



API Reference

# Amazon Q Business



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# Amazon Q Business: API Reference

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# Welcome

## QBusiness

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

For an overview of the Amazon Q Business APIs, see [Overview of Amazon Q Business API operations](#).

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

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

- [Setting up for Amazon Q Business](#)
- [Amazon Q Business CLI Reference](#)
- [AWS General Reference](#)

## QApps

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

For an overview of the Amazon Q App APIs, see [Overview of Amazon Q Apps API operations](#).

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

# Actions

The following actions are supported by QBusiness:

- [BatchDeleteDocument](#)
- [BatchPutDocument](#)
- [Chat](#)
- [ChatSync](#)
- [CreateApplication](#)
- [CreateDataSource](#)
- [CreateIndex](#)
- [CreatePlugin](#)
- [CreateRetriever](#)
- [CreateUser](#)
- [CreateWebExperience](#)
- [DeleteApplication](#)
- [DeleteChatControlsConfiguration](#)
- [DeleteConversation](#)
- [DeleteDataSource](#)
- [DeleteGroup](#)
- [DeleteIndex](#)
- [DeletePlugin](#)
- [DeleteRetriever](#)
- [DeleteUser](#)
- [DeleteWebExperience](#)
- [GetApplication](#)
- [GetChatControlsConfiguration](#)
- [GetDataSource](#)
- [GetGroup](#)
- [GetIndex](#)
- [GetPlugin](#)

- [GetRetriever](#)
- [GetUser](#)
- [GetWebExperience](#)
- [ListApplications](#)
- [ListConversations](#)
- [ListDataSources](#)
- [ListDataSourceSyncJobs](#)
- [ListDocuments](#)
- [ListGroups](#)
- [ListIndices](#)
- [ListMessages](#)
- [ListPlugins](#)
- [ListRetrievers](#)
- [ListTagsForResource](#)
- [ListWebExperiences](#)
- [PutFeedback](#)
- [PutGroup](#)
- [StartDataSourceSyncJob](#)
- [StopDataSourceSyncJob](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateApplication](#)
- [UpdateChatControlsConfiguration](#)
- [UpdateDataSource](#)
- [UpdateIndex](#)
- [UpdatePlugin](#)
- [UpdateRetriever](#)
- [UpdateUser](#)
- [UpdateWebExperience](#)

The following actions are supported by QApps:

- [AssociateLibraryItemReview](#)
- [AssociateQAppWithUser](#)
- [CreateLibraryItem](#)
- [CreateQApp](#)
- [DeleteLibraryItem](#)
- [DeleteQApp](#)
- [DisassociateLibraryItemReview](#)
- [DisassociateQAppFromUser](#)
- [GetLibraryItem](#)
- [GetQApp](#)
- [GetQAppSession](#)
- [ImportDocument](#)
- [ListLibraryItems](#)
- [ListQApps](#)
- [ListTagsForResource](#)
- [PredictQApp](#)
- [StartQAppSession](#)
- [StopQAppSession](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateLibraryItem](#)
- [UpdateQApp](#)
- [UpdateQAppSession](#)

## QBusiness

The following actions are supported by QBusiness:

- [BatchDeleteDocument](#)
- [BatchPutDocument](#)
- [Chat](#)

- [ChatSync](#)
- [CreateApplication](#)
- [CreateDataSource](#)
- [CreateIndex](#)
- [CreatePlugin](#)
- [CreateRetriever](#)
- [CreateUser](#)
- [CreateWebExperience](#)
- [DeleteApplication](#)
- [DeleteChatControlsConfiguration](#)
- [DeleteConversation](#)
- [DeleteDataSource](#)
- [DeleteGroup](#)
- [DeleteIndex](#)
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- [DeleteRetriever](#)
- [DeleteUser](#)
- [DeleteWebExperience](#)
- [GetApplication](#)
- [GetChatControlsConfiguration](#)
- [GetDataSource](#)
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- [GetIndex](#)
- [GetPlugin](#)
- [GetRetriever](#)
- [GetUser](#)
- [GetWebExperience](#)
- [ListApplications](#)
- [ListConversations](#)
- [ListDataSources](#)

- [ListDataSourceSyncJobs](#)
- [ListDocuments](#)
- [ListGroups](#)
- [ListIndices](#)
- [ListMessages](#)
- [ListPlugins](#)
- [ListRetrievers](#)
- [ListTagsForResource](#)
- [ListWebExperiences](#)
- [PutFeedback](#)
- [PutGroup](#)
- [StartDataSourceSyncJob](#)
- [StopDataSourceSyncJob](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateApplication](#)
- [UpdateChatControlsConfiguration](#)
- [UpdateDataSource](#)
- [UpdateIndex](#)
- [UpdatePlugin](#)
- [UpdateRetriever](#)
- [UpdateUser](#)
- [UpdateWebExperience](#)



# BatchDeleteDocument

Service: QBusiness

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

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

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### dataSourceSyncId

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

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

### documents

Documents deleted from the Amazon Q Business index.

Type: Array of [DeleteDocument](#) objects

Required: Yes

## Response Syntax

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

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

```
}  
]  
}
```

## Response Elements

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

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

### failedDocuments

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

Type: Array of [FailedDocument](#) objects

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

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

You use this API to:

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

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

## Request Syntax

```
POST /applications/applicationId/indices/indexId/documents HTTP/1.1
```

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

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

```

    "content": { ... },
    "contentType": "string",
    "documentEnrichmentConfiguration": {
      "inlineConfigurations": [
        {
          "condition": {
            "key": "string",
            "operator": "string",
            "value": { ... }
          },
          "documentContentOperator": "string",
          "target": {
            "attributeValueOperator": "string",
            "key": "string",
            "value": { ... }
          }
        }
      ],
      "postExtractionHookConfiguration": {
        "invocationCondition": {
          "key": "string",
          "operator": "string",
          "value": { ... }
        },
        "lambdaArn": "string",
        "roleArn": "string",
        "s3BucketName": "string"
      },
      "preExtractionHookConfiguration": {
        "invocationCondition": {
          "key": "string",
          "operator": "string",
          "value": { ... }
        },
        "lambdaArn": "string",
        "roleArn": "string",
        "s3BucketName": "string"
      }
    },
    "id": "string",
    "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 inconsistencies with your resources and try again.

HTTP Status Code: 409

### **InternalServerError**

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

Service: QBusiness

Starts or continues a streaming Amazon Q Business conversation.

## Request Syntax

```
POST /applications/applicationId/conversations?
```

```
clientToken=clientToken&conversationId=conversationId&parentMessageId=parentMessageId&userGroup
```

```
HTTP/1.1
```

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

```
{
  "actionExecutionEvent": {
    "payload": {
      "string" : {
        "value": JSON value
      }
    },
    "payloadFieldNameSeparator": "string",
    "pluginId": "string"
  },
  "attachmentEvent": {
    "attachment": {
      "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 inconsistencies with your resources and try again.

HTTP Status Code: 409

## **InternalServerErrorException**

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

Service: QBusiness

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

## Request Syntax

```
POST /applications/applicationId/conversations?sync&userGroups=userGroups&userId=userId
```

HTTP/1.1

Content-type: application/json

```
{
  "actionExecution": {
    "payload": {
      "string": {
        "value": JSON value
      }
    },
    "payloadFieldNameSeparator": "string",
    "pluginId": "string"
  },
  "attachments": [
    {
      "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",  
"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.

### actionReview

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

Type: [ActionReview](#) object

### authChallengeRequest

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

Type: [AuthChallengeRequest](#) object

### conversationId

The identifier of the Amazon Q Business conversation.

Type: String

Length Constraints: Fixed length of 36.

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

### failedAttachments

A list of files which failed to upload during chat.

Type: Array of [AttachmentOutput](#) objects

## sourceAttributions

The source documents used to generate the conversation response.

Type: Array of [SourceAttribution](#) objects

## systemMessage

An AI-generated message in a conversation.

Type: String

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

## systemMessageId

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

Type: String

Length Constraints: Fixed length of 36.

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

## userMessageId

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

Type: String

Length Constraints: Fixed length of 36.

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

## **ConflictException**

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

HTTP Status Code: 409

## **InternalServerErrorException**

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

Service: QBusiness

Creates an Amazon Q Business application.

## Note

There are new tiers for Amazon Q Business. Not all features in Amazon Q Business Pro are also available in Amazon Q Business Lite. For information on what's included in Amazon Q Business Lite and what's included in Amazon Q Business Pro, see [Amazon Q Business tiers](#). You must use the Amazon Q Business console to assign subscription tiers to users.

## 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",
  "personalizationConfiguration": {
    "personalizationControlMode": "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

### personalizationConfiguration

Configuration information about chat response personalization. For more information, see [Personalizing chat responses](#)

Type: [PersonalizationConfiguration](#) object

Required: No

### qAppsConfiguration

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

Type: [QAppsConfiguration](#) object

Required: No



## [roleArn](#)

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 inconsistencies with your resources and try again.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The 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

Service: QBusiness

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

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

## Request Syntax

```
POST /applications/applicationId/indices/indexId/datasources HTTP/1.1
```

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

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

```

    },
    "preExtractionHookConfiguration": {
      "invocationCondition": {
        "key": "string",
        "operator": "string",
        "value": { ... }
      },
      "lambdaArn": "string",
      "roleArn": "string",
      "s3BucketName": "string"
    }
  },
  "roleArn": "string",
  "syncSchedule": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "vpcConfiguration": {
    "securityGroupIds": [ "string" ],
    "subnetIds": [ "string" ]
  }
}

```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

Type: String

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

Required: No

### configuration

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

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

- [Amazon S3 JSON schema](#)
- [Web Crawler JSON schema](#)

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

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

Type: JSON value

Required: Yes

## description

A description for the data source connector.

Type: String

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

Pattern: `^\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 inconsistencies with your resources and try again.

HTTP Status Code: 409

### **InternalServerErrorException**

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

Service: QBusiness

Creates an Amazon Q Business index.

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

Once the index is active, you can index your documents using the [BatchPutDocument](#) API or the [CreateDataSource](#) API.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### [applicationId](#)

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### capacityConfiguration

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

Type: [IndexCapacityConfiguration](#) object

Required: No

### clientToken

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

Type: String

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

Required: No

### description

A description for the Amazon Q Business index.

Type: String

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

Pattern: `^\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 inconsistencies with your resources and try again.

HTTP Status Code: 409

### **InternalServerErrorException**

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

Service: QBusiness

Creates an Amazon Q Business plugin.

## Request Syntax

```
POST /applications/applicationId/plugins HTTP/1.1
```

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

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application that will contain the plugin.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### authConfiguration

Authentication configuration information for an Amazon Q Business plugin.

Type: [PluginAuthConfiguration](#) object

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

Required: Yes

### clientToken

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

Type: String

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

Required: No

### customPluginConfiguration

Contains configuration for a custom plugin.

Type: [CustomPluginConfiguration](#) object

Required: No

### displayName

A the name for your plugin.

Type: String

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

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

Required: Yes

### serverUrl

The source URL used for plugin configuration.

Type: String

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

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

Required: No

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

### type

The type of plugin you want to create.

Type: String

Valid Values: `SERVICE_NOW` | `SALESFORCE` | `JIRA` | `ZENDESK` | `CUSTOM`

Required: Yes

## Response Syntax

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

{
  "buildStatus": "string",
  "pluginArn": "string",
  "pluginId": "string"
}
```

## Response Elements

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

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

### **buildStatus**

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

Type: String

Valid Values: READY | CREATE\_IN\_PROGRESS | CREATE\_FAILED |  
UPDATE\_IN\_PROGRESS | UPDATE\_FAILED | DELETE\_IN\_PROGRESS | DELETE\_FAILED

### **pluginArn**

The Amazon Resource Name (ARN) of a plugin.

Type: String

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

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

### **pluginId**

The identifier of the plugin created.

Type: String

Length Constraints: Fixed length of 36.

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

## **Errors**

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

### **AccessDeniedException**

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

HTTP Status Code: 403

## **ConflictException**

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

HTTP Status Code: 409

## **InternalServerErrorException**

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](#)



# CreateRetriever

Service: QBusiness

Adds a retriever to your Amazon Q Business application.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of your Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## clientToken

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

Type: String

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

Required: No

## configuration

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

Type: [RetrieverConfiguration](#) object

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

Required: Yes

## displayName

The name of your retriever.

Type: String

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

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

Required: Yes

## roleArn

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

Type: String

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

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

Required: No

## tags

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

Type: Array of [Tag](#) objects

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

Required: No

## type

The type of retriever you are using.

Type: String

Valid Values: NATIVE\_INDEX | KENDRA\_INDEX

Required: Yes

## Response Syntax

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

{
  "retrieverArn": "string",
  "retrieverId": "string"
}
```

## Response Elements

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

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

### retrieverArn

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

Type: String

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

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

### **retrieverId**

The identifier of the retriever you are using.

Type: String

Length Constraints: Fixed length of 36.

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

## **Errors**

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

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

HTTP Status Code: 409

### **InternalServerError**

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

Service: QBusiness

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

## Request Syntax

```
POST /applications/applicationId/users HTTP/1.1
```

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

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

Type: String

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

Required: No

### userAliases

The list of user aliases in the mapping.

Type: Array of [UserAlias](#) objects

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

Required: No

### userId

The user emails attached to a user mapping.

Type: String

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

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

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

HTTP Status Code: 403

## **ConflictException**

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

HTTP Status Code: 409

## **InternalServerErrorException**

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

Service: QBusiness

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.

### **Note**

You must provide this value if you're using IAM Identity Center to manage end user access to your application. If you're using legacy identity management to manage user access, you don't need to provide this value.

Type: String

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

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

Required: No

## samplePromptsControlMode

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

Type: String

Valid Values: ENABLED | DISABLED

Required: No

## subtitle

A subtitle to personalize your Amazon Q Business web experience.

Type: String

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

Pattern: `^\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 inconsistencies with your resources and try again.

HTTP Status Code: 409

## **InternalServerError**

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

Service: QBusiness

Deletes an Amazon Q Business application.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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



## AccessDeniedException

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

HTTP Status Code: 403

## ConflictException

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

HTTP Status Code: 409

## InternalServerError

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

Service: QBusiness

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [applicationId](#)

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## AccessDeniedException

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

HTTP Status Code: 403

## InternalServerErrorException

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

Service: QBusiness

Deletes an Amazon Q Business web experience conversation.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### conversationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### userId

The identifier of the user who is deleting the conversation.

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

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

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### InternalServerError

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](#)



# DeleteDataSource

Service: QBusiness

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### dataSourceId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

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

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### dataSourceId

The identifier of the data source linked to the group

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

Length Constraints: Fixed length of 36.

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

### groupName

The name of the group you want to delete.

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

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

Required: Yes

### indexId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### **ConflictException**

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

HTTP Status Code: 409

### **InternalServerErrorException**

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

Service: QBusiness

Deletes an Amazon Q Business index.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

The identifier of the Amazon Q Business index.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```



## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Deletes an Amazon Q Business plugin.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### pluginId

The identifier of the plugin being deleted.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Deletes the retriever used by an Amazon Q Business application.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### retrieverId

The identifier of the retriever being deleted.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Deletes a user by email id.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### userId

The user email being deleted.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

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

HTTP Status Code: 409

### **InternalServerErrorException**

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

Service: QBusiness

Deletes an Amazon Q Business web experience.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### webExperienceId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Gets information about an existing Amazon Q Business application.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "applicationArn": "string",
  "applicationId": "string",
  "attachmentsConfiguration": {
    "attachmentsControlMode": "string"
  },
  "createdAt": number,
  "description": "string",
```

```
"displayName": "string",
"encryptionConfiguration": {
  "kmsKeyId": "string"
},
"error": {
  "errorCode": "string",
  "errorMessage": "string"
},
"identityCenterApplicationArn": "string",
"personalizationConfiguration": {
  "personalizationControlMode": "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 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}$`

## personalizationConfiguration

Configuration information about chat response personalization. For more information, see [Personalizing chat responses](#).

Type: [PersonalizationConfiguration](#) object

## qAppsConfiguration

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

Type: [QAppsConfiguration](#) object

## 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

### **InternalServerError**

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

Service: QBusiness

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 respond 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

## InternalServerErrorException

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

Service: QBusiness

Gets information about an existing Amazon Q Business data source connector.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

### dataSourceId

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

The 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

```
{
  "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

### **InternalServerErrorException**

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

Service: QBusiness

Describes a group by group name.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application id the group is attached to.

Length Constraints: Fixed length of 36.

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

Required: Yes

### dataSourceId

The identifier of the data source the group is attached to.

Length Constraints: Fixed length of 36.

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

### groupName

The name of the group.

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

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

Required: Yes

### indexId

The identifier of the index the group is attached to.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "status": {
    "errorDetail": {
      "errorCode": "string",
      "errorMessage": "string"
    },
    "lastUpdatedAt": number,
    "status": "string"
  },
  "statusHistory": [
    {
      "errorDetail": {
        "errorCode": "string",
        "errorMessage": "string"
      },
      "lastUpdatedAt": number,
      "status": "string"
    }
  ]
}
```

## Response Elements

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

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

## status

The current status of the group.

Type: [GroupStatusDetail](#) object

## statusHistory

The status history of the group.

Type: Array of [GroupStatusDetail](#) objects

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Gets information about an existing Amazon Q Business index.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application connected to the index.

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

The identifier of the Amazon Q Business index you want information on.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "applicationId": "string",
  "capacityConfiguration": {
    "units": number
  },
  "createdAt": number,
  "description": "string",
  "displayName": "string",
  "documentAttributeConfigurations": [
    {
      "name": "string",
      "search": "string",
      "type": "string"
    }
  ],
  "error": {
    "errorCode": "string",
    "errorMessage": "string"
  },
  "indexArn": "string",
  "indexId": "string",
  "indexStatistics": {
    "textDocumentStatistics": {
      "indexedTextBytes": number,
      "indexedTextDocumentCount": number
    }
  },
  "status": "string",
  "type": "string",
  "updatedAt": number
}
```

## Response Elements

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

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

### applicationId

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

Type: String

Length Constraints: Fixed length of 36.

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

### capacityConfiguration

The storage capacity units chosen for your Amazon Q Business index.

Type: [IndexCapacityConfiguration](#) object

### createdAt

The Unix timestamp when the Amazon Q Business index was created.

Type: Timestamp

### description

The description for the Amazon Q Business index.

Type: String

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

Pattern: `^\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

### **InternalServerError**

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

Service: QBusiness

Gets information about an existing Amazon Q Business plugin.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application which contains the plugin.

Length Constraints: Fixed length of 36.

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

Required: Yes

### pluginId

The identifier of the plugin.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "applicationId": "string",
  "authConfiguration": { ... },
  "buildStatus": "string",
  "createdAt": number,
  "customPluginConfiguration": {
    "apiSchema": { ... },
    "apiSchemaType": "string",
    "description": "string"
  },
  "displayName": "string",
  "pluginArn": "string",
  "pluginId": "string",
  "serverUrl": "string",
  "state": "string",
  "type": "string",
  "updatedAt": number
}
```

## Response Elements

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

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

### applicationId

The identifier of the application which contains the plugin.

Type: String

Length Constraints: Fixed length of 36.

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

### authConfiguration

Authentication configuration information for an Amazon Q Business plugin.

Type: [PluginAuthConfiguration](#) object

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

## **buildStatus**

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

Type: String

Valid Values: READY | CREATE\_IN\_PROGRESS | CREATE\_FAILED |  
UPDATE\_IN\_PROGRESS | UPDATE\_FAILED | DELETE\_IN\_PROGRESS | DELETE\_FAILED

## **createdAt**

The timestamp for when the plugin was created.

Type: Timestamp

## **customPluginConfiguration**

Configuration information required to create a custom plugin.

Type: [CustomPluginConfiguration](#) object

## **displayName**

The name of the plugin.

Type: String

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

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

## **pluginArn**

The Amazon Resource Name (ARN) of the role with permission to access resources needed to create the plugin.

Type: String

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

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

## **pluginId**

The identifier of the plugin.

Type: String

Length Constraints: Fixed length of 36.

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

### serverUrl

The source URL used for plugin configuration.

Type: String

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

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

### state

The current state of the plugin.

Type: String

Valid Values: ENABLED | DISABLED

### type

The type of the plugin.

Type: String

Valid Values: SERVICE\_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM

### 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

### **InternalServerErrorException**

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

Service: QBusiness

Gets information about an existing retriever used by an Amazon Q Business application.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### retrieverId

The identifier of the retriever.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "applicationId": "string",
  "configuration": { ... },
  "createdAt": number,
  "displayName": "string",
  "retrieverArn": "string",
  "retrieverId": "string",
  "roleArn": "string",
  "status": "string",
  "type": "string",
  "updatedAt": number
}
```

## Response Elements

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

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

### applicationId

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

Type: String

Length Constraints: Fixed length of 36.

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

### configuration

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

Type: [RetrieverConfiguration](#) object

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

### createdAt

The Unix timestamp when the retriever was created.

Type: Timestamp

## displayName

The name of the retriever.

Type: String

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

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

## retrieverArn

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

Type: String

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

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

## retrieverId

The identifier of the retriever.

Type: String

Length Constraints: Fixed length of 36.

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

## roleArn

The Amazon Resource Name (ARN) of the role with the permission to access the retriever and required resources.

Type: String

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

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

## status

The status of the retriever.

Type: String

Valid Values: CREATING | ACTIVE | FAILED

### type

The type of the retriever.

Type: String

Valid Values: NATIVE\_INDEX | KENDRA\_INDEX

### updatedAt

The Unix timestamp when the retriever was last updated.

Type: Timestamp

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerError**

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

Service: QBusiness

Describes the universally unique identifier (UUID) associated with a local user in a data source.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application connected to the user.

Length Constraints: Fixed length of 36.

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

Required: Yes

### userId

The user email address attached to the user.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
```

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

## Response Elements

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

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

### userAliases

A list of user aliases attached to a user.

Type: Array of [UserAlias](#) objects

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

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

HTTP Status Code: 409

### **InternalServerException**

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



HTTP Status Code: 500

### **ResourceNotFoundException**

The 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

Service: QBusiness

Gets information about an existing Amazon Q Business web experience.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [applicationId](#)

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### [webExperienceId](#)

The identifier of the Amazon Q Business web experience.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "applicationId": "string",
  "authenticationConfiguration": { ... },
  "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

### **InternalServerError**

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

Service: QBusiness

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

### **InternalServerErrorException**

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

Service: QBusiness

Lists one or more Amazon Q Business conversations.

## Request Syntax

```
GET /applications/applicationId/conversations?
maxResults=maxResults&nextToken=nextToken&userId=userId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of Amazon Q Business conversations to return.

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

### nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business conversations.

Length Constraints: Minimum length of 1. Maximum length of 800.

### userId

The identifier of the user involved in the Amazon Q Business web experience conversation.

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

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

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "conversations": [
    {
      "conversationId": "string",
      "startTime": number,
      "title": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### conversations

An array of summary information on the configuration of one or more Amazon Q Business web experiences.

Type: Array of [Conversation](#) objects

### nextToken

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of messages.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### InternalServerError

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

Service: QBusiness

Lists the Amazon Q Business data source connectors that you have created.

## Request Syntax

```
GET /applications/applicationId/indices/indexId/datasources?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application linked to the data source connectors.

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

The identifier of the index used with one or more data source connectors.

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of data source connectors to return.

Valid Range: Minimum value of 1. Maximum value of 10.

### nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business data source connectors.

Length Constraints: Minimum length of 1. Maximum length of 800.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "dataSources": [
    {
      "createdAt": number,
      "dataSourceId": "string",
      "displayName": "string",
      "status": "string",
      "type": "string",
      "updatedAt": number
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### dataSources

An array of summary information for one or more data source connector.

Type: Array of [DataSource](#) objects

### nextToken

If the response is truncated, Amazon Q Business returns this token. You can use this token in a subsequent request to retrieve the next set of data source connectors.

Type: String



Length Constraints: Minimum length of 1. Maximum length of 800.

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerErrorException**

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

Service: QBusiness

Get information about an Amazon Q Business data source connector synchronization.

## Request Syntax

```
GET /applications/applicationId/indices/indexId/datasources/dataSourceId/syncjobs?  
endTime=endTime&maxResults=maxResults&nextToken=nextToken&startTime=startTime&syncStatus=status  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application connected to the data source.

Length Constraints: Fixed length of 36.

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

Required: Yes

### dataSourceId

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

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

Required: Yes

### endTime

The end time of the data source connector sync.

### indexId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of synchronization jobs to return in the response.

Valid Range: Minimum value of 1. Maximum value of 10.

### nextToken

If the `maxResults` response was 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 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

## InternalServerErrorException

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

Service: QBusiness

A list of documents attached to an index.

## Request Syntax

```
GET /applications/applicationId/index/indexId/documents?  
dataSourceIds=dataSourceIds&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application id the documents are attached to.

Length Constraints: Fixed length of 36.

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

Required: Yes

### dataSourceIds

The identifier of the data sources the documents are attached to.

Array Members: Fixed number of 1 item.

Length Constraints: Fixed length of 36.

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

### indexId

The identifier of the index the documents are attached to.

Length Constraints: Fixed length of 36.

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

Required: Yes



## maxResults

The maximum number of documents to return.

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

## nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of documents.

Length Constraints: Minimum length of 1. Maximum length of 800.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "documentDetailList": [
    {
      "createdAt": number,
      "documentId": "string",
      "error": {
        "errorCode": "string",
        "errorMessage": "string"
      },
      "status": "string",
      "updatedAt": number
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### **documentDetailList**

A list of document details.

Type: Array of [DocumentDetails](#) objects

### **nextToken**

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of documents.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

## **Errors**

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerErrorException**

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

Service: QBusiness

Provides a list of groups that are mapped to users.

## Request Syntax

```
GET /applications/applicationId/indices/indexId/groups?
dataSourceId=dataSourceId&maxResults=maxResults&nextToken=nextToken&updatedEarlierThan=updatedEarlierThan
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application for getting a list of groups mapped to users.

Length Constraints: Fixed length of 36.

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

Required: Yes

### dataSourceId

The identifier of the data source for getting a list of groups mapped to users.

Length Constraints: Fixed length of 36.

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

### indexId

The identifier of the index for getting a list of groups mapped to users.

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of returned groups that are mapped to users.

Valid Range: Minimum value of 1. Maximum value of 10.

### nextToken

If the previous response was incomplete (because there is more data to retrieve), Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of groups that are mapped to users.

Length Constraints: Minimum length of 1. Maximum length of 800.

### updatedEarlierThan

The timestamp identifier used for the latest PUT or DELETE action for mapping users to their groups.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "items": [
    {
      "groupName": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### items

Summary information for list of groups that are mapped to users.

Type: Array of [GroupSummary](#) objects

### nextToken

If the response is truncated, Amazon Q Business returns this token that you can use in the subsequent request to retrieve the next set of groups that are mapped to users.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

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

HTTP Status Code: 409

### **InternalServerErrorException**

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

Service: QBusiness

Lists the Amazon Q Business indices you have created.

## Request Syntax

```
GET /applications/applicationId/indices?maxResults=maxResults&nextToken=nextToken
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application connected to the index.

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of indices to return.

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

### nextToken

If the maxResults response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business indices.

Length Constraints: Minimum length of 1. Maximum length of 800.

## Request Body

The request does not have a request body.



## Response Syntax

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

{
  "indices": [
    {
      "createdAt": number,
      "displayName": "string",
      "indexId": "string",
      "status": "string",
      "updatedAt": number
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### indices

An array of information on the items in one or more indexes.

Type: Array of [Index](#) objects

### nextToken

If the response is truncated, Amazon Q Business returns this token that you can use in the subsequent request to retrieve the next set of indexes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

## Errors

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

## AccessDeniedException

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

HTTP Status Code: 403

## InternalServerErrorException

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

Service: QBusiness

Gets a list of messages associated with an Amazon Q Business web experience.

## Request Syntax

```
GET /applications/applicationId/conversations/conversationId?  
maxResults=maxResults&nextToken=nextToken&userId=userId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier for the Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

### conversationId

The identifier of the Amazon Q Business web experience conversation.

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of messages to return.

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

### nextToken

If the number of 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

### **InternalServerErrorException**

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

Service: QBusiness

Lists configured Amazon Q Business plugins.

## Request Syntax

```
GET /applications/applicationId/plugins?maxResults=maxResults&nextToken=nextToken
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application the plugin is attached to.

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of documents to return.

Valid Range: Minimum value of 1. Maximum value of 50.

### nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of plugins.

Length Constraints: Minimum length of 1. Maximum length of 800.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "plugins": [
    {
      "buildStatus": "string",
      "createdAt": number,
      "displayName": "string",
      "pluginId": "string",
      "serverUrl": "string",
      "state": "string",
      "type": "string",
      "updatedAt": number
    }
  ]
}
```

## Response Elements

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

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

### nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of plugins.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

### plugins

Information about a configured plugin.

Type: Array of [Plugin](#) objects

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerErrorException**

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

Service: QBusiness

Lists the retriever used by an Amazon Q Business application.

## Request Syntax

```
GET /applications/applicationId/retrievers?maxResults=maxResults&nextToken=nextToken  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of retrievers returned.

Valid Range: Minimum value of 1. Maximum value of 50.

### nextToken

If the number of retrievers returned exceeds `maxResults`, Amazon Q Business returns a next token as a pagination token to retrieve the next set of retrievers.

Length Constraints: Minimum length of 1. Maximum length of 800.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "retrievers": [
    {
      "applicationId": "string",
      "displayName": "string",
      "retrieverId": "string",
      "status": "string",
      "type": "string"
    }
  ]
}
```

## Response Elements

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

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

### [nextToken](#)

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of retrievers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

### [retrievers](#)

An array of summary information for one or more retrievers.

Type: Array of [Retriever](#) objects

## Errors

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

## AccessDeniedException

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

HTTP Status Code: 403

## InternalServerErrorException

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

Service: QBusiness

Gets a list of tags associated with a specified resource. Amazon Q Business applications and data sources can have tags associated with them.

## Request Syntax

```
GET /v1/tags/resourceARN HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceARN

The Amazon Resource Name (ARN) of the Amazon Q Business application or data source to get a list of tags for.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

## Response Elements

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

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

### tags

A list of tags associated with the Amazon Q Business application or data source.

Type: Array of [Tag](#) objects

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

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerErrorException**

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

Service: QBusiness

Lists one or more Amazon Q Business Web Experiences.

## Request Syntax

```
GET /applications/applicationId/experiences?maxResults=maxResults&nextToken=nextToken
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

### maxResults

The maximum number of Amazon Q Business Web Experiences to return.

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

### nextToken

If the `maxResults` response was incomplete because there is more data to retrieve, Amazon Q Business returns a pagination token in the response. You can use this pagination token to retrieve the next set of Amazon Q Business conversations.

Length Constraints: Minimum length of 1. Maximum length of 800.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "webExperiences": [
    {
      "createdAt": number,
      "defaultEndpoint": "string",
      "status": "string",
      "updatedAt": number,
      "webExperienceId": "string"
    }
  ]
}
```

## Response Elements

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

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

### [nextToken](#)

If the response is truncated, Amazon Q Business returns this token, which you can use in a later request to list the next set of messages.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

### [webExperiences](#)

An array of summary information for one or more Amazon Q Business experiences.

Type: Array of [WebExperience](#) objects

## Errors

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

## AccessDeniedException

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

HTTP Status Code: 403

## InternalServerErrorException

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

Service: QBusiness

Enables your end user to provide feedback on their Amazon Q Business generated chat responses.

## Request Syntax

```
POST /applications/applicationId/conversations/conversationId/messages/messageId/
feedback?userId=userId HTTP/1.1
Content-type: application/json

{
  "messageCopiedAt": number,
  "messageUsefulness": {
    "comment": "string",
    "reason": "string",
    "submittedAt": number,
    "usefulness": "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application associated with the feedback.

Length Constraints: Fixed length of 36.

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

Required: Yes

### conversationId

The identifier of the conversation the feedback is attached to.

Length Constraints: Fixed length of 36.

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



Required: Yes

### messageId

The identifier of the chat message that the feedback was given for.

Length Constraints: Fixed length of 36.

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

Required: Yes

### userId

The identifier of the user giving the feedback.

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

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

## Request Body

The request accepts the following data in JSON format.

### messageCopiedAt

The timestamp for when the feedback was recorded.

Type: Timestamp

Required: No

### messageUsefulness

The feedback usefulness value given by the user to the chat message.

Type: [MessageUsefulnessFeedback](#) object

Required: No

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### InternalServerErrorException

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

Service: QBusiness

Create, or updates, a mapping of users—who have access to a document—to groups.

You can also map sub groups to groups. For example, the group "Company Intellectual Property Teams" includes sub groups "Research" and "Engineering". These sub groups include their own list of users or people who work in these teams. Only users who work in research and engineering, and therefore belong in the intellectual property group, can see top-secret company documents in their Amazon Q Business chat results.

## 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".

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 inconsistencies with your resources and try again.

HTTP Status Code: 409

### **InternalServerErrorException**

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

Service: QBusiness

Starts a data source connector synchronization job. If a synchronization job is already in progress, Amazon Q Business returns a `ConflictException`.

## Request Syntax

```
POST /applications/applicationId/indices/indexId/datasources/dataSourceId/startsync
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [applicationId](#)

The identifier of Amazon Q Business application the data source is connected to.

Length Constraints: Fixed length of 36.

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

Required: Yes

### [dataSourceId](#)

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

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

Required: Yes

### [indexId](#)

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "executionId": "string"
}
```

## Response Elements

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

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

### executionId

The identifier for a particular synchronization job.

Type: String

Length Constraints: Fixed length of 36.

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

## **ConflictException**

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

HTTP Status Code: 409

## **InternalServerError**

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

Service: QBusiness

Stops an Amazon Q Business data source connector synchronization job already in progress.

## Request Syntax

```
POST /applications/applicationId/indices/indexId/datasources/dataSourceId/stopsync
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application that the data source is connected to.

Length Constraints: Fixed length of 36.

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

Required: Yes

### dataSourceId

The identifier of the data source connector.

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

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

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### InternalServerError

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

Service: QBusiness

Adds the specified tag to the specified Amazon Q Business application or data source resource. If the tag already exists, the existing value is replaced with the new value.

## Request Syntax

```
POST /v1/tags/resourceARN HTTP/1.1
Content-type: application/json
```

```
{
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceARN

The Amazon Resource Name (ARN) of the Amazon Q Business application or data source to tag.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

A list of tag keys to add to the Amazon Q Business application or data source. If a tag already exists, the existing value is replaced with the new value.

Type: Array of [Tag](#) objects



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

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Removes a tag from an Amazon Q Business application or a data source.

## Request Syntax

```
DELETE /v1/tags/resourceARN?tagKeys=tagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceARN

The Amazon Resource Name (ARN) of the Amazon Q Business application, or data source to remove the tag from.

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

Required: Yes

### tagKeys

A list of tag keys to remove from the Amazon Q Business application or data source. If a tag key does not exist on the resource, it is ignored.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### InternalServerErrorException

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](#)

# UpdateApplication

Service: QBusiness

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",
  "personalizationConfiguration": {
    "personalizationControlMode": "string"
  },
  "qAppsConfiguration": {
    "qAppsControlMode": "string"
  },
  "roleArn": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### attachmentsConfiguration

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

Type: [AttachmentsConfiguration](#) object

Required: No

### 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

### personalizationConfiguration

Configuration information about chat response personalization. For more information, see [Personalizing chat responses](#).

Type: [PersonalizationConfiguration](#) object

Required: No

### qAppsConfiguration

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

Type: [QAppsConfiguration](#) object

Required: No

### roleArn

An AWS Identity and Access Management (IAM) role that gives Amazon Q Business permission to access Amazon CloudWatch logs and metrics.

Type: String

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

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

Required: No

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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



## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

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

HTTP Status Code: 409

### **InternalServerErrorException**

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

Service: QBusiness

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 respond to end user questions in chat.

Type: String

Valid Values: ENTERPRISE\_CONTENT\_ONLY | EXTENDED\_KNOWLEDGE\_ENABLED

Required: No

### [topicConfigurationsToCreateOrUpdate](#)

The configured topic specific chat controls you want to update.

Type: Array of [TopicConfiguration](#) objects

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

Required: No

## topicConfigurationsToDelete

The configured topic specific chat controls you want to delete.

Type: Array of [TopicConfiguration](#) objects

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

Required: No

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Updates an existing Amazon Q Business data source connector.

## Request Syntax

PUT /applications/*applicationId*/indices/*indexId*/datasources/*dataSourceId* HTTP/1.1  
Content-type: application/json

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

```
    "operator": "string",
    "value": { ... }
  },
  "lambdaArn": "string",
  "roleArn": "string",
  "s3BucketName": "string"
}
},
"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 inconsistencies with your resources and try again.

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Updates an Amazon Q Business index.

## Request Syntax

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

Content-type: application/json

```
{
  "capacityConfiguration": {
    "units": number
  },
  "description": "string",
  "displayName": "string",
  "documentAttributeConfigurations": [
    {
      "name": "string",
      "search": "string",
      "type": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the Amazon Q Business application connected to the index.

Length Constraints: Fixed length of 36.

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

Required: Yes

### indexId

The identifier of the Amazon Q Business index.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### capacityConfiguration

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

Type: [IndexCapacityConfiguration](#) object

Required: No

### description

The description of the Amazon Q Business index.

Type: String

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

Pattern: `^\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 inconsistencies with your resources and try again.

HTTP Status Code: 409

### **InternalServerError**

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

Service: QBusiness

Updates an Amazon Q Business plugin.

## Request Syntax

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

```
{
  "authConfiguration": { ... },
  "customPluginConfiguration": {
    "apiSchema": { ... },
    "apiSchemaType": "string",
    "description": "string"
  },
  "displayName": "string",
  "serverUrl": "string",
  "state": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application the plugin is attached to.

Length Constraints: Fixed length of 36.

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

Required: Yes

### pluginId

The identifier of the plugin.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### authConfiguration

The authentication configuration the plugin is using.

Type: [PluginAuthConfiguration](#) object

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

Required: No

### customPluginConfiguration

The configuration for a custom plugin.

Type: [CustomPluginConfiguration](#) object

Required: No

### displayName

The name of the plugin.

Type: String

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

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

Required: No

### serverUrl

The source URL used for plugin configuration.

Type: String

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

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

Required: No

### state

The status of the plugin.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

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

HTTP Status Code: 409

### InternalServerError

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

Service: QBusiness

Updates the retriever used for your Amazon Q Business application.

## Request Syntax

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

```
{
  "configuration": { ... },
  "displayName": "string",
  "roleArn": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of your Amazon Q Business application.

Length Constraints: Fixed length of 36.

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

Required: Yes

### retrieverId

The identifier of your retriever.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## configuration

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

Type: [RetrieverConfiguration](#) object

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

Required: No

## displayName

The name of your retriever.

Type: String

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

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

Required: No

## roleArn

The Amazon Resource Name (ARN) of an IAM role with permission to access the retriever and required resources.

Type: String

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

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

Required: No

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

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

HTTP Status Code: 409

### **InternalServerErrorException**

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

Service: QBusiness

Updates a information associated with a user id.

## Request Syntax

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

```
{
  "userAliasesToDelete": [
    {
      "dataSourceId": "string",
      "indexId": "string",
      "userId": "string"
    }
  ],
  "userAliasesToUpdate": [
    {
      "dataSourceId": "string",
      "indexId": "string",
      "userId": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### applicationId

The identifier of the application the user is attached to.

Length Constraints: Fixed length of 36.

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

Required: Yes

### userId

The email id attached to the user.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### userAliasesToDelete

The user aliases attached to the user id that are to be deleted.

Type: Array of [UserAlias](#) objects

Required: No

### userAliasesToUpdate

The user aliases attached to the user id that are to be updated.

Type: Array of [UserAlias](#) objects

Required: No

## Response Syntax

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

{
  "userAliasesAdded": [
    {
      "dataSourceId": "string",
      "indexId": "string",
      "userId": "string"
    }
  ],
  "userAliasesDeleted": [
    {
      "dataSourceId": "string",
      "indexId": "string",
      "userId": "string"
    }
  ]
}
```

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

## Response Elements

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

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

### userAliasesAdded

The user aliases that have been to be added to a user id.

Type: Array of [UserAlias](#) objects

### userAliasesDeleted

The user aliases that have been deleted from a user id.

Type: Array of [UserAlias](#) objects

### userAliasesUpdated

The user aliases attached to a user id that have been updated.

Type: Array of [UserAlias](#) objects

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### **InternalServerErrorException**

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

Service: QBusiness

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 inconsistencies with your resources and try again.

HTTP Status Code: 409

### **InternalServerErrorException**

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](#)

## QApps

The following actions are supported by QApps:

- [AssociateLibraryItemReview](#)
- [AssociateQAppWithUser](#)
- [CreateLibraryItem](#)
- [CreateQApp](#)
- [DeleteLibraryItem](#)
- [DeleteQApp](#)
- [DisassociateLibraryItemReview](#)
- [DisassociateQAppFromUser](#)
- [GetLibraryItem](#)
- [GetQApp](#)
- [GetQAppSession](#)
- [ImportDocument](#)
- [ListLibraryItems](#)
- [ListQApps](#)
- [ListTagsForResource](#)
- [PredictQApp](#)
- [StartQAppSession](#)
- [StopQAppSession](#)
- [TagResource](#)
- [UntagResource](#)

- [UpdateLibraryItem](#)
- [UpdateQApp](#)
- [UpdateQAppSession](#)

# AssociateLibraryItemReview

Service: QApps

Associates a rating or review for a library item with the user submitting the request. This increments the rating count for the specified library item.

## Request Syntax

```
POST /catalog.associateItemRating HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "libraryItemId": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier for the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### libraryItemId

The unique identifier of the library item to associate the review with.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes



## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

## UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# AssociateQAppWithUser

Service: QApps

This operation creates a link between the user's identity calling the operation and a specific Q App. This is useful to mark the Q App as a *favorite* for the user if the user doesn't own the Amazon Q App so they can still run it and see it in their inventory of Q Apps.

## Request Syntax

```
POST /apps.install HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "appId": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### appId

The ID of the Amazon Q App to associate with the user.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

## UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# CreateLibraryItem

Service: QApps

Creates a new library item for an Amazon Q App, allowing it to be discovered and used by other allowed users.

## Request Syntax

```
POST /catalog.createItem HTTP/1.1
```

```
instance-id: instanceId
```

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

```
{
  "appId": "string",
  "appVersion": number,
  "categories": [ "string" ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### appId

The unique identifier of the Amazon Q App to publish to the library.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## appVersion

The version of the Amazon Q App to publish to the library.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

## categories

The categories to associate with the library item for easier discovery.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

Required: Yes

## Response Syntax

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

```
{
  "createdAt": "string",
  "createdBy": "string",
  "libraryItemId": "string",
  "ratingCount": number,
  "status": "string",
  "updatedAt": "string",
  "updatedBy": "string"
}
```

## Response Elements

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

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

### createdAt

The date and time the library item was created.

Type: Timestamp

### createdBy

The user who created the library item.

Type: String

### libraryItemId

The unique identifier of the new library item.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

### ratingCount

The number of ratings the library item has received from users.

Type: Integer

### status

The status of the new library item, such as "Published".

Type: String

### updatedAt

The date and time the library item was last updated.

Type: Timestamp

### updatedBy

The user who last updated the library item.

Type: String

## Errors

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



## **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

## **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

## **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

## **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

## **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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

# CreateQApp

Service: QApps

Creates a new Amazon Q App based on the provided definition. The Q App definition specifies the cards and flow of the Q App. This operation also calculates the dependencies between the cards by inspecting the references in the prompts.

## Request Syntax

```
POST /apps.create HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "appDefinition": {
    "cards": [
      { ... }
    ],
    "initialPrompt": "string"
  },
  "description": "string",
  "tags": {
    "string" : "string"
  },
  "title": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## appDefinition

The definition of the new Q App, specifying the cards and flow.

Type: [AppDefinitionInput](#) object

Required: Yes

## description

The description of the new Q App.

Type: String

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

Required: No

## tags

Optional tags to associate with the new Q App.

Type: String to string map

Required: No

## title

The title of the new Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

## Response Syntax

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

{
  "appArn": "string",
  "appId": "string",
```

```
"appVersion": number,
"createdAt": "string",
"createdBy": "string",
"description": "string",
"initialPrompt": "string",
"requiredCapabilities": [ "string" ],
"status": "string",
"title": "string",
"updatedAt": "string",
"updatedBy": "string"
}
```

## Response Elements

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

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

### appArn

The Amazon Resource Name (ARN) of the new Q App.

Type: String

### appId

The unique identifier of the new Q App.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

### appVersion

The version of the new Q App.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

### createdAt

The date and time the Q App was created.

Type: Timestamp

### createdBy

The user who created the Q App.

Type: String

### description

The description of the new Q App.

Type: String

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

### initialPrompt

The initial prompt displayed when the Q App is started.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

### requiredCapabilities

The capabilities required to run the Q App, such as file upload or third-party integrations.

Type: Array of strings

Valid Values: FileUpload | CreatorMode | RetrievalMode | PluginMode

### status

The status of the new Q App, such as "Created".

Type: String

Valid Values: PUBLISHED | DRAFT | DELETED

### title

The title of the new Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

### **updatedAt**

The date and time the Q App was last updated.

Type: Timestamp

### **updatedBy**

The user who last updated the Q App.

Type: String

## **Errors**

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **ConflictException**

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

### **ContentTooLargeException**

The requested operation could not be completed because the content exceeds the maximum allowed size.

HTTP Status Code: 413

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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



# DeleteLibraryItem

Service: QApps

Deletes a library item for an Amazon Q App, removing it from the library so it can no longer be discovered or used by other users.

## Request Syntax

```
POST /catalog.deleteItem HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "libraryItemId": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### libraryItemId

The unique identifier of the library item to delete.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

## UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# DeleteQApp

Service: QApps

Deletes an Amazon Q App owned by the user. If the Q App was previously published to the library, it is also removed from the library.

## Request Syntax

```
POST /apps.delete HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "appId": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### appId

The unique identifier of the Q App to delete.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

## HTTP Status Code: 400

### See Also

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

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

# DisassociateLibraryItemReview

Service: QApps

Removes a rating or review previously submitted by the user for a library item.

## Request Syntax

```
POST /catalog.disassociateItemRating HTTP/1.1
```

```
instance-id: instanceId
```

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

```
{  
  "libraryItemId": "string"  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### libraryItemId

The unique identifier of the library item to remove the review from.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429



## UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# DisassociateQAppFromUser

Service: QApps

Disassociates a Q App from a user removing the user's access to run the Q App.

## Request Syntax

```
POST /apps.uninstall HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "appId": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### appId

The unique identifier of the Q App to disassociate from the user.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

## HTTP Status Code: 400

### See Also

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

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

# GetLibraryItem

Service: QApps

Retrieves details about a library item for an Amazon Q App, including its metadata, categories, ratings, and usage statistics.

## Request Syntax

```
GET /catalog.getItem?appId=appId&libraryItemId=libraryItemId HTTP/1.1
instance-id: instanceId
```

## URI Request Parameters

The request uses the following URI parameters.

### appId

The unique identifier of the Amazon Q App associated with the library item.

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

### libraryItemId

The unique identifier of the library item to retrieve.

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "appId": "string",
  "appVersion": number,
  "categories": [
    {
      "id": "string",
      "title": "string"
    }
  ],
  "createdAt": "string",
  "createdBy": "string",
  "isRatedByUser": boolean,
  "libraryItemId": "string",
  "ratingCount": number,
  "status": "string",
  "updatedAt": "string",
  "updatedBy": "string",
  "userCount": number
}
```

## Response Elements

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

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

### appId

The unique identifier of the Q App associated with the library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

### appVersion

The version of the Q App associated with the library item.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

## categories

The categories associated with the library item for discovery.

Type: Array of [Category](#) objects

Array Members: Minimum number of 0 items. Maximum number of 3 items.

## createdAt

The date and time the library item was created.

Type: Timestamp

## createdBy

The user who created the library item.

Type: String

## isRatedByUser

Whether the current user has rated the library item.

Type: Boolean

## libraryItemId

The unique identifier of the library item.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

## ratingCount

The number of ratings the library item has received from users.

Type: Integer

## status

The status of the library item, such as "Published".

Type: String

## updatedAt

The date and time the library item was last updated.

Type: Timestamp

### updatedBy

The user who last updated the library item.

Type: String

### userCount

The number of users who have associated the Q App with their account.

Type: Integer

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.



HTTP Status Code: 401

## **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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

# GetQApp

Service: QApps

Retrieves the full details of an Q App, including its definition specifying the cards and flow.

## Request Syntax

```
GET /apps.get?appId=appId HTTP/1.1
instance-id: instanceId
```

## URI Request Parameters

The request uses the following URI parameters.

### appId

The unique identifier of the Q App to retrieve.

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "appArn": "string",
  "appDefinition": {
    "appDefinitionVersion": "string",
    "canEdit": boolean,
```

```
    "cards": [
      { ... }
    ],
    "appId": "string",
    "appVersion": number,
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "initialPrompt": "string",
    "requiredCapabilities": [ "string" ],
    "status": "string",
    "title": "string",
    "updatedAt": "string",
    "updatedBy": "string"
  }
```

## Response Elements

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

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

### appArn

The Amazon Resource Name (ARN) of the Q App.

Type: String

### appDefinition

The full definition of the Q App, specifying the cards and flow.

Type: [AppDefinition](#) object

### appId

The unique identifier of the Q App.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

### appVersion

The version of the Q App.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

### createdAt

The date and time the Q App was created.

Type: Timestamp

### createdBy

The user who created the Q App.

Type: String

### description

The description of the Q App.

Type: String

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

### initialPrompt

The initial prompt displayed when the Q App is started.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

### requiredCapabilities

The capabilities required to run the Q App, such as file upload or third-party integrations.

Type: Array of strings

Valid Values: FileUpload | CreatorMode | RetrievalMode | PluginMode

### status

The status of the Q App.

Type: String

Valid Values: PUBLISHED | DRAFT | DELETED

## title

The title of the Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

## updatedAt

The date and time the Q App was last updated.

Type: Timestamp

## updatedBy

The user who last updated the Q App.

Type: String

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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

# GetQAppSession

Service: QApps

Retrieves the current state and results for an active session of an Amazon Q App.

## Request Syntax

```
GET /runtime.getQAppSession?sessionId=sessionId HTTP/1.1
instance-id: instanceId
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

### sessionId

The unique identifier of the Q App session to retrieve.

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "cardStatus": {
    "string" : {
```

```
    "currentState": "string",
    "currentValue": "string"
  },
  "sessionArn": "string",
  "sessionId": "string",
  "status": "string"
}
```

## Response Elements

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

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

### cardStatus

The current status for each card in the Q App session.

Type: String to [CardStatus](#) object map

Key Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

### sessionArn

The Amazon Resource Name (ARN) of the Q App session.

Type: String

### sessionId

The unique identifier of the Q App session.

Type: String

### status

The current status of the Q App session.

Type: String

Valid Values: IN\_PROGRESS | WAITING | COMPLETED



## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# ImportDocument

Service: QApps

Uploads a file that can then be used either as a default in a FileUploadCard from Q App definition or as a file that is used inside a single Q App run. The purpose of the document is determined by a scope parameter that indicates whether it is at the app definition level or at the app session level.

## Request Syntax

```
POST /apps.importDocument HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "appId": "string",
  "cardId": "string",
  "fileContentsBase64": "string",
  "fileName": "string",
  "scope": "string",
  "sessionId": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### appId

The unique identifier of the Q App the file is associated with.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

Required: Yes

### cardId

The unique identifier of the card the file is associated with, if applicable.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

Required: Yes

### fileContentsBase64

The base64-encoded contents of the file to upload.

Type: String

Required: Yes

### fileName

The name of the file being uploaded.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### scope

Whether the file is associated with an Q App definition or a specific Q App session.

Type: String

Valid Values: APPLICATION | SESSION

Required: Yes

### sessionId

The unique identifier of the Q App session the file is associated with, if applicable.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

## Response Syntax

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

{
  "fileId": "string"
}
```

## Response Elements

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

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

### fileId

The unique identifier assigned to the uploaded file.

Type: String

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **ContentTooLargeException**

The requested operation could not be completed because the content exceeds the maximum allowed size.

HTTP Status Code: 413

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

- [AWS Command Line Interface](#)

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

# ListLibraryItems

Service: QApps

Lists the library items for Amazon Q Apps that are published and available for users in your AWS account.

## Request Syntax

```
GET /catalog.list?categoryId=categoryId&limit=limit&nextToken=nextToken HTTP/1.1
instance-id: instanceId
```

## URI Request Parameters

The request uses the following URI parameters.

### categoryId

Optional category to filter the library items by.

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

### limit

The maximum number of library items to return in the response.

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

### nextToken

The token to request the next page of results.

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

## Request Body

The request does not have a request body.



## Response Syntax

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

{
  "libraryItems": [
    {
      "appId": "string",
      "appVersion": number,
      "categories": [
        {
          "id": "string",
          "title": "string"
        }
      ],
      "createdAt": "string",
      "createdBy": "string",
      "isRatedByUser": boolean,
      "libraryItemId": "string",
      "ratingCount": number,
      "status": "string",
      "updatedAt": "string",
      "updatedBy": "string",
      "userCount": number
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### libraryItems

The list of library items meeting the request criteria.

Type: Array of [LibraryItemMember](#) objects

## **nextToken**

The token to use to request the next page of results.

Type: String

## **Errors**

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# ListQApps

Service: QApps

Lists the Amazon Q Apps owned by or associated with the user either because they created it or because they used it from the library in the past. The user identity is extracted from the credentials used to invoke this operation..

## Request Syntax

```
GET /apps.list?limit=limit&nextToken=nextToken HTTP/1.1
instance-id: instanceId
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

### limit

The maximum number of Q Apps to return in the response.

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

### nextToken

The token to request the next page of results.

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

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "apps": [
    {
      "appArn": "string",
      "appId": "string",
      "canEdit": boolean,
      "createdAt": "string",
      "description": "string",
      "status": "string",
      "title": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### apps

The list of Amazon Q Apps meeting the request criteria.

Type: Array of [UserApplItem](#) objects

### nextToken

The token to use to request the next page of results.

Type: String

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

## InternalServerErrorException

An internal service error occurred while processing the request.

HTTP Status Code: 500

## ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

## UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# ListTagsForResource

Service: QApps

Lists the tags associated with an Amazon Q Apps resource.

## Request Syntax

```
GET /tags/resourceARN HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceARN

The Amazon Resource Name (ARN) of the resource whose tags should be listed.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

## tags

The list of tags that are assigned to the resource.

Type: String to string map

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

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **ValidationException**

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

HTTP Status Code: 400



## See Also

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

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

# PredictQApp

Service: QApps

Generates an Amazon Q App definition based on either a conversation or a problem statement provided as input. The resulting app definition can be used to call `CreateQApp`. This API doesn't create Amazon Q Apps directly.

## Request Syntax

```
POST /apps.predictQApp HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "options": { ... }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### options

The input to generate the Q App definition from, either a conversation or problem statement.

Type: [PredictQAppInputOptions](#) object

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

Required: No

## Response Syntax

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

{
  "app": {
    "appDefinition": {
      "cards": [
        { ... }
      ],
      "initialPrompt": "string"
    },
    "description": "string",
    "title": "string"
  },
  "problemStatement": "string"
}
```

## Response Elements

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

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

### app

The generated Q App definition.

Type: [PredictAppDefinition](#) object

### problemStatement

The problem statement extracted from the input conversation, if provided.

Type: String

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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



# StartQAppSession

Service: QApps

Starts a new session for an Amazon Q App, allowing inputs to be provided and the app to be run.

## Note

Each Q App session will be condensed into a single conversation in the web experience.

## Request Syntax

```
POST /runtime.startQAppSession HTTP/1.1
```

```
instance-id: instanceId
```

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

```
{
  "appId": "string",
  "appVersion": number,
  "initialValues": [
    {
      "cardId": "string",
      "value": "string"
    }
  ],
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### [appId](#)

The unique identifier of the Q App to start a session for.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### [appVersion](#)

The version of the Q App to use for the session.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

### [initialValues](#)

Optional initial input values to provide for the Q App session.

Type: Array of [CardValue](#) objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

### [tags](#)

Optional tags to associate with the new Q App session.

Type: String to string map

Required: No

## Response Syntax

```
HTTP/1.1 200
```

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

```
{  
  "sessionArn": "string",  
  "sessionId": "string"  
}
```

## Response Elements

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

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

### [sessionArn](#)

The Amazon Resource Name (ARN) of the new Q App session.

Type: String

### [sessionId](#)

The unique identifier of the new Q App session.

Type: String

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.



HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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

- [AWS SDK for Ruby V3](#)

# StopQAppSession

Service: QApps

Stops an active session for an Amazon Q App. This deletes all data related to the session and makes it invalid for future uses. The results of the session will be persisted as part of the conversation.

## Request Syntax

```
POST /runtime.deleteMiniAppRun HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "sessionId": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### sessionId

The unique identifier of the Q App session to stop.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

## UnauthorizedException

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# TagResource

Service: QApps

Associates tags with an Amazon Q Apps resource.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceARN

The Amazon Resource Name (ARN) of the resource to tag.

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

The tags to associate with the resource.

Type: String to string map

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

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

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### ConflictException

The requested operation could not be completed due to a conflict with the current state of the resource.

HTTP Status Code: 409

### InternalServerError

An internal service error occurred while processing the request.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

### ThrottlingException

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

## **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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



# UntagResource

Service: QApps

Disassociates tags from an Amazon Q Apps resource.

## Request Syntax

```
DELETE /tags/resourceARN?tagKeys=tagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceARN

The Amazon Resource Name (ARN) of the resource to disassociate the tag from.

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

Required: Yes

### tagKeys

The keys of the tags to disassociate from the resource.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

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

# UpdateLibraryItem

Service: QApps

Updates the metadata and status of a library item for an Amazon Q App.

## Request Syntax

```
POST /catalog.updateItem HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "categories": [ "string" ],
  "libraryItemId": "string",
  "status": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### categories

The new categories to associate with the library item.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

## libraryItemId

The unique identifier of the library item to update.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

## status

The new status to set for the library item, such as "Published" or "Hidden".

Type: String

Valid Values: PUBLISHED | DISABLED

Required: No

## Response Syntax

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

```
{
  "appId": "string",
  "appVersion": number,
  "categories": [
    {
      "id": "string",
      "title": "string"
    }
  ],
  "createdAt": "string",
  "createdBy": "string",
  "isRatedByUser": boolean,
  "libraryItemId": "string",
  "ratingCount": number,
  "status": "string",
  "updatedAt": "string",
  "updatedBy": "string",
  "userCount": number
}
```

```
}
```

## Response Elements

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

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

### [appId](#)

The unique identifier of the Q App associated with the library item.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

### [appVersion](#)

The version of the Q App associated with the library item.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

### [categories](#)

The categories associated with the updated library item.

Type: Array of [Category](#) objects

Array Members: Minimum number of 0 items. Maximum number of 3 items.

### [createdAt](#)

The date and time the library item was originally created.

Type: Timestamp

### [createdBy](#)

The user who originally created the library item.

Type: String

### [isRatedByUser](#)

Whether the current user has rated the library item.

Type: Boolean

### libraryItemId

The unique identifier of the updated library item.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

### ratingCount

The number of ratings the library item has received.

Type: Integer

### status

The new status of the updated library item.

Type: String

### updatedAt

The date and time the library item was last updated.

Type: Timestamp

### updatedBy

The user who last updated the library item.

Type: String

### userCount

The number of users who have the associated Q App.

Type: Integer

## Errors

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

### AccessDeniedException

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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



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

# UpdateQApp

Service: QApps

Updates an existing Amazon Q App, allowing modifications to its title, description, and definition.

## Request Syntax

```
POST /apps.update HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "appDefinition": {
    "cards": [
      { ... }
    ],
    "initialPrompt": "string"
  },
  "appId": "string",
  "description": "string",
  "title": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### appDefinition

The new definition specifying the cards and flow for the Q App.

Type: [AppDefinitionInput](#) object

Required: No

### appId

The unique identifier of the Q App to update.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### description

The new description for the Q App.

Type: String

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

Required: No

### title

The new title for the Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

## Response Syntax

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

```
{
  "appArn": "string",
  "appId": "string",
  "appVersion": number,
  "createdAt": "string",
  "createdBy": "string",
  "description": "string",
```

```
"initialPrompt": "string",  
"requiredCapabilities": [ "string ],  
"status": "string",  
"title": "string",  
"updatedAt": "string",  
"updatedBy": "string"  
}
```

## Response Elements

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

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

### appArn

The Amazon Resource Name (ARN) of the updated Q App.

Type: String

### appId

The unique identifier of the updated Q App.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

### appVersion

The new version of the updated Q App.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

### createdAt

The date and time the Q App was originally created.

Type: Timestamp

### createdBy

The user who originally created the Q App.

Type: String

### description

The new description of the updated Q App.

Type: String

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

### initialPrompt

The initial prompt for the updated Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

### requiredCapabilities

The capabilities required for the updated Q App.

Type: Array of strings

Valid Values: FileUpload | CreatorMode | RetrievalMode | PluginMode

### status

The status of the updated Q App.

Type: String

Valid Values: PUBLISHED | DRAFT | DELETED

### title

The new title of the updated Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

### updatedAt

The date and time the Q App was last updated.

Type: Timestamp

## **updatedBy**

The user who last updated the Q App.

Type: String

## **Errors**

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **ContentTooLargeException**

The requested operation could not be completed because the content exceeds the maximum allowed size.

HTTP Status Code: 413

### **InternalServerError**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

## **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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

# UpdateQAppSession

Service: QApps

Updates the session for a given Q App `sessionId`. This is only valid when at least one card of the session is in the `WAITING` state. Data for each `WAITING` card can be provided as input. If inputs are not provided, the call will be accepted but session will not move forward. Inputs for cards that are not in the `WAITING` status will be ignored.

## Request Syntax

```
POST /runtime.updateQAppSession HTTP/1.1
instance-id: instanceId
Content-type: application/json

{
  "sessionId": "string",
  "values": [
    {
      "cardId": "string",
      "value": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The unique identifier of the Amazon Q Business application environment instance.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### sessionId

The unique identifier of the Q App session to provide input for.



Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### values

The input values to provide for the current state of the Q App session.

Type: Array of [CardValue](#) objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

## Response Syntax

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

{
  "sessionArn": "string",
  "sessionId": "string"
}
```

## Response Elements

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

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

### sessionArn

The Amazon Resource Name (ARN) of the updated Q App session.

Type: String

### sessionId

The unique identifier of the updated Q App session.

Type: String

## Errors

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

### **AccessDeniedException**

The client is not authorized to perform the requested operation.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal service error occurred while processing the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The requested operation could not be completed because it would exceed the service's quota or limit.

HTTP Status Code: 402

### **ThrottlingException**

The requested operation could not be completed because too many requests were sent at once. Wait a bit and try again later.

HTTP Status Code: 429

### **UnauthorizedException**

The client is not authenticated or authorized to perform the requested operation.

HTTP Status Code: 401

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# Data Types

The following data types are supported by QBusiness:

- [AccessConfiguration](#)
- [AccessControl](#)
- [ActionExecution](#)
- [ActionExecutionEvent](#)
- [ActionExecutionPayloadField](#)
- [ActionReview](#)
- [ActionReviewEvent](#)
- [ActionReviewPayloadField](#)
- [ActionReviewPayloadFieldAllowedValue](#)
- [APISchema](#)
- [Application](#)
- [AppliedAttachmentsConfiguration](#)
- [AppliedCreatorModeConfiguration](#)
- [AttachmentInput](#)
- [AttachmentInputEvent](#)
- [AttachmentOutput](#)
- [AttachmentsConfiguration](#)
- [AttributeFilter](#)
- [AuthChallengeRequest](#)
- [AuthChallengeRequestEvent](#)
- [AuthChallengeResponse](#)
- [AuthChallengeResponseEvent](#)
- [BasicAuthConfiguration](#)
- [BlockedPhrasesConfiguration](#)
- [BlockedPhrasesConfigurationUpdate](#)
- [ChatInputStream](#)
- [ChatModeConfiguration](#)

- [ChatOutputStream](#)
- [ConfigurationEvent](#)
- [ContentBlockerRule](#)
- [ContentRetrievalRule](#)
- [Conversation](#)
- [CreatorModeConfiguration](#)
- [CustomPluginConfiguration](#)
- [DataSource](#)
- [DataSourceSyncJob](#)
- [DataSourceSyncJobMetrics](#)
- [DataSourceVpcConfiguration](#)
- [DateAttributeBoostingConfiguration](#)
- [DeleteDocument](#)
- [Document](#)
- [DocumentAttribute](#)
- [DocumentAttributeBoostingConfiguration](#)
- [DocumentAttributeCondition](#)
- [DocumentAttributeConfiguration](#)
- [DocumentAttributeTarget](#)
- [DocumentAttributeValue](#)
- [DocumentContent](#)
- [DocumentDetails](#)
- [DocumentEnrichmentConfiguration](#)
- [EligibleDataSource](#)
- [EncryptionConfiguration](#)
- [EndOfInputEvent](#)
- [ErrorDetail](#)
- [FailedAttachmentEvent](#)
- [FailedDocument](#)
- [GroupMembers](#)

- [GroupStatusDetail](#)
- [GroupSummary](#)
- [HookConfiguration](#)
- [Index](#)
- [IndexCapacityConfiguration](#)
- [IndexStatistics](#)
- [InlineDocumentEnrichmentConfiguration](#)
- [KendraIndexConfiguration](#)
- [MemberGroup](#)
- [MemberUser](#)
- [Message](#)
- [MessageUsefulnessFeedback](#)
- [MetadataEvent](#)
- [NativeIndexConfiguration](#)
- [NoAuthConfiguration](#)
- [NumberAttributeBoostingConfiguration](#)
- [OAuth2ClientCredentialConfiguration](#)
- [PersonalizationConfiguration](#)
- [Plugin](#)
- [PluginAuthConfiguration](#)
- [PluginConfiguration](#)
- [Principal](#)
- [PrincipalGroup](#)
- [PrincipalUser](#)
- [QAppsConfiguration](#)
- [Retriever](#)
- [RetrieverConfiguration](#)
- [Rule](#)
- [RuleConfiguration](#)
- [S3](#)

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

The following data types are supported by QApps:

- [AppDefinition](#)
- [AppDefinitionInput](#)
- [AttributeFilter](#)
- [Card](#)
- [CardInput](#)
- [CardStatus](#)
- [CardValue](#)
- [Category](#)
- [ConversationMessage](#)
- [DocumentAttribute](#)
- [DocumentAttributeValue](#)
- [FileUploadCard](#)

- [FileUploadCardInput](#)
- [LibraryItemMember](#)
- [PredictAppDefinition](#)
- [PredictQAppInputOptions](#)
- [QPluginCard](#)
- [QPluginCardInput](#)
- [QQueryCard](#)
- [QQueryCardInput](#)
- [TextInputCard](#)
- [TextInputCardInput](#)
- [UserApplItem](#)

## QBusiness

The following data types are supported by QBusiness:

- [AccessConfiguration](#)
- [AccessControl](#)
- [ActionExecution](#)
- [ActionExecutionEvent](#)
- [ActionExecutionPayloadField](#)
- [ActionReview](#)
- [ActionReviewEvent](#)
- [ActionReviewPayloadField](#)
- [ActionReviewPayloadFieldAllowedValue](#)
- [APISchema](#)
- [Application](#)
- [AppliedAttachmentsConfiguration](#)
- [AppliedCreatorModeConfiguration](#)
- [AttachmentInput](#)
- [AttachmentInputEvent](#)



- [AttachmentOutput](#)
- [AttachmentsConfiguration](#)
- [AttributeFilter](#)
- [AuthChallengeRequest](#)
- [AuthChallengeRequestEvent](#)
- [AuthChallengeResponse](#)
- [AuthChallengeResponseEvent](#)
- [BasicAuthConfiguration](#)
- [BlockedPhrasesConfiguration](#)
- [BlockedPhrasesConfigurationUpdate](#)
- [ChatInputStream](#)
- [ChatModeConfiguration](#)
- [ChatOutputStream](#)
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- [CreatorModeConfiguration](#)
- [CustomPluginConfiguration](#)
- [DataSource](#)
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- [DocumentAttributeTarget](#)
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- [EndOfInputEvent](#)
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- [GroupMembers](#)
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- [IndexCapacityConfiguration](#)
- [IndexStatistics](#)
- [InlineDocumentEnrichmentConfiguration](#)
- [KendraIndexConfiguration](#)
- [MemberGroup](#)
- [MemberUser](#)
- [Message](#)
- [MessageUsefulnessFeedback](#)
- [MetadataEvent](#)
- [NativeIndexConfiguration](#)
- [NoAuthConfiguration](#)
- [NumberAttributeBoostingConfiguration](#)
- [OAuth2ClientCredentialConfiguration](#)
- [PersonalizationConfiguration](#)

- [Plugin](#)
- [PluginAuthConfiguration](#)
- [PluginConfiguration](#)
- [Principal](#)
- [PrincipalGroup](#)
- [PrincipalUser](#)
- [QAppsConfiguration](#)
- [Retriever](#)
- [RetrieverConfiguration](#)
- [Rule](#)
- [RuleConfiguration](#)
- [S3](#)
- [SamlConfiguration](#)
- [SnippetExcerpt](#)
- [SourceAttribution](#)
- [StringAttributeBoostingConfiguration](#)
- [StringListAttributeBoostingConfiguration](#)
- [Tag](#)
- [TextDocumentStatistics](#)
- [TextInputEvent](#)
- [TextOutputEvent](#)
- [TextSegment](#)
- [TopicConfiguration](#)
- [UserAlias](#)
- [UsersAndGroups](#)
- [ValidationExceptionField](#)
- [WebExperience](#)
- [WebExperienceAuthConfiguration](#)

# AccessConfiguration

Service: QBusiness

Used to configure access permissions for a document.

## Contents

### accessControls

A list of `AccessControlList` objects.

Type: Array of [AccessControl](#) objects

Required: Yes

### memberRelation

Describes the member relation within the `AccessControlList` object.

Type: String

Valid Values: AND | OR

Required: No

## See Also

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

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

# AccessControl

Service: QBusiness

A list of principals. Each principal can be either a USER or a GROUP and can be designated document access permissions of either ALLOW or DENY.

## Contents

### principals

Contains a list of principals, where a principal can be either a USER or a GROUP. Each principal can be have the following type of document access: ALLOW or DENY.

Type: Array of [Principal](#) objects

Required: Yes

### memberRelation

Describes the member relation within a principal list.

Type: String

Valid Values: AND | OR

Required: No

## See Also

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

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

# ActionExecution

Service: QBusiness

Performs an Amazon Q Business plugin action during a non-streaming chat conversation.

## Contents

### payload

A mapping of field names to the field values in input that an end user provides to Amazon Q Business requests to perform their plugin action.

Type: String to [ActionExecutionPayloadField](#) object map

Key Length Constraints: Minimum length of 1.

Required: Yes

### payloadFieldNameSeparator

A string used to retain information about the hierarchical contexts within an action execution event payload.

Type: String

Length Constraints: Fixed length of 1.

Required: Yes

### pluginId

The identifier of the plugin the action is attached to.

Type: String

Length Constraints: Fixed length of 36.

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

Required: Yes

## See Also

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

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

# ActionExecutionEvent

Service: QBusiness

A request from an end user signalling an intent to perform an Amazon Q Business plugin action during a streaming chat.

## Contents

### payload

A mapping of field names to the field values in input that an end user provides to Amazon Q Business requests to perform their plugin action.

Type: String to [ActionExecutionPayloadField](#) object map

Key Length Constraints: Minimum length of 1.

Required: Yes

### payloadFieldNameSeparator

A string used to retain information about the hierarchical contexts within a action execution event payload.

Type: String

Length Constraints: Fixed length of 1.

Required: Yes

### pluginId

The identifier of the plugin for which the action is being requested.

Type: String

Length Constraints: Fixed length of 36.

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

Required: Yes



## See Also

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

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

# ActionExecutionPayloadField

Service: QBusiness

A user input field in an plugin action execution payload.

## Contents

### value

The content of a user input field in an plugin action execution payload.

Type: JSON value

Required: Yes

## See Also

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

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

# ActionReview

Service: QBusiness

An output event that Amazon Q Business returns to an user who wants to perform a plugin action during a non-streaming chat conversation. It contains information about the selected action with a list of possible user input fields, some pre-populated by Amazon Q Business.

## Contents

### payload

Field values that an end user needs to provide to Amazon Q Business for Amazon Q Business to perform the requested plugin action.

Type: String to [ActionReviewPayloadField](#) object map

Key Length Constraints: Minimum length of 1.

Required: No

### payloadFieldNameSeparator

A string used to retain information about the hierarchical contexts within an action review payload.

Type: String

Length Constraints: Fixed length of 1.

Required: No

### pluginId

The identifier of the plugin associated with the action review.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

## pluginType

The type of plugin.

Type: String

Valid Values: SERVICE\_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM

Required: No

## See Also

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

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

# ActionReviewEvent

Service: QBusiness

An output event that Amazon Q Business returns to an user who wants to perform a plugin action during a streaming chat conversation. It contains information about the selected action with a list of possible user input fields, some pre-populated by Amazon Q Business.

## Contents

### conversationId

The identifier of the conversation with which the action review event is associated.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

### payload

Field values that an end user needs to provide to Amazon Q Business for Amazon Q Business to perform the requested plugin action.

Type: String to [ActionReviewPayloadField](#) object map

Key Length Constraints: Minimum length of 1.

Required: No

### payloadFieldNameSeparator

A string used to retain information about the hierarchical contexts within an action review event payload.

Type: String

Length Constraints: Fixed length of 1.

Required: No

## **pluginId**

The identifier of the plugin associated with the action review event.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

## **pluginType**

The type of plugin.

Type: String

Valid Values: SERVICE\_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM

Required: No

## **systemMessageId**

The identifier of an Amazon Q Business AI generated associated with the action review event.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

## **userMessageId**

The identifier of the conversation with which the plugin action is associated.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

## See Also

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

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

# ActionReviewPayloadField

Service: QBusiness

A user input field in an plugin action review payload.

## Contents

### allowedFormat

The expected data format for the action review input field value. For example, in PTO request, from and to would be of datetime allowed format.

Type: String

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

Required: No

### allowedValues

Information about the field values that an end user can use to provide to Amazon Q Business for Amazon Q Business to perform the requested plugin action.

Type: Array of [ActionReviewPayloadFieldAllowedValue](#) objects

Required: No

### displayDescription

The field level description of each action review input field. This could be an explanation of the field. In the Amazon Q Business web experience, these descriptions could be used to display as tool tips to help users understand the field.

Type: String

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

Required: No

### displayName

The name of the field.

Type: String



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

Required: No

### **displayOrder**

The display order of fields in a payload.

Type: Integer

Required: No

### **required**

Information about whether the field is required.

Type: Boolean

Required: No

### **type**

The type of field.

Type: String

Valid Values: STRING | NUMBER | ARRAY | BOOLEAN

Required: No

### **value**

The field value.

Type: JSON value

Required: No

## **See Also**

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

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

- [AWS SDK for Ruby V3](#)

# ActionReviewPayloadFieldAllowedValue

Service: QBusiness

Information about the field values that an end user can use to provide to Amazon Q Business for Amazon Q Business to perform the requested plugin action.

## Contents

### displayValue

The name of the field.

Type: JSON value

Required: No

### value

The field value.

Type: JSON value

Required: No

## See Also

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

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

# APISchema

Service: QBusiness

Contains details about the OpenAPI schema for a custom plugin. For more information, see [custom plugin OpenAPI schemas](#). You can either include the schema directly in the payload field or you can upload it to an S3 bucket and specify the S3 bucket location in the s3 field.

## Contents

### Important

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

### payload

The JSON or YAML-formatted payload defining the OpenAPI schema for a custom plugin.

Type: String

Required: No

### s3

Contains details about the S3 object containing the OpenAPI schema for a custom plugin. The schema could be in either JSON or YAML format.

Type: [S3](#) object

Required: No

## See Also

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

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



# Application

Service: QBusiness

Summary information for an Amazon Q Business application.

## Contents

### **applicationId**

The identifier for the Amazon Q Business application.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

### **createdAt**

The Unix timestamp when the Amazon Q Business application was created.

Type: Timestamp

Required: No

### **displayName**

The name of the Amazon Q Business application.

Type: String

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

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

Required: No

### **status**

The status of the Amazon Q Business application. The application is ready to use when the status is ACTIVE.

Type: String

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

Required: No

### **updatedAt**

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

Type: Timestamp

Required: No

## **See Also**

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

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

# AppliedAttachmentsConfiguration

Service: QBusiness

Configuration information about the file upload during chat feature for your application.

## Contents

### attachmentsControlMode

Information about whether file upload during chat functionality is activated for your application.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

## See Also

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

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



# AppliedCreatorModeConfiguration

Service: QBusiness

The creator mode specific admin controls configured for an Amazon Q Business application. Determines whether an end user can generate LLM-only responses when they use the web experience.

For more information, see [Admin controls and guardrails](#) and [Conversation settings](#).

## Contents

### creatorModeControl

Information about whether creator mode is enabled or disabled for an Amazon Q Business application.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

## See Also

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

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

# AttachmentInput

Service: QBusiness

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

Service: QBusiness

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

Service: QBusiness

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

Service: QBusiness

Configuration information for the file upload during chat feature.

## Contents

### attachmentsControlMode

Status information about whether file upload functionality is activated or deactivated for your end user.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

## See Also

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

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

# AttributeFilter

Service: QBusiness

Enables filtering of responses based on document attributes or metadata fields.

## Contents

### andAllFilters

Performs a logical AND operation on all supplied filters.

Type: Array of [AttributeFilter](#) objects

Required: No

### containsAll

Returns true when a document contains all the specified document attributes or metadata fields. Supported for the following [document attribute value types](#): stringValue.

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](#): stringValue.

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, stringValue 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

Service: QBusiness

A request made by Amazon Q Business to a third party authentication server to authenticate a custom plugin user.

## Contents

### authorizationUrl

The URL sent by Amazon Q Business to the third party authentication server to authenticate a custom plugin user through an OAuth protocol.

Type: String

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

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

Required: Yes

## See Also

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

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

# AuthChallengeRequestEvent

Service: QBusiness

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

## Contents

### authorizationUrl

The URL sent by Amazon Q Business to a third party authentication server in response to an authentication verification event activated by an end user request to use a custom plugin.

Type: String

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

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

Required: Yes

## See Also

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

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

# AuthChallengeResponse

Service: QBusiness

Contains details of the authentication information received from a third party authentication server in response to an authentication challenge.

## Contents

### responseMap

The mapping of key-value pairs in an authentication challenge response.

Type: String to string map

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

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

Required: Yes

## See Also

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

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

# AuthChallengeResponseEvent

Service: QBusiness

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

## Contents

### responseMap

The mapping of key-value pairs in an authentication challenge response.

Type: String to string map

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

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

Required: Yes

## See Also

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

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

# BasicAuthConfiguration

Service: QBusiness

Information about the basic authentication credentials used to configure a plugin.

## Contents

### roleArn

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

Type: String

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

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

Required: Yes

### secretArn

The ARN of the Secrets Manager secret that stores the basic authentication credentials used for plugin configuration..

Type: String

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

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

Required: Yes

## See Also

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

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

- [AWS SDK for Ruby V3](#)

# BlockedPhrasesConfiguration

Service: QBusiness

Provides information about the phrases blocked from chat by your chat control configuration.

## Contents

### blockedPhrases

A list of phrases blocked from a Amazon Q Business web experience chat.

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

Service: QBusiness

Updates a blocked phrases configuration in your Amazon Q Business application.

## Contents

### blockedPhrasesToCreateOrUpdate

Creates or updates a blocked phrases configuration in your Amazon Q Business application.

Type: Array of strings

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

Service: QBusiness

The streaming input for the Chat API.

## Contents

### **actionExecutionEvent**

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

Type: [ActionExecutionEvent](#) object

Required: No

### **attachmentEvent**

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

Type: [AttachmentInputEvent](#) object

Required: No

### **authChallengeResponseEvent**

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

Type: [AuthChallengeResponseEvent](#) object

Required: No

### **configurationEvent**

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

Type: [ConfigurationEvent](#) object

Required: No

### **endOfInputEvent**

The end of the streaming input for the Chat API.

Type: [EndOfInputEvent](#) object

Required: No

### **textEvent**

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

Type: [TextInputEvent](#) object

Required: No

## **See Also**

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

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

# ChatModeConfiguration

Service: QBusiness

Configuration information for Amazon Q Business conversation modes.

For more information, see [Admin controls and guardrails](#) and [Conversation settings](#).

## Contents

### Important

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

## pluginConfiguration

Configuration information required to invoke chat in PLUGIN\_MODE.

Type: [PluginConfiguration](#) object

Required: No

## See Also

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

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

# ChatOutputStream

Service: QBusiness

The streaming output for the Chat API.

## Contents

### **actionReviewEvent**

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

Type: [ActionReviewEvent](#) object

Required: No

### **authChallengeRequestEvent**

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

Type: [AuthChallengeRequestEvent](#) object

Required: No

### **failedAttachmentEvent**

A failed file upload event during a web experience chat.

Type: [FailedAttachmentEvent](#) object

Required: No

### **metadataEvent**

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

Type: [MetadataEvent](#) object

Required: No

### **textEvent**

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

Type: [TextOutputEvent](#) object

Required: No

## See Also

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

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



# ConfigurationEvent

Service: QBusiness

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

## Contents

### attributeFilter

Enables filtering of responses based on document attributes or metadata fields.

Type: [AttributeFilter](#) object

Required: No

### chatMode

The chat modes available to an Amazon Q Business end user.

- RETRIEVAL\_MODE - The default chat mode for an Amazon Q Business application. When this mode is enabled, Amazon Q Business generates responses only from data sources connected to an Amazon Q Business application.
- CREATOR\_MODE - By selecting this mode, users can choose to generate responses only from the LLM knowledge, without consulting connected data sources, for a chat request.
- PLUGIN\_MODE - By selecting this mode, users can choose to use plugins in chat.

For more information, see [Admin controls and guardrails](#), [Plugins](#), and [Conversation settings](#).

Type: String

Valid Values: RETRIEVAL\_MODE | CREATOR\_MODE | PLUGIN\_MODE

Required: No

### chatModeConfiguration

Configuration information for Amazon Q Business conversation modes.

For more information, see [Admin controls and guardrails](#) and [Conversation settings](#).

Type: [ChatModeConfiguration](#) object

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

Required: No

## See Also

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

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

# ContentBlockerRule

Service: QBusiness

A rule for configuring how Amazon Q Business responds when it encounters a a blocked topic. You can configure a custom message to inform your end users that they have asked about a restricted topic and suggest any next steps they should take.

## Contents

### systemMessageOverride

The configured custom message displayed to an end user informing them that they've used a blocked phrase during chat.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350.

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

Required: No

## See Also

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

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

# ContentRetrievalRule

Service: QBusiness

Rules for retrieving content from data sources connected to a Amazon Q Business application for a specific topic control configuration.

## Contents

### eligibleDataSources

Specifies data sources in a Amazon Q Business application to use for content generation.

Type: Array of [EligibleDataSource](#) objects

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

Required: No

## See Also

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

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

# Conversation

Service: QBusiness

A conversation in an Amazon Q Business application.

## Contents

### **conversationId**

The identifier of the Amazon Q Business conversation.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

### **startTime**

The start time of the conversation.

Type: Timestamp

Required: No

### **title**

The title of the conversation.

Type: String

Required: No

## See Also

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

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



# CreatorModeConfiguration

Service: QBusiness

Configuration information required to invoke chat in CREATOR\_MODE.

For more information, see [Admin controls and guardrails](#) and [Conversation settings](#).

## Contents

### creatorModeControl

Status information about whether CREATOR\_MODE has been enabled or disabled. The default status is DISABLED.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

## See Also

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

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

# CustomPluginConfiguration

Service: QBusiness

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](#)

# DataSource

Service: QBusiness

A data source in an Amazon Q Business application.

## Contents

### **createdAt**

The Unix timestamp when the Amazon Q Business data source was created.

Type: Timestamp

Required: No

### **dataSourceId**

The identifier of the Amazon Q Business data source.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

### **displayName**

The name of the Amazon Q Business data source.

Type: String

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

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

Required: No

### **status**

The status of the Amazon Q Business data source.

Type: String

Valid Values: PENDING\_CREATION | CREATING | ACTIVE | DELETING | FAILED | UPDATING

Required: No

### **type**

The type of the Amazon Q Business data source.

Type: String

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

Required: No

### **updatedAt**

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

Type: Timestamp

Required: No

## **See Also**

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

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

# DataSourceSyncJob

Service: QBusiness

Provides information about an Amazon Q Business data source connector synchronization job.

## Contents

### dataSourceErrorCode

If the reason that the synchronization failed is due to an error with the underlying data source, this field contains a code that identifies the error.

Type: String

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

Required: No

### endTime

The Unix timestamp when the synchronization job completed.

Type: Timestamp

Required: No

### error

If the Status field is set to FAILED, the ErrorCode field indicates the reason the synchronization failed.

Type: [ErrorDetail](#) object

Required: No

### executionId

The identifier of a data source synchronization job.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

## metrics

Maps a batch delete document request to a specific data source sync job. This is optional and should only be supplied when documents are deleted by a data source connector.

Type: [DataSourceSyncJobMetrics](#) object

Required: No

## startTime

The Unix time stamp when the data source synchronization job started.

Type: Timestamp

Required: No

## status

The status of the synchronization job. When the Status field is set to SUCCEEDED, the synchronization job is done. If the status code is FAILED, the ErrorCode and ErrorMessage fields give you the reason for the failure.

Type: String

Valid Values: FAILED | SUCCEEDED | SYNCING | INCOMPLETE | STOPPING | ABORTED  
| SYNCING\_INDEXING

Required: No

## See Also

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

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

# DataSourceSyncJobMetrics

Service: QBusiness

Maps a batch delete document request to a specific Amazon Q Business data source connector sync job.

## Contents

### documentsAdded

The current count of documents added from the data source during the data source sync.

Type: String

Pattern: `^(([1-9][0-9]*)|0)$`

Required: No

### documentsDeleted

The current count of documents deleted from the data source during the data source sync.

Type: String

Pattern: `^(([1-9][0-9]*)|0)$`

Required: No

### documentsFailed

The current count of documents that failed to sync from the data source during the data source sync.

Type: String

Pattern: `^(([1-9][0-9]*)|0)$`

Required: No

### documentsModified

The current count of documents modified in the data source during the data source sync.

Type: String

Pattern: `^(([1-9][0-9]*)|0)$`

Required: No

## **documentsScanned**

The current count of documents crawled by the ongoing sync job in the data source.

Type: String

Pattern: `^(([1-9][0-9]*)|0)$`

Required: No

## **See Also**

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

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

# DataSourceVpcConfiguration

Service: QBusiness

Provides configuration information needed to connect to an Amazon VPC (Virtual Private Cloud).

## Contents

### securityGroupIds

A list of identifiers of security groups within your Amazon VPC. The security groups should enable Amazon Q Business to connect to the data source.

Type: Array of strings

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

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

Pattern: `^[-0-9a-zA-Z]+$`

Required: Yes

### subnetIds

A list of identifiers for subnets within your Amazon VPC. The subnets should be able to connect to each other in the VPC, and they should have outgoing access to the Internet through a NAT device.

Type: Array of strings

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

Pattern: `^[-0-9a-zA-Z]+$`

Required: Yes

## See Also

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

- [AWS SDK for C++](#)



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

# DateAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting DATE type document attributes.

For more information on how boosting document attributes work in Amazon Q Business, see [Boosting using document attributes](#).

## Contents

### boostingLevel

Specifies 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

Service: QBusiness

A document deleted from an Amazon Q Business data source connector.

## Contents

### documentId

The identifier of the deleted document.

Type: String

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

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

Required: Yes

## See Also

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

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

# Document

Service: QBusiness

A document in an Amazon Q Business application.

## Contents

### id

The identifier of the document.

Type: String

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

Pattern:  $\wedge \backslash P \{ C \} * \$$

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

Service: QBusiness

A document attribute or metadata field.

## Contents

### name

The identifier for the attribute.

Type: String

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

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

Required: Yes

### value

The value of the attribute.

Type: [DocumentAttributeValue](#) object

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

Required: Yes

## See Also

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

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

# DocumentAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting supported Amazon Q Business document attribute types. When an end user chat query matches document attributes that have been boosted, Amazon Q Business prioritizes generating responses from content that matches the boosted document attributes.

## 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

Service: QBusiness

The condition used for the target document attribute or metadata field when ingesting documents into Amazon Q Business. You use this with [DocumentAttributeTarget](#) to apply the condition.

For example, you can create the 'Department' target field and have it prefill department names associated with the documents based on information in the 'Source\_URI' field. Set the condition that if the 'Source\_URI' field contains 'financial' in its URI value, then prefill the target field 'Department' with the target value 'Finance' for the document.

Amazon Q Business can't create a target field if it has not already been created as an index field. After you create your index field, you can create a document metadata field using `DocumentAttributeTarget`. Amazon Q Business then will map your newly created metadata field to your index field.

## Contents

### key

The identifier of the document attribute used for the condition.

For example, 'Source\_URI' could be an identifier for the attribute or metadata field that contains source URIs associated with the documents.

Amazon Q Business currently doesn't support `_document_body` as an attribute key used for the condition.

Type: String

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

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

Required: Yes

### operator

The identifier of the document attribute used for the condition.

For example, 'Source\_URI' could be an identifier for the attribute or metadata field that contains source URIs associated with the documents.

Amazon Q Business currently does not support `_document_body` as an attribute key used for the condition.

Type: String

Valid Values: GREATER\_THAN | GREATER\_THAN\_OR\_EQUALS | LESS\_THAN | LESS\_THAN\_OR\_EQUALS | EQUALS | NOT\_EQUALS | CONTAINS | NOT\_CONTAINS | EXISTS | NOT\_EXISTS | BEGINS\_WITH

Required: Yes

## value

The value of a document attribute. You can only provide one value for a document attribute.

Type: [DocumentAttributeValue](#) object

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

Required: No

## See Also

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

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

# DocumentAttributeConfiguration

Service: QBusiness

Configuration information for document attributes. Document attributes are metadata or fields associated with your documents. For example, the company department name associated with each document.

For more information, see [Understanding document attributes](#).

## Contents

### name

The name of the document attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30.

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

Required: No

### search

Information about whether the document attribute can be used by an end user to search for information on their web experience.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

### type

The type of document attribute.

Type: String

Valid Values: STRING | STRING\_LIST | NUMBER | DATE

Required: No

## See Also

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

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

# DocumentAttributeTarget

Service: QBusiness

The target document attribute or metadata field you want to alter when ingesting documents into Amazon Q Business.

For example, you can delete all customer identification numbers associated with the documents, stored in the document metadata field called 'Customer\_ID' by setting the target key as 'Customer\_ID' and the deletion flag to TRUE. This removes all customer ID values in the field 'Customer\_ID'. This would scrub personally identifiable information from each document's metadata.

Amazon Q Business can't create a target field if it has not already been created as an index field. After you create your index field, you can create a document metadata field using [DocumentAttributeTarget](#). Amazon Q Business will then map your newly created document attribute to your index field.

You can also use this with [DocumentAttributeCondition](#).

## Contents

### key

The identifier of the target document attribute or metadata field. For example, 'Department' could be an identifier for the target attribute or metadata field that includes the department names associated with the documents.

Type: String

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

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

Required: Yes

### attributeValueOperator

TRUE to delete the existing target value for your specified target attribute key. You cannot create a target value and set this to TRUE.

Type: String

Valid Values: DELETE

Required: No

### value

The value of a document attribute. You can only provide one value for a document attribute.

Type: [DocumentAttributeValue](#) object

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

Required: No

## See Also

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

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

# DocumentAttributeValue

Service: QBusiness

The value of a document attribute. You can only provide one value for a document attribute.

## Contents

### Important

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

### dateValue

A date expressed as an ISO 8601 string.

It's important for the time zone to be included in the ISO 8601 date-time format. For example, 2012-03-25T12:30:10+01:00 is the ISO 8601 date-time format for March 25th 2012 at 12:30PM (plus 10 seconds) in Central European Time.

Type: Timestamp

Required: No

### longValue

A long integer value.

Type: Long

Required: No

### stringListValue

A list of strings.

Type: Array of strings

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

Required: No



## stringValue

A string.

Type: String

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

Required: No

## See Also

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

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

# DocumentContent

Service: QBusiness

The contents of a document.

## Contents

### Important

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

## blob

The contents of the document. Documents passed to the `blob` parameter must be base64 encoded. Your code might not need to encode the document file bytes if you're using an AWS SDK to call Amazon Q Business APIs. If you are calling the Amazon Q Business endpoint directly using REST, you must base64 encode the contents before sending.

Type: Base64-encoded binary data object

Required: No

## s3

The path to the document in an Amazon S3 bucket.

Type: [S3](#) object

Required: No

## See Also

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

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



# DocumentDetails

Service: QBusiness

The details of a document within an Amazon Q Business index.

## Contents

### createdAt

The timestamp for when the document was created.

Type: Timestamp

Required: No

### documentId

The identifier of the document.

Type: String

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

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

Required: No

### error

An error message associated with the document.

Type: [ErrorDetail](#) object

Required: No

### status

The current status of the document.

Type: String

Valid Values: RECEIVED | PROCESSING | INDEXED | UPDATED | FAILED | DELETING  
| DELETED | DOCUMENT\_FAILED\_TO\_INDEX

Required: No

**updatedAt**

The timestamp for when the document was last updated.

Type: Timestamp

Required: No

**See Also**

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

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

# DocumentEnrichmentConfiguration

Service: QBusiness

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

For more information, see [Custom document enrichment](#).

## Contents

### inlineConfigurations

Configuration information to alter document attributes or metadata fields and content when ingesting documents into Amazon Q Business.

Type: Array of [InlineDocumentEnrichmentConfiguration](#) objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

### postExtractionHookConfiguration

Provides the configuration information for invoking a Lambda function in AWS Lambda to alter document metadata and content when ingesting documents into Amazon Q Business.

You can configure your Lambda function using the `PreExtractionHookConfiguration` parameter if you want to apply advanced alterations on the original or raw documents.

If you want to apply advanced alterations on the Amazon Q Business structured documents, you must configure your Lambda function using `PostExtractionHookConfiguration`.

You can only invoke one Lambda function. However, this function can invoke other functions it requires.

For more information, see [Custom document enrichment](#).

Type: [HookConfiguration](#) object

Required: No

### preExtractionHookConfiguration

Provides the configuration information for invoking a Lambda function in AWS Lambda to alter document metadata and content when ingesting documents into Amazon Q Business.

You can configure your Lambda function using the `PreExtractionHookConfiguration` parameter if you want to apply advanced alterations on the original or raw documents.

If you want to apply advanced alterations on the Amazon Q Business structured documents, you must configure your Lambda function using `PostExtractionHookConfiguration`.

You can only invoke one Lambda function. However, this function can invoke other functions it requires.

For more information, see [Custom document enrichment](#).

Type: [HookConfiguration](#) object

Required: No

## See Also

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

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

# EligibleDataSource

Service: QBusiness

The identifier of the data source Amazon Q Business will generate responses from.

## Contents

### dataSourceId

The identifier of the data source.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

### indexId

The identifier of the index the data source is attached to.

Type: String

Length Constraints: Fixed length of 36.

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

Required: No

## See Also

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

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



# EncryptionConfiguration

Service: QBusiness

Provides the identifier of the AWS KMS key used to encrypt data indexed by Amazon Q Business. Amazon Q Business doesn't support asymmetric keys.

## Contents

### kmsKeyId

The identifier of the AWS KMS key. Amazon Q Business doesn't support asymmetric keys.

Type: String

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

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# EndOfInputEvent

Service: QBusiness

The end of the streaming input for the Chat API.

## Contents

The members of this exception structure are context-dependent.

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ErrorDetail

Service: QBusiness

Provides information about a 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

Service: QBusiness

A failed file upload during web experience chat.

## Contents

### attachment

The details of a file uploaded during chat.

Type: [AttachmentOutput](#) object

Required: No

### conversationId

The identifier of the conversation associated with the failed file upload.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### systemMessageId

The identifier of the AI-generated message associated with the file upload.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### userId

The identifier of the end user chat message associated with the file upload.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# FailedDocument

Service: QBusiness

A list of documents that could not be removed from an Amazon Q Business index. Each entry contains an error message that indicates why the document couldn't be removed from the index.

## Contents

### dataSourceId

The identifier of the Amazon Q Business data source connector that contains the failed document.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### error

An explanation for why the document couldn't be removed from the index.

Type: [ErrorDetail](#) object

Required: No

### id

The identifier of the document that couldn't be removed from the Amazon Q Business index.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1825.

Pattern: `^\P{C}*$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# GroupMembers

Service: QBusiness

A list of users or sub groups that belong to a group. This is for generating Amazon Q Business chat results only from document a user has access to.

## Contents

### memberGroups

A list of sub groups that belong to a group. For example, the sub groups "Research", "Engineering", and "Sales and Marketing" all belong to the group "Company".

Type: Array of [MemberGroup](#) objects

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

Service: QBusiness

Provides the details of a group's status.

## Contents

### errorDetail

The details of an error associated a group status.

Type: [ErrorDetail](#) object

Required: No

### lastUpdatedAt

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

Required: No

### status

The status of a group.

Type: String

Valid Values: FAILED | SUCCEEDED | PROCESSING | DELETING | DELETED

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# GroupSummary

Service: QBusiness

Summary information for groups.

## Contents

### groupName

The name of the group the summary information is for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^\P{C}*$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# HookConfiguration

Service: QBusiness

Provides the configuration information for invoking a Lambda function in AWS Lambda to alter document metadata and content when ingesting documents into Amazon Q Business.

You can configure your Lambda function using the `PreExtractionHookConfiguration` parameter if you want to apply advanced alterations on the original or raw documents.

If you want to apply advanced alterations on the Amazon Q Business structured documents, you must configure your Lambda function using `PostExtractionHookConfiguration`.

You can only invoke one Lambda function. However, this function can invoke other functions it requires.

For more information, see [Custom document enrichment](#).

## Contents

### invocationCondition

The condition used for when a Lambda function should be invoked.

For example, you can specify a condition that if there are empty date-time values, then Amazon Q Business should invoke a function that inserts the current date-time.

Type: [DocumentAttributeCondition](#) object

Required: No

### lambdaArn

The Amazon Resource Name (ARN) of 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

Service: QBusiness

Summary information for your Amazon Q Business index.

## Contents

### **createdAt**

The Unix timestamp when the index was created.

Type: Timestamp

Required: No

### **displayName**

The name of the index.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9_-]*$`

Required: No

### **indexId**

The identifier for the index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### **status**

The current status of the index. When the status is ACTIVE, the index is ready.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED | UPDATING

Required: No

### **updatedAt**

The Unix timestamp when the index was last updated.

Type: Timestamp

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IndexCapacityConfiguration

Service: QBusiness

Provides information about index capacity configuration.

## Contents

### units

The number of storage units configured for an Amazon Q Business index.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IndexStatistics

Service: QBusiness

Provides information about the number of documents in an index.

## Contents

### textDocumentStatistics

The number of documents indexed.

Type: [TextDocumentStatistics](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# InlineDocumentEnrichmentConfiguration

Service: QBusiness

Provides the configuration information for applying basic logic to alter document metadata and content when ingesting documents into Amazon Q Business.

To apply advanced logic, to go beyond what you can do with basic logic, see [HookConfiguration](#).

For more information, see [Custom document enrichment](#).

## Contents

### condition

The condition used for the target document attribute or metadata field when ingesting documents into Amazon Q Business. You use this with [DocumentAttributeTarget](#) to apply the condition.

For example, you can create the 'Department' target field and have it prefill department names associated with the documents based on information in the 'Source\_URI' field. Set the condition that if the 'Source\_URI' field contains 'financial' in its URI value, then prefill the target field 'Department' with the target value 'Finance' for the document.

Amazon Q Business can't create a target field if it has not already been created as an index field. After you create your index field, you can create a document metadata field using [DocumentAttributeTarget](#). Amazon Q Business then will map your newly created metadata field to your index field.

Type: [DocumentAttributeCondition](#) object

Required: No

### documentContentOperator

TRUE to delete content if the condition used for the target attribute is met.

Type: String

Valid Values: DELETE

Required: No

## target

The target document attribute or metadata field you want to alter when ingesting documents into Amazon Q Business.

For example, you can delete all customer identification numbers associated with the documents, stored in the document metadata field called 'Customer\_ID' by setting the target key as 'Customer\_ID' and the deletion flag to TRUE. This removes all customer ID values in the field 'Customer\_ID'. This would scrub personally identifiable information from each document's metadata.

Amazon Q Business can't create a target field if it has not already been created as an index field. After you create your index field, you can create a document metadata field using [DocumentAttributeTarget](#). Amazon Q Business will then map your newly created document attribute to your index field.

You can also use this with [DocumentAttributeCondition](#).

Type: [DocumentAttributeTarget](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# KendraIndexConfiguration

Service: QBusiness

Stores an Amazon Kendra index as a retriever.

## Contents

### indexId

The identifier of the Amazon Kendra index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# MemberGroup

Service: QBusiness

The sub groups that belong to a group.

## Contents

### groupName

The name of the sub group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^\P{C}*$`

Required: Yes

### type

The type of the sub group.

Type: String

Valid Values: INDEX | DATASOURCE

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# MemberUser

Service: QBusiness

The users that belong to a group.

## Contents

### userId

The identifier of the user you want to map to a group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^\P{C}*$`

Required: Yes

### type

The type of the user.

Type: String

Valid Values: INDEX | DATASOURCE

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Message

Service: QBusiness

A message in an Amazon Q Business web experience.

## Contents

### actionExecution

Performs an Amazon Q Business plugin action during a non-streaming chat conversation.

Type: [ActionExecution](#) object

Required: No

### actionReview

An output event that Amazon Q Business returns to a user who wants to perform a plugin action during a non-streaming chat conversation. It contains information about the selected action with a list of possible user input fields, some pre-populated by Amazon Q Business.

Type: [ActionReview](#) object

Required: No

### attachments

A file directly uploaded into an Amazon Q Business web experience chat.

Type: Array of [AttachmentOutput](#) objects

Required: No

### body

The content of the Amazon Q Business web experience message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `^\P{C}*$}$`

Required: No

## messageId

The identifier of the Amazon Q Business web experience message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

## sourceAttribution

The source documents used to generate Amazon Q Business web experience message.

Type: Array of [SourceAttribution](#) objects

Required: No

## time

The timestamp of the first Amazon Q Business web experience message.

Type: Timestamp

Required: No

## type

The type of Amazon Q Business message, whether HUMAN or AI generated.

Type: String

Valid Values: USER | SYSTEM

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)





# MessageUsefulnessFeedback

Service: QBusiness

End user feedback on an AI-generated web experience chat message usefulness.

## Contents

### submittedAt

The timestamp for when the feedback was submitted.

Type: Timestamp

Required: Yes

### usefulness

The usefulness value assigned by an end user to a message.

Type: String

Valid Values: USEFUL | NOT\_USEFUL

Required: Yes

### comment

A comment given by an end user on the usefulness of an AI-generated chat message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `^\P{C}*$`

Required: No

### reason

The reason for a usefulness rating.

Type: String

Valid Values: NOT\_FACTUALLY\_CORRECT | HARMFUL\_OR\_UNSAFE |  
INCORRECT\_OR\_MISSING\_SOURCES | NOT\_HELPFUL | FACTUALLY\_CORRECT |

COMPLETE | RELEVANT\_SOURCES | HELPFUL | NOT\_BASED\_ON\_DOCUMENTS |  
NOT\_COMPLETE | NOT\_CONCISE | OTHER

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# MetadataEvent

Service: QBusiness

A metadata event for a AI-generated text output message in a Amazon Q Business conversation, containing associated metadata generated.

## Contents

### conversationId

The identifier of the conversation with which the generated metadata is associated.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### finalTextMessage

The final text output message generated by the system.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

### sourceAttributions

The source documents used to generate the conversation response.

Type: Array of [SourceAttribution](#) objects

Required: No

### systemMessageId

The identifier of an Amazon Q Business AI generated message within the conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### **userMessageId**

The identifier of an Amazon Q Business end user text input message within the conversation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# NativeIndexConfiguration

Service: QBusiness

Configuration information for an Amazon Q Business index.

## Contents

### indexId

The identifier for the Amazon Q Business index.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: Yes

### boostingOverride

Overrides the default boosts applied by Amazon Q Business to supported document attribute data types.

Type: String to [DocumentAttributeBoostingConfiguration](#) object map

Map Entries: Maximum number of items.

Key Length Constraints: Minimum length of 1. Maximum length of 200.

Key Pattern: `^[a-zA-Z0-9_][a-zA-Z0-9_-]*$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# NoAuthConfiguration

Service: QBusiness

Information about invoking a custom plugin without any authentication or authorization requirement.

## Contents

The members of this exception structure are context-dependent.

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# NumberAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting NUMBER type document attributes.

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

Service: QBusiness

Information about the OAuth 2.0 authentication credential/token used to configure a plugin.

## Contents

### roleArn

The ARN of an IAM role used by Amazon Q Business to access the OAuth 2.0 authentication credentials stored in a Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `^arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}$`

Required: Yes

### secretArn

The ARN of the Secrets Manager secret that stores the OAuth 2.0 credentials/token used for plugin configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `^arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}$`

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

# PersonalizationConfiguration

Service: QBusiness

Configuration information about chat response personalization. For more information, see [Personalizing chat responses](#).

## Contents

### personalizationControlMode

An option to allow Amazon Q Business to customize chat responses using user specific metadata—specifically, location and job information—in your IAM Identity Center instance.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Plugin

Service: QBusiness

Information about an Amazon Q Business plugin and its configuration.

## Contents

### buildStatus

The status of the plugin.

Type: String

Valid Values: READY | CREATE\_IN\_PROGRESS | CREATE\_FAILED |  
UPDATE\_IN\_PROGRESS | UPDATE\_FAILED | DELETE\_IN\_PROGRESS | DELETE\_FAILED

Required: No

### createdAt

The timestamp for when the plugin was created.

Type: Timestamp

Required: No

### displayName

The name of the plugin.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9_-]*$`

Required: No

### pluginId

The identifier of the plugin.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Required: No

### **serverUrl**

The plugin server URL used for configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^(https?|ftp|file)://[^\s]*)$`

Required: No

### **state**

The current status of the plugin.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

### **type**

The type of the plugin.

Type: String

Valid Values: SERVICE\_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM

Required: No

### **updatedAt**

The timestamp for when the plugin was last updated.

Type: Timestamp

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PluginAuthConfiguration

Service: QBusiness

Authentication configuration information for an Amazon Q Business plugin.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### basicAuthConfiguration

Information about the basic authentication credentials used to configure a plugin.

Type: [BasicAuthConfiguration](#) object

Required: No

### noAuthConfiguration

Information about invoking a custom plugin without any authentication.

Type: [NoAuthConfiguration](#) object

Required: No

### oAuth2ClientCredentialConfiguration

Information about the OAuth 2.0 authentication credential/token used to configure a plugin.

Type: [OAuth2ClientCredentialConfiguration](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# PluginConfiguration

Service: QBusiness

Configuration information required to invoke chat in PLUGIN\_MODE.

For more information, see [Admin controls and guardrails](#), [Plugins](#), and [Conversation settings](#).

## Contents

### pluginId

The identifier of the plugin you want to use.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Principal

Service: QBusiness

Provides user and group information used for filtering documents to use for generating Amazon Q Business conversation responses.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### group

The group associated with the principal.

Type: [PrincipalGroup](#) object

Required: No

### user

The user associated with the principal.

Type: [PrincipalUser](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PrincipalGroup

Service: QBusiness

Provides information about a group associated with the principal.

## Contents

### access

Provides information about whether to allow or deny access to the principal.

Type: String

Valid Values: ALLOW | DENY

Required: Yes

### membershipType

The type of group.

Type: String

Valid Values: INDEX | DATASOURCE

Required: No

### name

The name of the group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^\P{C}*$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PrincipalUser

Service: QBusiness

Provides information about a user associated with a principal.

## Contents

### access

Provides information about whether to allow or deny access to the principal.

Type: String

Valid Values: ALLOW | DENY

Required: Yes

### id

The identifier of the user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^\P{C}*$`

Required: No

### membershipType

The type of group.

Type: String

Valid Values: INDEX | DATASOURCE

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# QAppsConfiguration

Service: QBusiness

Configuration information about Amazon Q Apps. (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

Service: QBusiness

Summary information for the retriever used for your Amazon Q Business application.

## Contents

### **applicationId**

The identifier of the Amazon Q Business application using the retriever.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### **displayName**

The name of your retriever.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9_-]*$`

Required: No

### **retrieverId**

The identifier of the retriever used by your Amazon Q Business application.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### **status**

The status of your retriever.



Type: String

Valid Values: CREATING | ACTIVE | FAILED

Required: No

### **type**

The type of your retriever.

Type: String

Valid Values: NATIVE\_INDEX | KENDRA\_INDEX

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# RetrieverConfiguration

Service: QBusiness

Provides information on how the retriever used for your Amazon Q Business application is configured.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

## kendraIndexConfiguration

Provides information on how the Amazon Kendra index used as a retriever for your Amazon Q Business application is configured.

Type: [KendraIndexConfiguration](#) object

Required: No

## nativeIndexConfiguration

Provides information on how a Amazon Q Business index used as a retriever for your Amazon Q Business application is configured.

Type: [NativeIndexConfiguration](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# Rule

Service: QBusiness

Guardrail rules for an Amazon Q Business application. Amazon Q Business supports only one rule at a time.

## Contents

### ruleType

The type of rule.

Type: String

Valid Values: CONTENT\_BLOCKER\_RULE | CONTENT\_RETRIEVAL\_RULE

Required: Yes

### excludedUsersAndGroups

Users and groups to be excluded from a rule.

Type: [UsersAndGroups](#) object

Required: No

### includedUsersAndGroups

Users and groups to be included in a rule.

Type: [UsersAndGroups](#) object

Required: No

### ruleConfiguration

The configuration information for a rule.

Type: [RuleConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# RuleConfiguration

Service: QBusiness

Provides configuration information about a rule.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### contentBlockerRule

A rule for configuring how Amazon Q Business responds when it encounters a blocked topic.

Type: [ContentBlockerRule](#) object

Required: No

### contentRetrievalRule

Rules for retrieving content from data sources connected to a Amazon Q Business application for a specific topic control configuration.

Type: [ContentRetrievalRule](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# S3

Service: QBusiness

Information required for Amazon Q Business to find a specific file in an Amazon S3 bucket.

## Contents

### bucket

The name of the S3 bucket that contains the file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `^[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9]$`

Required: Yes

### key

The name of the file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# SamlConfiguration

Service: QBusiness

Provides the SAML 2.0 compliant identity provider (IdP) configuration information Amazon Q Business needs to deploy a Amazon Q Business web experience.

## Contents

### metadataXML

The metadata XML that your IdP generated.

Type: String

Length Constraints: Minimum length of 1000. Maximum length of 10000000.

Pattern: `^\.*$`

Required: Yes

### roleArn

The Amazon Resource Name (ARN) of an IAM role assumed by users when they authenticate into their Amazon Q Business web experience, containing the relevant Amazon Q Business permissions for conversing with Amazon Q Business.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1284.

Pattern: `^arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}$`

Required: Yes

### userIdAttribute

The user attribute name in your IdP that maps to the user email.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes



## userGroupAttribute

The group attribute name in your IdP that maps to user groups.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# SnippetExcerpt

Service: QBusiness

Contains the relevant text excerpt from a source that was used to generate a citation text segment in an Amazon Q Business chat response.

## Contents

### text

The relevant text excerpt from a source that was used to generate a citation text segment in an Amazon Q chat response.

Type: String

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# SourceAttribution

Service: QBusiness

The documents used to generate an Amazon Q Business web experience response.

## Contents

### **citationNumber**

The number attached to a citation in an Amazon Q Business generated response.

Type: Integer

Required: No

### **snippet**

The content extract from the document on which the generated response is based.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

### **textMessageSegments**

A text extract from a source document that is used for source attribution.

Type: Array of [TextSegment](#) objects

Required: No

### **title**

The title of the document which is the source for the Amazon Q Business generated response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

### **updatedAt**

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

Required: No

### **url**

The URL of the document which is the source for the Amazon Q Business generated response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# StringAttributeBoostingConfiguration

Service: QBusiness

Provides information on boosting STRING type document attributes.

## Note

For STRING and STRING\_LIST type document attributes to be used for boosting on the console and the API, they must be enabled for search using the [DocumentAttributeConfiguration](#) object of the [UpdateIndex](#) API. If you haven't enabled searching on these attributes, you can't boost attributes of these data types on either the console or the API.

For more information on how boosting document attributes work in Amazon Q Business, see [Boosting using document attributes](#).

## Contents

### **boostingLevel**

Specifies 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

Service: QBusiness

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

Service: QBusiness

A list of key/value pairs that identify an index, FAQ, or data source. Tag keys and values can consist of Unicode letters, digits, white space, and any of the following symbols: \_ . : / = + - @.

## Contents

### key

The key for the tag. Keys are not case sensitive and must be unique for the Amazon Q Business application or data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

### value

The value associated with the tag. The value may be an empty string but it can't be null.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# TextDocumentStatistics

Service: QBusiness

Provides information about text documents in an index.

## Contents

### indexedTextBytes

The total size, in bytes, of the indexed documents.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### indexedTextDocumentCount

The number of text documents indexed.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TextInputEvent

Service: QBusiness

An input event for a end user message in an Amazon Q Business web experience.

## Contents

### userMessage

A user message in a text message input event.

Type: String

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

Service: QBusiness

An output event for an AI-generated response in an Amazon Q Business web experience.

## Contents

### **conversationId**

The identifier of the conversation with which the text output event is associated.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### **systemMessage**

An AI-generated message in a TextOutputEvent.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

### **systemMessageId**

The identifier of an AI-generated message in a TextOutputEvent.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### **userMessageId**

The identifier of an end user message in a TextOutputEvent.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TextSegment

Service: QBusiness

Provides information about a text extract in a chat response that can be attributed to a source document.

## Contents

### beginOffset

The zero-based location in the response string where the source attribution starts.

Type: Integer

Required: No

### endOffset

The zero-based location in the response string where the source attribution ends.

Type: Integer

Required: No

### 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

Service: QBusiness

The topic specific controls configured for an Amazon Q Business application.

## Contents

### name

A name for your topic control configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{0,35}$`

Required: Yes

### rules

Rules defined for a topic configuration.

Type: Array of [Rule](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: Yes

### description

A description for your topic control configuration. Use this to outline how the large language model (LLM) should use this topic control configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `^\P{C}*$`

Required: No

### exampleChatMessages

A list of example phrases that you expect the end user to use in relation to the topic.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `^\P{C}*$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserAlias

Service: QBusiness

Aliases attached to a user id within an Amazon Q Business application.

## Contents

### userId

The identifier of the user id associated with the user aliases.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

### dataSourceId

The identifier of the data source that the user aliases are associated with.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

### indexId

The identifier of the index that the user aliases are associated with.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]{35}$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:



- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UsersAndGroups

Service: QBusiness

Provides information about users and 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

Service: QBusiness

The input failed to meet the constraints specified by Amazon Q Business in a specified field.

## Contents

### message

A message about the validation exception.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

### name

The field name where the invalid entry was detected.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# WebExperience

Service: QBusiness

Provides information for an Amazon Q Business web experience.

## Contents

### **createdAt**

The Unix timestamp when the Amazon Q Business application was last updated.

Type: Timestamp

Required: No

### **defaultEndpoint**

The endpoint URLs for your Amazon Q Business web experience. The URLs are unique and fully hosted by AWS.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^(https?|ftp|file):\/\/([^\s]*)$`

Required: No

### **status**

The status of your Amazon Q Business web experience.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED | PENDING\_AUTH\_CONFIG

Required: No

### **updatedAt**

The Unix timestamp when your Amazon Q Business web experience was updated.

Type: Timestamp

Required: No

## **webExperienceId**

The identifier of your Amazon Q Business web experience.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-zA-Z0-9][a-zA-Z0-9-]*$`

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# WebExperienceAuthConfiguration

Service: QBusiness

Provides the authorization configuration information needed to deploy a Amazon Q Business web experience to end users.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

## samlConfiguration

Provides the SAML 2.0 compliant identity provider (IdP) configuration information Amazon Q Business needs to deploy a Amazon Q Business web experience.

Type: [SamlConfiguration](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## QApps

The following data types are supported by QApps:

- [AppDefinition](#)
- [AppDefinitionInput](#)

- [AttributeFilter](#)
- [Card](#)
- [CardInput](#)
- [CardStatus](#)
- [CardValue](#)
- [Category](#)
- [ConversationMessage](#)
- [DocumentAttribute](#)
- [DocumentAttributeValue](#)
- [FileUploadCard](#)
- [FileUploadCardInput](#)
- [LibraryItemMember](#)
- [PredictAppDefinition](#)
- [PredictQAppInputOptions](#)
- [QPluginCard](#)
- [QPluginCardInput](#)
- [QQueryCard](#)
- [QQueryCardInput](#)
- [TextInputCard](#)
- [TextInputCardInput](#)
- [UserAppItem](#)

# AppDefinition

Service: QApps

The definition of the Q App, specifying the cards and flow.

## Contents

### appDefinitionVersion

The version of the app definition schema or specification.

Type: String

Required: Yes

### cards

The cards that make up the Q App, such as text input, file upload, or query cards.

Type: Array of [Card](#) objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: Yes

### canEdit

A flag indicating whether the Q App's definition can be edited by the user.

Type: Boolean

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# AppDefinitionInput

Service: QApps

The input for defining an Q App.

## Contents

### cards

The cards that make up the Q App definition.

Type: Array of [CardInput](#) objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: Yes

### initialPrompt

The initial prompt displayed when the Q App is started.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# AttributeFilter

Service: QApps

The filter criteria used on responses based on document attributes or metadata fields.

## Contents

### andAllFilters

Performs a logical AND operation on all supplied filters.

Type: Array of [AttributeFilter](#) objects

Required: No

### containsAll

Returns `true` when a document contains all the specified document attributes or metadata fields. Supported for the following [document attribute value types](#): `stringListValue`.

Type: [DocumentAttribute](#) object

Required: No

### containsAny

Returns `true` when a document contains any of the specified document attributes or metadata fields. Supported for the following [document attribute value types](#): `stringListValue`.

Type: [DocumentAttribute](#) object

Required: No

### equalsTo

Performs an *equals* operation on two document attributes or metadata fields. Supported for the following [document attribute value types](#): `dateValue`, `longValue`, `stringListValue` and `stringValue`.

Type: [DocumentAttribute](#) object

Required: No

## greaterThan

Performs a *greater than* operation on two document attributes or metadata fields. Supported for the following [document attribute value types](#): dateValue and longValue.

Type: [DocumentAttribute](#) object

Required: No

## greaterThanOrEquals

Performs a *greater than or equals* operation on two document attributes or metadata fields. Supported for the following [document attribute value types](#): dateValue and longValue.

Type: [DocumentAttribute](#) object

Required: No

## lessThan

Performs a *less than* operation on two document attributes or metadata fields. Supported for the following [document attribute value types](#): dateValue and longValue.

Type: [DocumentAttribute](#) object

Required: No

## lessThanOrEquals

Performs a *less than or equals* operation on two document attributes or metadata fields. Supported for the following [document attribute value type](#): dateValue and longValue.

Type: [DocumentAttribute](#) object

Required: No

## notFilter

Performs a logical NOT operation on all supplied filters.

Type: [AttributeFilter](#) object

Required: No

## orAllFilters

Performs a logical OR operation on all supplied filters.

Type: Array of [AttributeFilter](#) objects

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Card

Service: QApps

A card representing a component or step in an Amazon Q App's flow.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### fileUpload

A container for the properties of the file upload card.

Type: [FileUploadCard](#) object

Required: No

### qPlugin

A container for the properties of the plugin card.

Type: [QPluginCard](#) object

Required: No

### qQuery

A container for the properties of the query card.

Type: [QQueryCard](#) object

Required: No

### textInput

A container for the properties of the text input card.

Type: [TextInputCard](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CardInput

Service: QApps

The properties defining an input card in an Amazon Q App.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### fileUpload

A container for the properties of the file upload input card.

Type: [FileUploadCardInput](#) object

Required: No

### qPlugin

A container for the properties of the plugin input card.

Type: [QPluginCardInput](#) object

Required: No

### qQuery

A container for the properties of the query input card.

Type: [QQueryCardInput](#) object

Required: No

### textInput

A container for the properties of the text input card.

Type: [TextInputCardInput](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# CardStatus

Service: QApps

The current status and value of a card in an active Amazon Q App session.

## Contents

### currentState

The current state of the card.

Type: String

Valid Values: IN\_PROGRESS | WAITING | COMPLETED

Required: Yes

### currentValue

The current value or result associated with the card.

Type: String

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CardValue

Service: QApps

The value or result associated with a card in a Amazon Q App session.

## Contents

### cardId

The unique identifier of the card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### value

The value or result associated with the card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 5000.

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](#)

# Category

Service: QApps

A category used to classify and filter library items for Amazon Q Apps.

## Contents

### id

The unique identifier of the category.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

Required: Yes

### title

The title or name of the category.

Type: String

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ConversationMessage

Service: QApps

A message in a conversation, used as input for generating an Amazon Q App definition.

## Contents

### body

The text content of the conversation message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 7000.

Required: Yes

### type

The type of the conversation message.

Type: String

Valid Values: USER | SYSTEM

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# DocumentAttribute

Service: QApps

A document attribute or metadata field.

## Contents

### name

The identifier for the attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `[a-zA-Z0-9_][a-zA-Z0-9_-]*`

Required: Yes

### value

The value of the attribute.

Type: [DocumentAttributeValue](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# DocumentAttributeValue

Service: QApps

The value of a document attribute. You can only provide one value for a document attribute.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### dateValue

A date expressed as an ISO 8601 string.

It's important for the time zone to be included in the *ISO 8601 date-time* format. For example, 2012-03-25T12:30:10+01:00 is the ISO 8601 date-time format for March 25th 2012 at 12:30PM (plus 10 seconds) in Central European Time.

Type: Timestamp

Required: No

### longValue

A long integer value.

Type: Long

Required: No

### stringListValue

A list of strings.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

## stringValue

A string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# FileUploadCard

Service: QApps

A card in an Amazon Q App that allows the user to upload a file.

## Contents

### dependencies

Any dependencies or requirements for the file upload card.

Type: Array of strings

Required: Yes

### id

The unique identifier of the file upload card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### title

The title of the file upload card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### type

The type of the card.

Type: String

Valid Values: `text-input` | `q-query` | `file-upload` | `q-plugin`

Required: Yes



**allowOverride**

A flag indicating if the user can override the default file for the upload card.

Type: Boolean

Required: No

**fileId**

The unique identifier of the file associated with the card.

Type: String

Required: No

**filename**

The name of the file being uploaded.

Type: String

Required: No

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# FileUploadCardInput

Service: QApps

Represents a file upload card. It can optionally receive a `filename` and `fileId` to set a default file. If not received, the user must provide the file when the Q App runs.

## Contents

### id

The unique identifier of the file upload card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### title

The title or label of the file upload card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### type

The type of the card.

Type: String

Valid Values: `text-input` | `q-query` | `file-upload` | `q-plugin`

Required: Yes

### allowOverride

A flag indicating if the user can override the default file for the upload card.

Type: Boolean

Required: No

**fileId**

The identifier of a pre-uploaded file associated with the card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: No

**filename**

The default filename to use for the file upload card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# LibraryItemMember

Service: QApps

A library item is a snapshot of an Amazon Q App that can be published so the users in their Amazon Q Apps library can discover it, clone it, and run it.

## Contents

### appId

The unique identifier of the Q App associated with the library item.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### appVersion

The version of the Q App associated with the library item.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

### categories

The categories associated with the library item.

Type: Array of [Category](#) objects

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Required: Yes

### createdAt

The date and time the library item was created.

Type: Timestamp

Required: Yes

**createdBy**

The user who created the library item.

Type: String

Required: Yes

**libraryItemId**

The unique identifier of the library item.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

Required: Yes

**ratingCount**

The number of ratings the library item has received.

Type: Integer

Required: Yes

**status**

The status of the library item.

Type: String

Required: Yes

**isRatedByUser**

Whether the current user has rated the library item.

Type: Boolean

Required: No

**updatedAt**

The date and time the library item was last updated.

Type: Timestamp

Required: No

**updatedBy**

The user who last updated the library item.

Type: String

Required: No

**userCount**

The number of users who have the associated Q App.

Type: Integer

Required: No

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PredictAppDefinition

Service: QApps

The definition of an Amazon Q App generated based on input such as a conversation or problem statement.

## Contents

### appDefinition

The definition specifying the cards and flow of the generated Q App.

Type: [AppDefinitionInput](#) object

Required: Yes

### title

The title of the generated Q App definition.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### description

The description of the generated Q App definition.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)



# PredictQAppInputOptions

Service: QApps

The input options for generating an Q App definition.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### conversation

A conversation to use as input for generating the Q App definition.

Type: Array of [ConversationMessage](#) objects

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Required: No

### problemStatement

A problem statement to use as input for generating the Q App definition.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# QPluginCard

Service: QApps

A card in an Q App that integrates with a third-party plugin or service.

## Contents

### dependencies

Any dependencies or requirements for the plugin card.

Type: Array of strings

Required: Yes

### id

The unique identifier of the plugin card.

Type: String

Pattern: [\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}

Required: Yes

### pluginId

The unique identifier of the plugin used by the card.

Type: String

Required: Yes

### pluginType

The type or category of the plugin used by the card.

Type: String

Valid Values: SERVICE\_NOW | SALESFORCE | JIRA | ZENDESK | CUSTOM

Required: Yes

### prompt

The prompt or instructions displayed for the plugin card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 7000.

Required: Yes

### **title**

The title or label of the plugin card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### **type**

The type of the card.

Type: String

Valid Values: `text-input` | `q-query` | `file-upload` | `q-plugin`

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](#)

# QPluginCardInput

Service: QApps

The input shape for defining a plugin card in an Amazon Q App.

## Contents

### id

The unique identifier of the plugin card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### pluginId

The unique identifier of the plugin used by the card.

Type: String

Length Constraints: Fixed length of 36.

Required: Yes

### prompt

The prompt or instructions displayed for the plugin card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 7000.

Required: Yes

### title

The title or label of the plugin card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### **type**

The type of the card.

Type: String

Valid Values: `text-input` | `q-query` | `file-upload` | `q-plugin`

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](#)

# QQueryCard

Service: QApps

A card in a Amazon Q App that generates a response based on the Amazon Q Business service.

## Contents

### dependencies

Any dependencies or requirements for the query card.

Type: Array of strings

Required: Yes

### id

The unique identifier of the query card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### outputSource

The source or type of output generated by the query card.

Type: String

Valid Values: `approved-sources` | `llm`

Required: Yes

### prompt

The prompt or instructions displayed for the query card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 7000.

Required: Yes

**title**

The title or label of the query card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

**type**

The type of the card.

Type: String

Valid Values: `text-input` | `q-query` | `file-upload` | `q-plugin`

Required: Yes

**attributeFilter**

The Amazon Q Business filters applied in this query card when resolving data sources

Type: [AttributeFilter](#) 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](#)



# QQueryCardInput

Service: QApps

The input shape for defining a query card in an Amazon Q App.

## Contents

### id

The unique identifier of the query card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### prompt

The prompt or instructions displayed for the query card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 7000.

Required: Yes

### title

The title or label of the query card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### type

The type of the card.

Type: String

Valid Values: `text-input` | `q-query` | `file-upload` | `q-plugin`

Required: Yes

### **attributeFilter**

Turns on filtering of responses based on document attributes or metadata fields.

Type: [AttributeFilter](#) object

Required: No

### **outputSource**

The source or type of output to generate for the query card.

Type: String

Valid Values: approved-sources | 11m

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TextInputCard

Service: QApps

A card in an Amazon Q App that allows the user to input text.

## Contents

### dependencies

Any dependencies or requirements for the text input card.

Type: Array of strings

Required: Yes

### id

The unique identifier of the text input card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### title

The title or label of the text input card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### type

The type of the card.

Type: String

Valid Values: `text-input` | `q-query` | `file-upload` | `q-plugin`

Required: Yes

**defaultValue**

The default value to pre-populate in the text input field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

**placeholder**

The placeholder text to display in the text input field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TextInputCardInput

Service: QApps

The input shape for defining a text input card in an Amazon Q App.

## Contents

### id

The unique identifier of the text input card.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### title

The title or label of the text input card.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### type

The type of the card.

Type: String

Valid Values: `text-input` | `q-query` | `file-upload` | `q-plugin`

Required: Yes

### defaultValue

The default value to pre-populate in the text input field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **placeholder**

The placeholder text to display in the text input field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserAppItem

Service: QApps

An Amazon Q App associated with a user, either owned by the user or favorited.

## Contents

### appArn

The Amazon Resource Name (ARN) of the Q App.

Type: String

Required: Yes

### appId

The unique identifier of the Q App.

Type: String

Pattern: `[\da-f]{8}-[\da-f]{4}-4[\da-f]{3}-[89ABab][\da-f]{3}-[\da-f]{12}`

Required: Yes

### createdAt

The date and time the user's association with the Q App was created.

Type: Timestamp

Required: Yes

### title

The title of the Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: Yes

### canEdit

A flag indicating whether the user can edit the Q App.

Type: Boolean

Required: No

### **description**

The description of the Q App.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **status**

The status of the user's association with the Q App.

Type: String

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

## Action

The action to be performed.

Type: string

Required: Yes

## Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

## X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

### **X-Amz-Date**

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

### **X-Amz-Security-Token**

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

### **X-Amz-Signature**

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

# Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request is expired

HTTP Status Code: 403

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 403

## **InternalFailure**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## **MalformedHttpRequestException**

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 401

## **OptInRequired**

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

### **RequestAbortedException**

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

### **RequestEntityTooLargeException**

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

### **RequestExpired**

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

### **RequestTimeoutException**

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

### **ServiceUnavailable**

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **UnrecognizedClientException**

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

## **UnknownOperationException**

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

## **ValidationError**

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400