aws

API Reference

# Amazon Q Business

**API Version 2023-11-27**

# Amazon Q Business: API Reference

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# Welcome

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*

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# Actions

The following actions are supported:

- BatchDeleteDocument
- BatchPutDocument
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# BatchDeleteDocument

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

# BatchPutDocument

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",
          "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.

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

# Chat

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": {
            "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 groups 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
               }
            ],
            "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": {
          "error": {
             "errorCode": "string",
             "errorMessage": "string"
          },
          "name": "string",
          "status": "string"
       },
       "conversationId": "string",
       "systemMessageId": "string",
       "userMessageId": "string"
    },
    "metadataEvent": {
       "conversationId": "string",
       "finalTextMessage": "string",
       "sourceAttributions": [
          {
             "citationNumber": number,
             "snippet": "string",
             "textMessageSegments": [
                {
                   "beginOffset": number,
                   "endOffset": number,
                   "snippetExcerpt": {
                      "text": "string"
                   }
                }
             ],
             "title": "string",
             "updatedAt": number,
             "url": "string"
          }
       ],
       "systemMessageId": "string",
       "userMessageId": "string"
    },
    "textEvent": {
       "conversationId": "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.

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

# ChatSync

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": [
      {
         "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 groups 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 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

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

Length Constraints: Minimum length of 1. Maximum length of 7000.

Required: No

# Response Syntax

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

{
   "actionReview": {
      "payload": {
         "string" : {
            "allowedFormat": "string",
```

```
            "allowedValues": [
                {
                    "displayValue": JSON value,
                    "value": 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": [
    {
        "error": {
            "errorCode": "string",
            "errorMessage": "string"
        },
        "name": "string",
        "status": "string"
    }
],
"sourceAttributions": [
    {
        "citationNumber": number,
        "snippet": "string",
        "textMessageSegments": [
            {
                "beginOffset": number,
                "endOffset": number,
                "snippetExcerpt": {
                    "text": "string"
                }
            }
        }
```

```
            ],
            "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 inconsistences 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 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 PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# CreateApplication

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.

## Request Syntax

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

{
   "attachmentsConfiguration": {
      "attachmentsControlMode": "string"
   },
   "clientToken": "string",
   "description": "string",
   "displayName": "string",
   "encryptionConfiguration": {
      "kmsKeyId": "string"
   },
   "identityCenterInstanceArn": "string",
   "qAppsConfiguration": {
      "qAppsControlMode": "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

**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: `^\P{C}*$`

    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

## 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

## qAppsConfiguration

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

Type: QAppsConfiguration object

Required: No

## roleArn

The Amazon Resource Name (ARN) of an IAM role with permissions to access your 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

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

# CreateDataSource

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"
            }
        },
        "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 to your data source repository. For configuration templates for your specific data source, see Supported connectors.

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: `^\P{C}*$`

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

## 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

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: ^\P{C}*$

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

- [AWS SDK for Ruby V3](#)

# CreateIndex

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: ^\P{C}*$

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

- [AWS SDK for Ruby V3](#)

# CreatePlugin

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`

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 inconsistences 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](Support) for help.

HTTP Status Code: 500

**ResourceNotFoundException**

The 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 PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# CreateRetriever

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

# CreateUser

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

# CreateWebExperience

Creates an Amazon Q Business web experience.

## Request Syntax

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

{
   "clientToken": "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.

## 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

## 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}:[^/].{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: `^\P{C}*$`

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: ^\P{C}*$
>
> 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 inconsistences 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 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 PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# DeleteApplication

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 inconsistences 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 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 PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# DeleteChatControlsConfiguration

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 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 PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# DeleteConversation

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

# DeleteDataSource

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

# DeleteGroup

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

# DeleteIndex

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

# DeletePlugin

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

# DeleteRetriever

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

# DeleteUser

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

# DeleteWebExperience

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

# GetApplication

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"
   },
   "createdAt": number,
   "description": "string",
   "displayName": "string",
   "encryptionConfiguration": {
```

```
        "kmsKeyId": "string"
    },
    "error": {
        "errorCode": "string",
        "errorMessage": "string"
    },
    "identityCenterApplicationArn": "string",
    "qAppsConfiguration": {
        "qAppsControlMode": "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

## 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: ^\P{C}*$

## 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

## 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}$`

## qAppsConfiguration

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

Type: QAppsConfiguration 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 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 PHP V3

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# GetChatControlsConfiguration

Gets information about an 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"
   },
   "nextToken": "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

## 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.

## 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 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 PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# GetDataSource

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",
   "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: `^\P{C}*$`

## 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}$`

**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: `^\P{C}*$`

**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 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 PHP V3

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

# GetGroup

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

# GetIndex

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: ^\P{C}*$

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

# GetPlugin

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`

## 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 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 PHP V3
- AWS SDK for Python

- [AWS SDK for Ruby V3](#)

# GetRetriever

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

# GetUser

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

# GetWebExperience

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": { ... },
   "createdAt": number,
   "defaultEndpoint": "string",
   "error": {
      "errorCode": "string",
      "errorMessage": "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.

## createdAt

The Unix timestamp when the Amazon Q Business web experience was last created.

Type: Timestamp

## 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

## 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: `^\P{C}*$`

## title

The title for your Amazon Q Business web experience.

Type: String

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

Pattern: `^\P{C}*$`

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

# ListApplications

Lists Amazon Q Business applications.

## 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",
            "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 PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

# ListConversations

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

# ListDataSources

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 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 PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# ListDataSourceSyncJobs

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

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

# ListDocuments

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

# ListGroups

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

# ListIndices

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

# ListMessages

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 retrievers 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
                     }
                  ],
                  "displayDescription": "string",
                  "displayName": "string",
                  "displayOrder": number,
                  "required": boolean,
```

```
                "type": "string",
                "value": JSON value
             }
          },
          "payloadFieldNameSeparator": "string",
          "pluginId": "string",
          "pluginType": "string"
       },
       "attachments": [
          {
             "error": {
                "errorCode": "string",
                "errorMessage": "string"
             },
             "name": "string",
             "status": "string"
          }
       ],
       "body": "string",
       "messageId": "string",
       "sourceAttribution": [
          {
             "citationNumber": number,
             "snippet": "string",
             "textMessageSegments": [
                {
                   "beginOffset": number,
                   "endOffset": number,
                   "snippetExcerpt": {
                      "text": "string"
                   }
                }
             ],
             "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 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 PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListPlugins

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 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 PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# ListRetrievers

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

# ListTagsForResource

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

# ListWebExperiences

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

# PutFeedback

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

# PutGroup

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.

## 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"
            }
        ]
    },
    "groupName": "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".

If you have more than 1000 users and/or sub groups for a single group, you need to provide the path to the S3 file that lists your users and sub groups for a group. Your sub groups can contain more than 1000 users, but the list of sub groups that belong to a group (and/or users) must be no more than 1000.

Type: String

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

Pattern: `^\P{C}*$`

Required: Yes

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

# StartDataSourceSyncJob

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 inconsistences 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 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 PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# StopDataSourceSyncJob

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

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

# TagResource

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

# UntagResource

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

# UpdateApplication

Updates an existing Amazon Q Business application.

## Request Syntax

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

{
    "attachmentsConfiguration": {
        "attachmentsControlMode": "string"
    },
    "description": "string",
    "displayName": "string",
    "identityCenterInstanceArn": "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

## description

A description for the Amazon Q Business application.

Type: String

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

Pattern: ^\P{C}*$

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

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

# UpdateChatControlsConfiguration

Updates an 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"
   },
   "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

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

# UpdateDataSource

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"
      }
    },
    "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: `^\P{C}*$`

   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

## 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: `^\P{C}*$`

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

# UpdateIndex

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: `^\P{C}*$`

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

# UpdatePlugin

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

- [AWS SDK for Ruby V3](#)

# UpdateRetriever

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

# UpdateUser

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

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

# UpdateWebExperience

Updates an Amazon Q Business web experience.

## Request Syntax

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

{
    "authenticationConfiguration": { ... },
    "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

**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: ^\P{C}*$

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: ^\P{C}*$

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

# Data Types

The QBusiness API contains several data types that various actions use. This section describes each data type in detail.

> ⓘ **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AccessConfiguration
- AccessControl
- ActionExecution
- ActionExecutionEvent
- ActionExecutionPayloadField
- ActionReview
- ActionReviewEvent
- ActionReviewPayloadField
- ActionReviewPayloadFieldAllowedValue
- APISchema
- Application
- AppliedAttachmentsConfiguration
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- PrincipalUser

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- [Retriever](#)
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- [SourceAttribution](#)
- [StringAttributeBoostingConfiguration](#)
- [StringListAttributeBoostingConfiguration](#)
- [Tag](#)
- [TextDocumentStatistics](#)
- [TextInputEvent](#)
- [TextOutputEvent](#)
- [TextSegment](#)
- [TopicConfiguration](#)
- [UserAlias](#)
- [UsersAndGroups](#)
- [ValidationExceptionField](#)
- [WebExperience](#)
- [WebExperienceAuthConfiguration](#)

# AccessConfiguration

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

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](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](#)

# ActionExecution

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

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

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](#)

# 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.

## 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`

Required: No

## See Also

For more information about using this API in 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

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`

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

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](ActionReviewPayloadFieldAllowedValue) objects

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

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](#)

# APISchema

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

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

**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

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

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](#)

# AttachmentInput

A file directly uploaded into a web experience chat.

## Contents

**data**

The data contained within the uploaded file.

Type: Base64-encoded binary data object

Required: Yes

**name**

The name of the file.

Type: String

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

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](#)

# AttachmentInputEvent

A file input event activated by a end user request to upload files into their web experience chat.

## Contents

**attachment**

A file directly uploaded into 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

The details of a file uploaded during chat.

## Contents

**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 | SUCCEEDED`

Required: No

## See Also

For more information about using this API in 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

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

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](#)

# AuthChallengeRequest

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

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

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

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](#)

# BasicAuthConfiguration

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

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.

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 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

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

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

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

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

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](#)

# ChatInputStream

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

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

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](#)

# ConfigurationEvent

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

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

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

# Conversation

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](#)

# CreatorModeConfiguration

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](#)

# CustomPluginConfiguration

Configuration information required to create a custom plugin.

## Contents

**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: Yes

**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

## See Also

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

- AWS SDK for C++

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

- [AWS SDK for Ruby V3](#)

# DataSource

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

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

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

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 C++)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# DateAttributeBoostingConfiguration

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 how much a document attribute is boosted.

Type: String

Valid Values: `NONE | LOW | MEDIUM | HIGH | VERY_HIGH`

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

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

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

**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](#)

# DocumentAttribute

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

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.

> **ⓘ 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.

Type: [DateAttributeBoostingConfiguration](#) object

Required: No

**numberConfiguration**

Provides information on boosting NUMBER type document attributes.

Type: [NumberAttributeBoostingConfiguration](#) object

Required: No

**stringConfiguration**

Provides information on boosting `STRING` type document attributes.

Type: StringAttributeBoostingConfiguration object

Required: No

**stringListConfiguration**

Provides information on boosting `STRING_LIST` type document attributes.

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

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

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

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

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

The contents of a document.

## 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

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

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

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

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

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

Provides information about a data source sync error.

## Contents

**errorCode**

The code associated with the data source sync error.

Type: String

Valid Values: `InternalError` | `InvalidRequest` | `ResourceInactive` | `ResourceNotFound`

Required: No

**errorMessage**

The message explaining the data source sync error.

Type: String

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

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](#)

# FailedAttachmentEvent

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

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

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

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

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

Array Members: Minimum number of 1 item. Maximum number of 1000 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

# GroupStatusDetail

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

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](#)

# HookConfiguration

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 a role with permission to run a Lambda function during ingestion. For more information, see [IAM roles for Custom Document Enrichment (CDE)](#).

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](#)

# Index

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

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

Provides information about the number of documents in an index.

## Contents

**textDocumentStatistics**

The number of documents indexed.

Type: [TextDocumentStatistics](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 C++)
- [AWS SDK for Java V2](AWS SDK for Java V2)
- [AWS SDK for Ruby V3](AWS SDK for Ruby V3)

# InlineDocumentEnrichmentConfiguration

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

# KendraIndexConfiguration

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](#)

# MemberGroup

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

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

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

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

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

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

## See Also

For more information about using this API in 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

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

Provides information on boosting NUMBER 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 duration, in seconds, of a boost applies to a NUMBER type document attribute.

Type: String

Valid Values: `NONE | LOW | MEDIUM | HIGH | VERY_HIGH`

Required: Yes

**boostingType**

Specifies how much a document attribute is boosted.

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

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}:[^/].{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}:[^/].{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](#)

# Plugin

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`

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

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

**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

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]()

# Principal

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

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

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

Configuration information about Amazon Q Apps. (preview feature)

## 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](#)

# Retriever

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

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](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](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 C++)
- [AWS SDK for Java V2](AWS SDK for Java V2)
- [AWS SDK for Ruby V3](AWS SDK for Ruby V3)

# Rule

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](UsersAndGroups) object

Required: No

**includedUsersAndGroups**

Users and groups to be included in a rule.

Type: [UsersAndGroups](UsersAndGroups) object

Required: No

**ruleConfiguration**

The configuration information for a rule.

Type: [RuleConfiguration](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

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

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

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](#)

# SnippetExcerpt

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

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

**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](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](#)

# StringAttributeBoostingConfiguration

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 how much a document attribute is boosted.

Type: String

Valid Values: `NONE | LOW | MEDIUM | HIGH | VERY_HIGH`

Required: Yes

**attributeValueBoosting**

Specifies specific values of a `STRING` type document attribute being boosted.

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`

Required: No

# See Also

For more information about using this API in 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

Provides information on boosting `STRING_LIST` 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 how much a document attribute is boosted.

Type: String

Valid Values: `NONE | LOW | MEDIUM | HIGH | VERY_HIGH`

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](#)

# Tag

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

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

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

Length Constraints: Minimum length of 1. Maximum length of 7000.

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

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

**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

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

**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

## See Also

For more information about using this API in 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

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

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

Provides information about users and groups associated with a topic control rule.

## Contents

**userGroups**

The user groups 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

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](#)

# WebExperience

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

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

# 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