



IBM MQ Adapter for SAP Integration Suite

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1 IBM MQ Introduction

1.1 Objective

This is the official guide for the IBM MQ Adapter for SAP Integration Suite. This guide covers all relevant information for integration developers to start working with the IBM MQ adapter. Read this guide carefully before using the Adapter.

1.2 Coding Samples

Any software coding and/or code lines/strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules of certain coding. The correctness and completeness of the Code given herein are not guaranteed.

1.3 Internet Hyperlinks

The documentation may contain hyperlinks to the Internet. These hyperlinks are intended to serve as a hint about where to find related information. The availability and the correctness of this related information or the ability of this information to serve a particular purpose are not warranted.

1.4 Overview

IBM MQ is a secure and reliable messaging tool that helps different applications, systems, services, and files communicate with each other by sending messages through queues. It makes it easier and faster to connect various applications and share business data across different platforms.

1.5 Features

- Supports **multiple API versions** for connecting to the IBM MQ server.
- Supports IBM MQ **on-premise** and **cloud**.
- Allows reading with the sender adapter and **reading, deleting,** and **writing** with the receiver adapter.
- Allows multiple **post-processing** options.
- Provides secure authentication alternatives with **basic** and **token-based** authentication.
- Allows **dynamic value assignment** using exchange headers and properties.

2 Installation and Configuration

This section details the file(s) available as part of the installation package and the prerequisites to configure the IBM MQ adapter.

2.1 IBM MQ Adapter Installation on Cloud Foundry

Before the adapter can be used in the Cloud Foundry environment, it must be deployed to the SAP Integration Suite tenant.

2.1.1 Prerequisites

To deploy the IBM MQ adapter, you must have access to the *SAP Integration Suite* license.

2.1.2 Procedure

You can deploy the adapter using the following methods:






The following installation procedure is compatible with Apache Camel 2, Apache Camel 3, and Edge Integration Cell (EIC) platform.

2.1.3 Adapter Installation by creating a New Integration Flow


The IBM MQ adapter is available for selection in the receiver adapter list and can be deployed in the **Design** tab directly as you use it in an Integration flow.

To use the adapter in the Integration flow, follow these steps:

1. Go to **Design** workspace and select the integration package where you want to create a new Integration flow.
2. Click **Edit** to make the package editable.
3. Go to the **Artifacts** tab. Click **Add** and select **Integration Flow**.
4. Enter **Name** and ID for your flow. Additionally, select **Runtime Profile** from the drop-down and choose Sender and Receiver systems from the list . Finally, click **Add** to create the integration flow.
5. Go to the newly created integration flow and click **Edit** to make it editable.
 - i. For the Sender, in the integration flow add a **Connector**  between the **Sender box** and the **Start**.

- ii. For the Receiver, in the integration flow, click **End** to add a **Connector**  between the **End** and the **Receiver Box**.
6. A drop-down with the available adapters appears. The **IBM MQ** adapter should show up in the list.
7. Select the **IBM MQ** adapter from the list. The adapter is now imported which *triggers* an adapter deployment. Once IBM MQ Adapter is deployed, a success message is displayed.
After the above steps are done, the IBM MQ Adapter is successfully deployed in your Design workspace of the SAP Integration Suite tenant.

2.1.4 Adapter Installation without Creating a New Integration Flow

 The following procedure explains how the IBM MQ adapter is migrated from the Discover workspace to the Design workspace of the SAP Integration tenant.

This method is useful for scenarios where integration flow packages are migrated from development to a higher environment such as Production.

The IBM MQ adapter can be imported into the Design workspace without creating an integration flow. Use the Transport Management Service (TMS) to import/transport the IBM MQ adapter to a higher environment. Alternatively, If the TMS is not available in the landscape, the adapter package can be imported to the Design workspace by copying it from the Discover workspace.

To copy the integration package from the Discover workspace and import the IBM MQ adapter to the Design workspace, follow these steps:

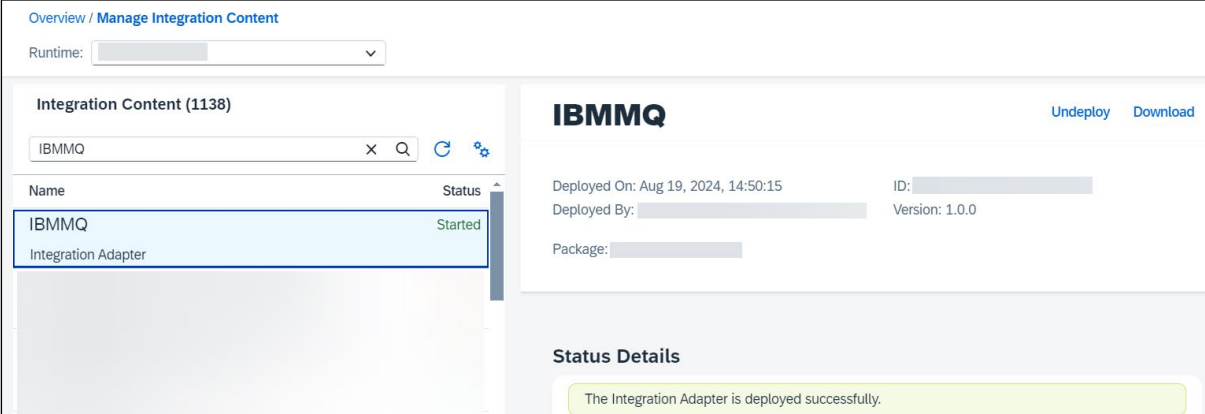
1. Go to **Discover** workspace.
2. In the search box, search for **IBM MQ adapter for SAP Integration Suite** package.
3. Select the package and click **Copy**. This copies the package from the **Discover** workspace to the **Design** workspace.
4. Go to Design workspace and select the copied **IBM MQ adapter for SAP Integration Suite** package.
5. In the **Actions** tab of the selected package, click **Deploy**. This completes the adapter deployment to the Design workspace.

2.2 Monitor the Deployment Status

After the adapter deployment is complete, you can check the status in the Monitor section.

To check the status of the deployed adapter:

1. Under the **Monitor tab**, click **Integrations and APIs**. This opens the **Overview** page.
2. On the **Overview** page, go to **Manage Integration Content** section and click **All**. This opens **Integration Content** page with a list of all the deployed adapters.
3. Here, you can check and confirm the deployment status of your adapter.



The screenshot displays the 'Integration Content (1138)' management page. On the left, a table lists the deployed adapters. The 'IBM MQ' adapter is highlighted, showing its status as 'Started'. On the right, the details for the 'IBM MQ' adapter are shown, including deployment information and a success message.

Name	Status
IBM MQ Integration Adapter	Started

IBM MQ [Undeploy](#) [Download](#)

Deployed On: Aug 19, 2024, 14:50:15 ID: [redacted]
Deployed By: [redacted] Version: 1.0.0
Package: [redacted]

Status Details

The Integration Adapter is deployed successfully.

3 Getting Started: IBM MQ Adapter

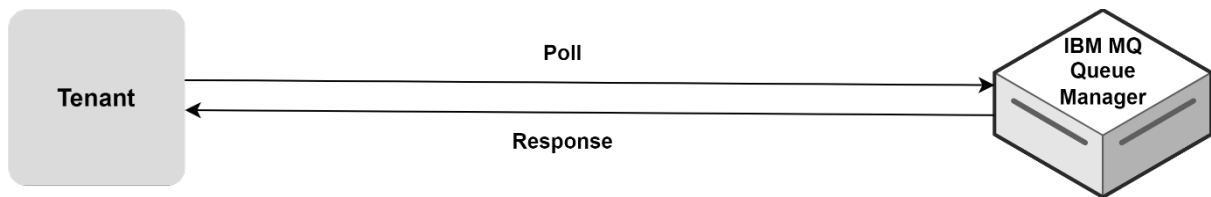
This section explains how to configure the IBM MQ adapter for SAP Integration Suite. You can find information about adapter architecture, application configuration, authentication, and supported versions for IBM MQ Adapter.

3.1 Architecture Overview

The IBM MQ adapter is designed to function as both, a sender and receiver adapter.

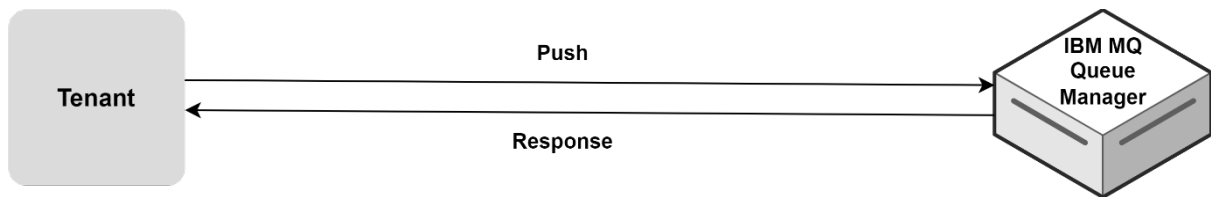
3.1.1 Sender Adapter

The IBM MQ Sender adapter (as the name suggests) is designed to function as a sender adapter. In such a scenario where the adapter is used as a sender adapter, IBM MQ acts as the initiator of the calls.



3.1.2 Receiver Adapter

The IBM MQ Receiver adapter (as the name suggests) is designed to function as a receiver adapter. In such a scenario where the IBM MQ Adapter is used as a receiver adapter, SAP Integration Suite acts as the initiator of the calls.



3.2 Application Configuration

To set up the application configuration in IBM MQ, see the [IBM MQ installation overview](#) and [Configuring the user accounts for IBM MQ](#).

3.3 Authentication

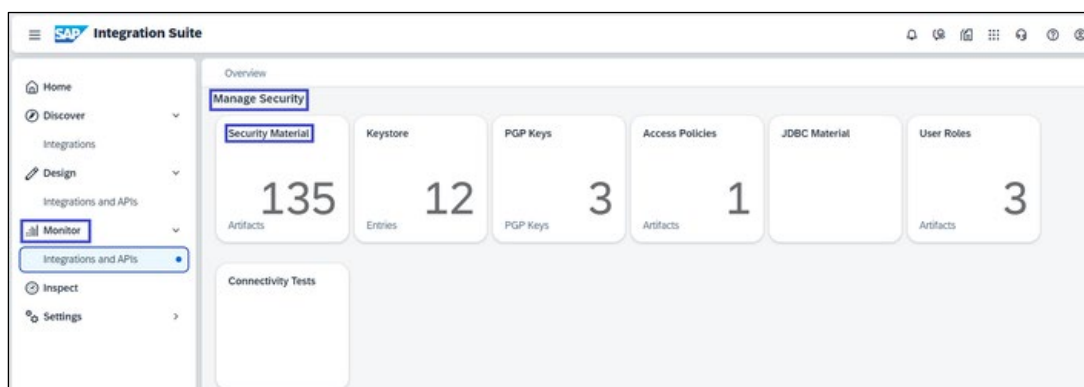
This section details the authentication mechanism supported by the IBM MQ Adapter in SAP Integration Suite.

The IBM MQ adapter supports standard security artifacts like **User Credentials**, securely stored within the SAP Secure Store. These security artifacts can then be accessed in the adapter using aliases. This ensures that credentials can be safely provided to the Adapter. Before setting up the authentication, you must create the Credentials in **Security Material** in the SAP Integration Suite.

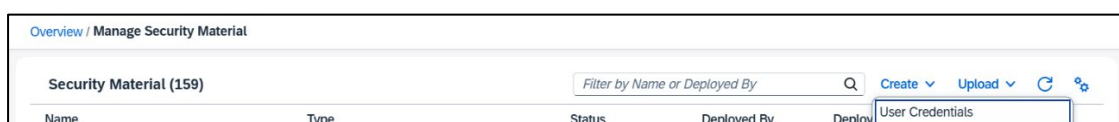
3.3.1 Creating Credentials in Security Material

The creation of credentials to support the authentication mechanism can be done by the steps below:

1. In SAP Integration Suite, navigate to **Monitor > Integrations and APIs**. This opens the **Overview** page.
2. On the **Overview** page, go to **Manage Security** section and click **Security Material**.



3. On **Manage Security Material** page, click **Create** to select **User Credentials** from the dropdown.



4. In the **Create User Credentials** popup, provide the below details.

Parameter	Description
Name	Specify the name for the security artifact. The artifact name is used as an alias for the confidential data assigned by this parameter.
Description	Enter a description for the artifact (optional).
Type	Select User Credentials if creating credentials for IBM MQ. This allows you to configure a specific system to enable a connection with your integration flow artifact.
User	Specify the username used to invoke the receiver system.
Password	Specify password against which the user has to be authenticated.

5. Click **Deploy** to complete the process.

When you refresh the **Manage Security Material** page, the new artifact is displayed (with Type **Credentials**) in the artifact table.

3.4 Supported version

The supported API versions are listed below.

- V1
- V2
- V3

4 IBM MQ Adapter Configuration

This section describes the parameters to be configured for your IBM MQ adapter. You need to configure the **General**, **Connection** and **Processing** tabs. A description and example usage for every field has been added.

4.1 Sender Adapter

In this section, you will learn how to configure the IBM MQ sender adapter. On selecting the IBM MQ adapter from the list of adapters, you must configure the **General**, **Connection**, and **Processing** tabs.

4.1.1 General

The General tab provides an overview of basic adapter information including **Channel** and **Adapter** details. Only the Name and Description fields are editable.

The screenshot shows the configuration interface for the IBM MQ adapter. At the top, there are three tabs: 'General' (selected), 'Connection', and 'Processing'. Below the tabs, there is a 'Name' field containing 'IBMMQ'. The interface is divided into two main sections: 'CHANNEL DETAILS' and 'ADAPTER DETAILS'. Under 'CHANNEL DETAILS', there are fields for 'Direction' (Sender), 'System' (Sender), and 'Description' (empty). Under 'ADAPTER DETAILS', there are fields for 'Adapter Type' (IBMMQ), 'Transport Protocol' (HTTPS), and 'Message Protocol' (REST). The interface also includes an 'Externalize' button and a help icon.

Parameter	Description
Name	Name of the adapter flow
Description	Description of the adapter

4.1.2 Connection

The Connection tab contains connection and authentication parameters for IBM MQ.

Using Credentials

The Security artifact created in the previous section ([Creating Credentials in Security Material](#)) should be used in the **Connection tab** of the Adapter as shown in the Figure below.

The screenshot shows the 'Connection' tab of the IBM MQ configuration interface. It features a 'CONNECTION DETAILS' section with the following fields:

- Address:** A text input field with a red asterisk indicating it is required.
- Authentication:** A dropdown menu currently set to 'Basic'.
- Credential Name:** A text input field with a red asterisk indicating it is required.
- Proxy Type:** A dropdown menu currently set to 'Internet'.
- Polling Interval (in ms):** A text input field containing the value '60000'.
- Reuse connection:** An unchecked checkbox.
- Connection Timeout (in ms):** A text input field containing the value '60000'.
- Response Timeout (in ms):** A text input field containing the value '60000'.



The connection tab contains the following fields:

Parameter	Description
Address	Specify the address of the IBM MQ endpoints. Example: https://web-{hostname}
Authentication	Select the type of authentication for connecting to the IBM MQ: <ul style="list-style-type: none"> • Basic • Token-Based
Credential Name	Specify the alias that refers to the user credentials (username-password pair).
Proxy Type	Select the proxy type: <ul style="list-style-type: none"> • Internet • On-Premise
Polling Interval (in ms)	Specify the polling interval in milliseconds to retrieve the messages.
Location ID	Specify the Location ID from the Cloud Connector.
Reuse connection	Enable this property if you want to reuse the connection.
Connection Timeout (in ms)	Specify the maximum waiting time (in milliseconds) for the connection to be established.
Response Timeout (in ms)	Specify the maximum waiting time (in milliseconds) for a response message to be received.

4.1.3 Processing

The Processing tab lists all the operations that can be performed on the database through the adapter.

Parameter	Description
PROCESSING DETAILS	
API Version	Select an API Version.
Queue Manager Name	Specify the name of the queue manager to connect to for messaging.
Queue Name	Specify the name of the queue from where the message is read.
Processing Mode	<p>Select the action to be performed after processing the message in the queue:</p> <ul style="list-style-type: none"> • Delete Message after iFlow Execution: Deletes the message from the queue once the iFlow is executed. In case of iFlow failure, the message may either be retained (not deleted) or moved to the dead letter queue, removing it from the main queue for further action. • Keep Message and Process Again: Retrieves the first available message from the queue but leaves it in the queue for potential reprocessing. • Read and Delete Message: Reads and deletes the message from the queue after processing, with the maximum number of messages per node specified.

Parameter	Description
Behavior on Failure	Select the behavior on iFlow failure: <ul style="list-style-type: none"> • Move to Dead Letter Queue • Do Not Delete
Max Number of Messages Per Node	Specify the maximum number of messages to be retrieved per node. <p> The possible values are 1-5000.</p>
Max Number of Messages	Specify the maximum number of messages to be retrieved per poll. <p> The possible values are 1-5000.</p>
Dead Letter Queue Name	Specify the name of the Dead Letter Queue to which the message should be moved.
MQ CSRF Token	Specify the CSRF protection header. The value can be any valid string, including a blank string.
HEADERS DETAILS	
Request Headers	<p>Name: Specify the custom header name to be passed in the request to IBM MQ.</p> <p>Value: Specify the custom header value to be passed in the request to IBM MQ.</p>
Response Headers	Enter a list of headers coming from the target system's response, separated by a pipe (), to be received in the message. Use an asterisk(*) to receive all the headers from the target system, which is also the default value.

4.2 Receiver Adapter

In this section, you will learn how to configure the IBM MQ receiver adapter. On selecting the IBM MQ adapter from the list of adapters, you must configure the **General**, **Connection**, and **Processing** tabs.

4.2.1 General

The General tab provides an overview of basic adapter information including **Channel** and **Adapter** details. Only the Name and Description fields are editable.

The screenshot shows the IBM MQ configuration window with the 'General' tab selected. The 'Name' field contains 'IBMMQ'. Under 'CHANNEL DETAILS', 'Direction' is 'Receiver', 'System' is 'Receiver', and there is a 'Description' text area. Under 'ADAPTER DETAILS', 'Adapter Type' is 'IBMMQ', 'Transport Protocol' is 'HTTPS', and 'Message Protocol' is 'REST'.

Parameter	Description
Name	Name of the adapter flow
Description	Description of the adapter

4.2.2 Connection

The Connection tab contains connection and authentication parameters for IBM MQ.

Using Credentials

The Security artifact created in the previous section ([Creating Credentials in Security Material](#)) should be used in the **Connection tab** of the Adapter as shown in the Figure below.

The screenshot shows the 'Connection' tab of the IBM MQ configuration interface. It includes the following fields:


- Address:** A text input field with a red asterisk indicating it is required.
- Authentication:** A dropdown menu currently set to 'Token-Based'.
- Credential Name:** A text input field with a red asterisk indicating it is required.
- Proxy Type:** A dropdown menu currently set to 'On-Premise'.
- Location ID:** A text input field.
- Reuse connection:** An unchecked checkbox.
- Connection Timeout (in ms):** A text input field containing the value '60000'.
- Response Timeout (in ms):** A text input field containing the value '60000'.

The connection tab contains the following fields:

Parameter	Description
Address	Specify the address of the IBM MQ endpoints. Example: <code>https://web-{hostname}</code>
Authentication	Select the type of authentication for connecting to the IBM MQ: <ul style="list-style-type: none"> • Basic • Token-Based
Credential Name	Specify the alias that refers to the user credentials (username-password pair).
Proxy Type	Select the proxy type: <ul style="list-style-type: none"> • Internet • On-Premise
Location ID	Specify the Location ID from the Cloud Connector.
Reuse connection	Enable this property if you want to reuse the connection.
Connection Timeout (in ms)	Specify the maximum waiting time (in milliseconds) for the connection to be established.
Response Timeout (in ms)	Specify the maximum waiting time (in milliseconds) for a response message to be received.

4.2.3 Processing

The Processing tab lists all the operations that can be performed on the database through the adapter.

Parameter	Description
PROCESSING DETAILS	
Operation	Select the Operation to be performed.
API Version	Select an API Version.
Queue Manager Name	Specify the name of the queue manager to connect to for messaging.
Queue Name	Specify the name of the queue from where message is read.
Content Type	<p>Select the Parameter Content Type.</p> <ul style="list-style-type: none"> • Application/JSON • Application/XML • Text/HTML • Text/Plain • Text/XML <p> This field is editable and can be used for any other content types supported by IBM MQ.</p>
MQ CSRF Token	Specify the CSRF protection header. The value can be any valid string, including a blank string.

Parameter	Description
MQ Correlation ID	<p>Specify the correlation ID which is a 48 character hexadecimal encoded string, representing 24 bytes.</p> <p>Example: "414d5120514d4144455620202020202067d8bf5923582e02". In case of API Version V3, prefix hex-string with "ID:", for example "ID:414d5120514d4144455620202020202067d8bf5923582e02" or application-specific value can also be specified, for example "My-Custom-CorrelId". This sets the correlation ID of the created message.</p>
Message ID	Specify the message ID which is a 48 character hexadecimal encoded string, representing 24 bytes.
Message Expiry	Specify the maximum time to keep the message on the queue, in milliseconds (Limited to the range 0-99999999900). The default value is 'unlimited' which specifies that the message does not expire.
Message Persistence	Select the message persistence. The default value is 'nonPersistent' which specifies that the message does not survive system failures or queue manager restarts.
Reply Queue	Specify the reply-to destination for the created message. The format of the header uses the standard notation of supplying the reply-to queue and an optional queue manager: replyQueue[@replyQmgr].
Message Priority	Specify the message priority between the range 0-9. The default value is 'asDestination' which specifies that the message uses the priority specified in the DEFPRTY attribute of the underlying IBM MQ queue object.
User Properties	<p>Specify the user defined properties for the message in the format property_name; user_value; user_type. For multiple user properties use comma separator.</p> <p>Example: myA;5;byte,myB;-10;integer</p>
HEADERS DETAILS	
Request Headers	Enter a list of custom headers, separated by a pipe (), to send to the target system. By default, no custom headers are sent. Use an asterisk(*) to send all custom headers to the target system. Alternatively, you can dynamically pass on the values by defining a property that includes a list of headers.

Parameter	Description
Response Headers	Enter a list of headers coming from the target system's response, separated by a pipe (), to be received in the message. Use an asterisk(*) to receive all the headers from the target system, which is also the default value.

5 IBM MQ Supported Operations

This section lists and describes some of the operations supported by the IBM MQ adapter.

The response header **Status** provides the information about the operation, for example:



- **204 status code:** No messages are available in the queue; hence no content is retrieved.
- **201 status code:** The message is successfully created.

5.1 Sender Adapter

You can perform read operations with the sender adapter in IBM MQ.

IBMMQ Externalize ?

General Connection **Processing**

PROCESSING DETAILS

API Version: v3

Queue Manager Name: *

Queue Name: *

Processing Mode: Read and Delete Message

Max Number of Messages Per Node: 10

MQ CSRF Token:

Parameter	Values
PROCESSING DETAILS	
API Version	Select an API Version as v3.
Queue Manager Name	Specify the name of the queue manager.
Queue Name	Specify the name of the queue from where the message is read.
Processing Mode	Select the action to be performed after processing the message in the queue: Read and Delete Message
Max Number of Messages Per Node	Specify as 5000.
MQ CSRF Token	Specify the CSRF protection header. The value can be any valid string, including a blank string.

5.2 Receiver Adapter

The following operations support by the IBM MQ Receiver adapter.


5.2.1 Read

The Read operation allows a message to be retrieved from a queue without removing it. This means that the message remains in the queue and is still available to read.

The screenshot shows the 'Processing' tab of the IBM MQ Receiver Adapter configuration. Under 'PROCESSING DETAILS', the following fields are visible:

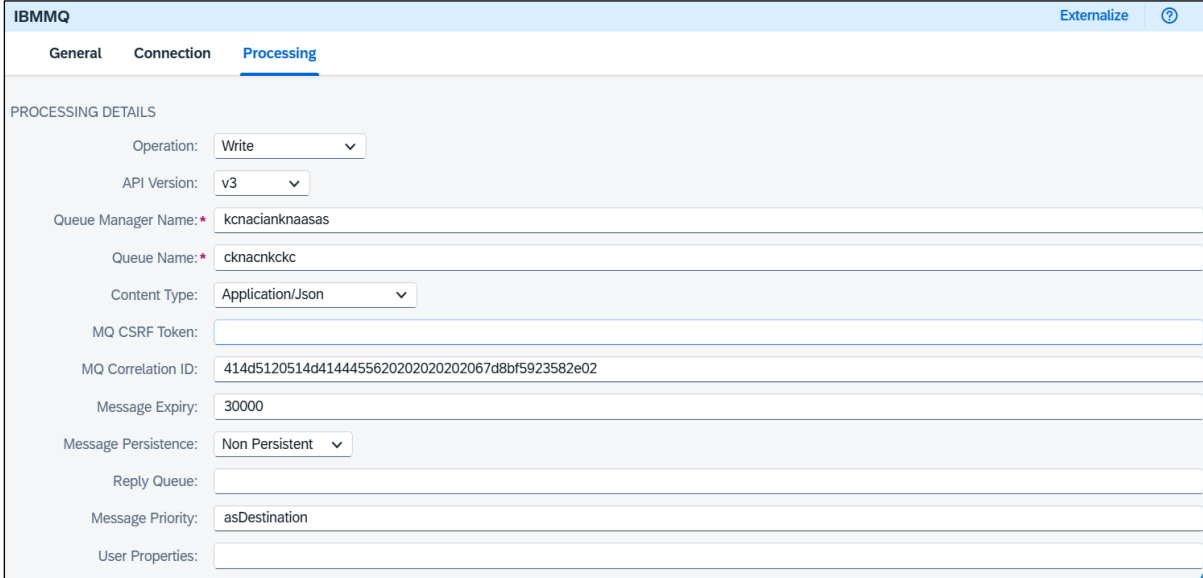
- Operation: Read (dropdown menu)
- API Version: v3 (dropdown menu)
- Queue Manager Name: * (text input field)
- Queue Name: * (text input field)
- MQ CSRF Token: (text input field)
- MQ Correlation ID: 414d5120514d4144455620202020202067d8bf5923582e02 (text input field)
- Message ID: 414d5120514d4144455620202020202067d8ce5923582f07 (text input field)

Parameter	Values
Operation	Select the Operation as <code>Read</code> .
API Version	Select an API Version as <code>v3</code> .
Queue Manager Name	Specify the name of the queue manager to connect to for messaging.
Queue Name	Specify the name of the queue from which the message will be read.
MQ CSRF Token	Specify the CSRF protection header. The value can be any value, including a blank string.
MQ Correlation ID	<p>Specify the correlation ID which is a 48 character hexadecimal encoded string, representing 24 bytes.</p> <p>Example "414d5120514d4144455620202020202067d8bf5923582e02".</p> <p>In case of API Version V3, prefix hex-string with "ID:". Example "ID:414d5120514d4144455620202020202067d8bf5923582e02".</p> <p>Or application-specific value can also be specified. Example "My-Custom-Correlld". This sets the correlation ID of the created message.</p>

Parameter	Values
Message ID	<p>Specify the maximum time to keep the message on the queue, in milliseconds (Limited to the range 0-99999999900).</p> <p> Default value is 'unlimited' which specifies that message does not expire.</p>

5.2.2 Write

This operation involves sending a message to a queue. The message is added to the end of the queue, making it available for subsequent retrieval.



The screenshot shows the 'Processing' tab in the IBM MQ console. The 'PROCESSING DETAILS' section contains the following fields:

- Operation: Write (dropdown)
- API Version: v3 (dropdown)
- Queue Manager Name: *kncianknaasas (text input)
- Queue Name: *cknacnkcc (text input)
- Content Type: Application/Json (dropdown)
- MQ CSRF Token: (text input)
- MQ Correlation ID: 414d5120514d41444556202020202067d8bf5923582e02 (text input)
- Message Expiry: 30000 (text input)
- Message Persistence: Non Persistent (dropdown)
- Reply Queue: (text input)
- Message Priority: asDestination (text input)
- User Properties: (text input)

Parameter	Values
Operation	Select the Operation as <code>Write</code> .
API Version	Select an API Version as <code>v3</code> .
Queue Manager Name	Specify the name of the queue manager to connect to for messaging.
Queue Name	Specify the name of the queue from which the message will be read.
Content Type	Select the Parameter content type.
MQ CSRF Token	Specify the CSRF protection header. The value can be any valid string, including a blank string.

Parameter	Values
MQ Correlation ID	<p>Specify the correlation ID which is a 48 character hexadecimal encoded string, representing 24 bytes.</p> <p>Example "414d5120514d4144455620202020202067d8bf5923582e02".</p> <p>In case of API Version V3, prefix hex-string with "ID:". Example "ID:414d5120514d4144455620202020202067d8bf5923582e02".</p> <p>Or application-specific value can also be specified. Example "My-Custom-Correlld". This sets the correlation ID of the created message.</p>
Message Expiry	<p>Specify the maximum time to keep the message on the queue, in milliseconds (Limited to the range 0-99999999900).</p> <p>Default value is 'unlimited' which specifies that message does not expire.</p>
Message Persistence	<p>Select the message persistence. Default value is 'nonPersistent' which specifies that message does not survive system failures or queue manager restarts.</p>
Reply Queue	<p>Specify the reply-to destination for the created message. The format of the header uses the standard notation of supplying the reply-to queue and an optional queue manager: replyQueue[@replyQmgr].</p>
Message Priority	<p>Specify the message priority between the range 0-9. Default value is 'asDestination' which specifies that the message uses the priority specified in the DEFPTY attribute of the underlying IBM MQ queue object.</p>
User Properties	<p>Specify the user defined properties for the message in the format property_name; user_value; user_type.</p> <p>For multiple user properties use comma separator e.g. myA;5;byte,myB;-10;integer.</p>

5.2.3 Delete

The Delete operation removes a message from the queue. Once deleted, the message is permanently removed from the queue and cannot be retrieved further.

The screenshot shows the IBM MQ console interface with the 'Processing' tab selected. Under 'PROCESSING DETAILS', the 'Operation' is set to 'Delete' and the 'API Version' is set to 'v3'. The 'Queue Manager Name' and 'Queue Name' fields are masked with grey boxes. The 'MQ CSRF Token' field is empty. The 'MQ Correlation ID' and 'Message ID' fields contain the hexadecimal string '414d5120514d4144455620202020202067d8bf5923582e02'.

Parameter	Values
Operation	Select the Operation as Delete.
API Version	Select an API Version as v3.
Queue Manager Name	Specify the name of the queue manager to connect to for messaging.
Queue Name	Specify the name of the queue from which the message will be read.
MQ CSRF Token	Specify the CSRF protection header. The value can be any valid string, including a blank string.
MQ Correlation ID	<p>Specify the correlation ID which is a 48 character hexadecimal encoded string, representing 24 bytes.</p> <p>Example "414d5120514d4144455620202020202067d8bf5923582e02".</p> <p>In case of API Version V3, prefix hex-string with "ID:". Example "ID:414d5120514d4144455620202020202067d8bf5923582e02".</p> <p>Or application-specific value can also be specified. Example "My-Custom-CorrelId". This sets the correlation ID of the created message.</p>
Message ID	Specify the message ID which is a 48 character hexadecimal encoded string, representing 24 bytes.

5.2.4 Read and Delete

The Read and Delete operation combines both retrieving and removing a message from the queue in one single operation. The message is fetched from the queue and then immediately deleted, ensuring that it cannot be read or consumed further.

The screenshot shows the IBM MQ console interface with the 'Processing' tab selected. Under 'PROCESSING DETAILS', the following fields are visible:

- Operation: Read and Delete (dropdown menu)
- API Version: v3 (dropdown menu)
- Queue Manager Name: * (text input field)
- Queue Name: * (text input field)
- MQ CSRF Token: (text input field)
- MQ Correlation ID: 414d5120514d41444556202020202067d8bf5923582e02 (text input field)
- Message ID: 414d5120514d41444556202020202067d8ce5923582f07 (text input field)

Parameter	Values
Operation	Select the Operation as Read and Delete.
API Version	Select an API Version as v3.
Queue Manager Name	Specify the name of the queue manager to connect to for messaging.
Queue Name	Specify the name of the queue from which the message will be read.
MQ CSRF Token	Specify the CSRF protection header. The value can be any valid string, including a blank string.
MQ Correlation ID	Specify the correlation ID which is a 48 character hexadecimal encoded string, representing 24 bytes. Example "414d5120514d41444556202020202067d8bf5923582e02". In case of API Version V3, prefix hex-string with "ID:". Example "ID:414d5120514d41444556202020202067d8bf5923582e02". Or application-specific value can also be specified. Example "My-Custom-CorrelId". This sets the correlation ID of the created message.
Message ID	Specify the message ID which is a 48 character hexadecimal encoded string, representing 24 bytes.