

Required: No

qQuery

A container for the properties of the query card.

Type: QQueryCard object

Required: No

textInput

A container for the properties of the text input card.

Type: TextInputCard 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

CardInput

Service: QApps

The properties defining an input card in an Amazon Q App.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

fileUpload

A container for the properties of the file upload input card.

Type: FileUploadCardInput object

Required: No

formInput

A container for the properties of the form input card.

Type: FormInputCardInput object

Required: No

qPlugin

A container for the properties of the plugin input card.

Type: QPluginCardInput object

Required: No

qQuery

A container for the properties of the query input card.

Type: QQueryCardInput object

Required: No

textInput

A container for the properties of the text input card.

Type: TextInputCardInput 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

CardStatus

Service: QApps

The current status and value of a card in an active Amazon Q App session.

Contents

currentState

The current state of the card.

Type: String

Valid Values: `IN_PROGRESS | WAITING | COMPLETED | ERROR`

Required: Yes

currentValue

The current value or result associated with the card.

Type: String

Required: Yes

submissions

A list of previous submissions, if the card is a form card.

Type: Array of Submission objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CardValue

Service: QApps

The value or result associated with a card in a Amazon Q App session.

Contents

cardId

The unique identifier of the card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

value

The value or result associated with the card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 40000.

Required: Yes

submissionMutation

The structure that describes how the current form card value is mutated. Only applies for form cards when multiple responses are allowed.

Type: SubmissionMutation 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

Category

Service: QApps

A category used to classify and filter library items for Amazon Q Apps.

Contents

id

The unique identifier of the category.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

title

The title or name of the category.

Type: String

Required: Yes

appCount

The number of published Amazon Q Apps associated with a category

Type: Integer

Required: No

color

The color of the category

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

CategoryInput

Service: QApps

A label that web experience users associate with a library item. Web experience users use Categories to tag and filter library items.

Contents

id

The unique identifier of the category.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

title

The name of the category.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30.

Pattern: `[a-zA-Z0-9_]+( [a-zA-Z0-9_]+)*`

Required: Yes

color

The color of the category, represented as a hexadecimal value of either 3 or 6 digits.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 7.

Pattern: `#([A-Fa-f0-9]{3}|[A-Fa-f0-9]{6})`

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

ConversationMessage

Service: QApps

A message in a conversation, used as input for generating an Amazon Q App definition.

Contents

body

The text content of the conversation message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 7000.

Required: Yes

type

The type of the conversation message.

Type: String

Valid Values: `USER | SYSTEM`

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

DocumentAttribute

Service: QApps

A document attribute or metadata field.

Contents

name

The identifier for the attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `[a-zA-Z0-9_][a-zA-Z0-9_-]*`

Required: Yes

value

The value of the attribute.

Type: DocumentAttributeValue 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

DocumentAttributeValue

Service: QApps

The value of a document attribute. You can only provide one value for a document attribute.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

dateValue

A date expressed as an ISO 8601 string.

It's important for the time zone to be included in the *ISO 8601 date-time* format. For example, 2012-03-25T12:30:10+01:00 is the ISO 8601 date-time format for March 25th 2012 at 12:30PM (plus 10 seconds) in Central European Time.

Type: Timestamp

Required: No

longValue

A long integer value.

Type: Long

Required: No

stringListValue

A list of strings.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

stringValue

A string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FileUploadCard

Service: QApps

A card in an Amazon Q App that allows the user to upload a file.

Contents

dependencies

Any dependencies or requirements for the file upload card.

Type: Array of strings

Required: Yes

id

The unique identifier of the file upload card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

title

The title of the file upload card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

allowOverride

A flag indicating if the user can override the default file for the upload card.

Type: Boolean

Required: No

fileId

The unique identifier of the file associated with the card.

Type: String

Required: No

filename

The name of the file being uploaded.

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

FileUploadCardInput

Service: QApps

Represents a file upload card. It can optionally receive a `filename` and `fileId` to set a default file. If not received, the user must provide the file when the Q App runs.

Contents

id

The unique identifier of the file upload card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

title

The title or label of the file upload card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

allowOverride

A flag indicating if the user can override the default file for the upload card.

Type: Boolean

Required: No

fileId

The identifier of a pre-uploaded file associated with the card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

filename

The default filename to use for the file upload card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FormInputCard

Service: QApps

A card in an Amazon Q App that allows the user to submit a response.

Contents

dependencies

Any dependencies or requirements for the form input card.

Type: Array of strings

Required: Yes

id

The unique identifier of the form input card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

metadata

The metadata that defines the form input card data.

Type: FormInputCardMetadata object

Required: Yes

title

The title of the form input card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

computeMode

The compute mode of the form input card. This property determines whether individual participants of a data collection session can submit multiple response or one response. A compute mode of `append` shall allow participants to submit the same form multiple times with different values. A compute mode of `replace`code> shall overwrite the current value for each participant.

Type: String

Valid Values: `append | replace`

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

FormInputCardInput

Service: QApps

Represents a form input card for an Amazon Q App.

Contents

id

The unique identifier of the form input card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

metadata

The metadata that defines the form input card data.

Type: FormInputCardMetadata object

Required: Yes

title

The title or label of the form input card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

computeMode

The compute mode of the form input card. This property determines whether individual participants of a data collection session can submit multiple response or one response. A compute mode of `append` shall allow participants to submit the same form multiple times with different values. A compute mode of `replacecode>` shall overwrite the current value for each participant.

Type: String

Valid Values: `append | replace`

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

FormInputCardMetadata

Service: QApps

The metadata of the form input card.

Contents

schema

The JSON schema that defines the shape of the response data.

Type: JSON value

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

LibraryItemMember

Service: QApps

A library item is a snapshot of an Amazon Q App that can be published so the users in their Amazon Q Apps library can discover it, clone it, and run it.

Contents

appId

The unique identifier of the Q App associated with the library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

appVersion

The version of the Q App associated with the library item.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

categories

The categories associated with the library item.

Type: Array of Category objects

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Required: Yes

createdAt

The date and time the library item was created.

Type: Timestamp

Required: Yes

createdBy

The user who created the library item.

Type: String

Required: Yes

libraryItemId

The unique identifier of the library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

ratingCount

The number of ratings the library item has received.

Type: Integer

Required: Yes

status

The status of the library item.

Type: String

Required: Yes

isRatedByUser

Whether the current user has rated the library item.

Type: Boolean

Required: No

isVerified

Indicates whether the library item has been verified.

Type: Boolean

Required: No

updatedAt

The date and time the library item was last updated.

Type: Timestamp

Required: No

updatedBy

The user who last updated the library item.

Type: String

Required: No

userCount

The number of users who have the associated Q App.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PermissionInput

Service: QApps

The permission to grant or revoke for a Amazon Q App.

Contents

action

The action associated with the permission.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Valid Values: `read | write`

Required: Yes

principal

The principal user to which the permission applies.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PermissionOutput

Service: QApps

The permission granted to the Amazon Q App.

Contents

action

The action associated with the permission.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Valid Values: `read | write`

Required: Yes

principal

The principal user to which the permission applies.

Type: PrincipalOutput object

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

PredictAppDefinition

Service: QApps

The definition of an Amazon Q App generated based on input such as a conversation or problem statement.

Contents

appDefinition

The definition specifying the cards and flow of the generated Q App.

Type: AppDefinitionInput object

Required: Yes

title

The title of the generated Q App definition.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

description

The description of the generated Q App definition.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

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

PredictQAppInputOptions

Service: QApps

The input options for generating an Q App definition.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

conversation

A conversation to use as input for generating the Q App definition.

Type: Array of ConversationMessage objects

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Required: No

problemStatement

A problem statement to use as input for generating the Q App definition.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

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

PrincipalOutput

Service: QApps

The principal for which the permission applies.

Contents

email

The email address associated with the user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

userId

The unique identifier of the user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

userType

The type of the user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Valid Values: `owner | user`

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

QAppSessionData

Service: QApps

The response collected for a Amazon Q App session. This container represents a single response to a Q App session.

Contents

cardId

The card Id associated with the response submitted for a Q App session.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

user

The user who submitted the response for a Q App session.

Type: User object

Required: Yes

submissionId

The unique identifier of the submission.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

timestamp

The date and time when the session data is submitted.

Type: Timestamp

Required: No

value

The response submitted for a Q App session.

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

QPluginCard

Service: QApps

A card in an Q App that integrates with a third-party plugin or service.

Contents

dependencies

Any dependencies or requirements for the plugin card.

Type: Array of strings

Required: Yes

id

The unique identifier of the plugin card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

pluginId

The unique identifier of the plugin used by the card.

Type: String

Required: Yes

pluginType

The type or category of the plugin used by the card.

Type: String

Valid Values: `SERVICE_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM | ASANA | ATLASSIAN_CONFLUENCE | GOOGLE_CALENDAR | JIRA_CLOUD | MICROSOFT_EXCHANGE | MICROSOFT_TEAMS | PAGERDUTY_ADVANCE | SALESFORCE_CRM | SERVICENOW_NOW_PLATFORM | SMARTSHEET | ZENDESK_SUITE`

Required: Yes

prompt

The prompt or instructions displayed for the plugin card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50000.

Required: Yes

title

The title or label of the plugin card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

actionIdentifier

The action identifier of the action to be performed by the plugin card.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QPluginCardInput

Service: QApps

The input shape for defining a plugin card in an Amazon Q App.

Contents

id

The unique identifier of the plugin card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

pluginId

The unique identifier of the plugin used by the card.

Type: String

Length Constraints: Fixed length of 36.

Required: Yes

prompt

The prompt or instructions displayed for the plugin card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50000.

Required: Yes

title

The title or label of the plugin card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

actionIdentifier

The action identifier of the action to be performed by the plugin card.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QQueryCard

Service: QApps

A card in a Amazon Q App that generates a response based on the Amazon Q Business service.

Contents

dependencies

Any dependencies or requirements for the query card.

Type: Array of strings

Required: Yes

id

The unique identifier of the query card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

outputSource

The source or type of output generated by the query card.

Type: String

Valid Values: `approved-sources | llm`

Required: Yes

prompt

The prompt or instructions displayed for the query card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50000.

Required: Yes

title

The title or label of the query card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

attributeFilter

The Amazon Q Business filters applied in this query card when resolving data sources

Type: AttributeFilter object

Required: No

memoryReferences

Any dependencies for the query card, where the dependencies are references to the collected responses.

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

QQueryCardInput

Service: QApps

The input shape for defining a query card in an Amazon Q App.

Contents

id

The unique identifier of the query card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

prompt

The prompt or instructions displayed for the query card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50000.

Required: Yes

title

The title or label of the query card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

attributeFilter

Turns on filtering of responses based on document attributes or metadata fields.

Type: AttributeFilter object

Required: No

outputSource

The source or type of output to generate for the query card.

Type: String

Valid Values: `approved-sources | llm`

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

SessionSharingConfiguration

Service: QApps

The sharing configuration of an Amazon Q App data collection session.

Contents

enabled

Indicates whether an Q App session is shareable with other users.

Type: Boolean

Required: Yes

acceptResponses

Indicates whether an Q App session can accept responses from users.

Type: Boolean

Required: No

revealCards

Indicates whether collected responses for an Q App session are revealed for all users.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Submission

Service: QApps

A record created when a user submits a form card.

Contents

submissionId

The unique identifier of the submission.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

timestamp

The date and time when the card is submitted.

Type: Timestamp

Required: No

value

The data submitted by the user.

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

SubmissionMutation

Service: QApps

Represents an action performed on a submission.

Contents

mutationType

The operation that is performed on a submission.

Type: String

Valid Values: `edit | delete | add`

Required: Yes

submissionId

The unique identifier of the submission.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

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

TextInputCard

Service: QApps

A card in an Amazon Q App that allows the user to input text.

Contents

dependencies

Any dependencies or requirements for the text input card.

Type: Array of strings

Required: Yes

id

The unique identifier of the text input card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

title

The title or label of the text input card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

defaultValue

The default value to pre-populate in the text input field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

placeholder

The placeholder text to display in the text input field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

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

TextInputCardInput

Service: QApps

The input shape for defining a text input card in an Amazon Q App.

Contents

id

The unique identifier of the text input card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

title

The title or label of the text input card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

type

The type of the card.

Type: String

Valid Values: `text-input | q-query | file-upload | q-plugin | form-input`

Required: Yes

defaultValue

The default value to pre-populate in the text input field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

placeholder

The placeholder text to display in the text input field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

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

User

Service: QApps

A user of an Amazon Q App.

Contents

userId

The unique identifier of a user.

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

UserAppItem

Service: QApps

An Amazon Q App associated with a user, either owned by the user or favorited.

Contents

appArn

The Amazon Resource Name (ARN) of the Q App.

Type: String

Required: Yes

appId

The unique identifier of the Q App.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-[45][\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

createdAt

The date and time the user's association with the Q App was created.

Type: Timestamp

Required: Yes

title

The title of the Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: `[^{}\\"<>]+`

Required: Yes

canEdit

A flag indicating whether the user can edit the Q App.

Type: Boolean

Required: No

description

The description of the Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

isVerified

Indicates whether the Q App has been verified.

Type: Boolean

Required: No

status

The status of the user's association with the Q App.

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

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400