

# Message Queue (MQ) Service

## An integrated offering with Jitterbit's Harmony iPaaS

With the number of SaaS applications growing constantly, integration and automated workflows between these apps is also on the rise. But when transactions between these apps are happening in a synchronous mode (where both systems have to be available concurrently), it can lead to a potential loss of messages even with retry and other failsafe strategies.

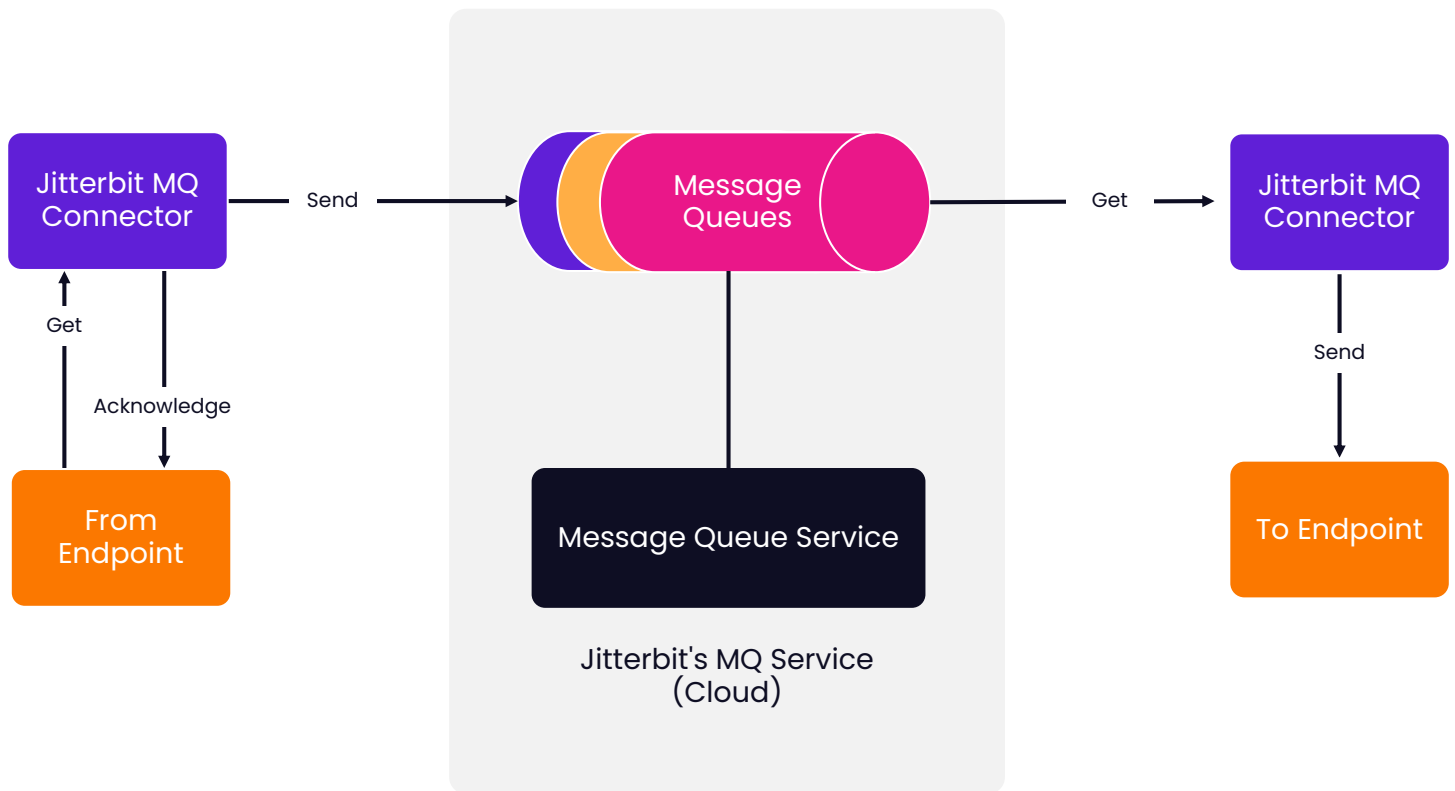
Transactions can fail because of unstable connectivity, network error, overload on one of the systems or if the system is being upgraded or is down with maintenance. A message queue can help overcome this problem. The message queue sits between the sending and the receiving applications, holds the incoming messages, and delivers them to the receiving system per instructions. But traditional message queue software is typically expensive, and resource intensive to configure and manage.

**Jitterbit's Message Queue Service** is a cloud-based, multi-tenant message queue service available on the Harmony Platform as a fully integrated offering. Jitterbit's Harmony iPaaS provides an easy way to create and manage message queues, takes away all the underlying complexity of configuring and managing the backend infrastructure for a message queue, and simplifies the management of complex, automated business workflows.

*Message Queue Service **extends the Harmony iPaaS to message queuing, simplifying your connectivity infrastructure and enabling hyperautomation.***

The Message Queue Service provides customers with the tools and capabilities to manage their queues to support asynchronous processing enabling customers to efficiently manage their system workloads and resources. Jitterbit's MQ Service:

- Moves messages in and out of the queues
- Provides governance capabilities for storing/clearing the messages in the queues
- Monitors the queues and provides status updates
- Manages access to the queues



## Features

Queue Creation and Management	Cloud Studio Integration	Security	Jitterbit MQ Administration	Jitterbit MQ Components
<ul style="list-style-type: none"> <li>• Message queue types - Classic and Quorum queues</li> <li>• Configurable queue options - TTL, Length, size, etc.</li> <li>• Single / bulk message processing</li> <li>• Acknowledgements - Auto, Explicit and NACK</li> <li>• Point to Point messaging</li> </ul>	<ul style="list-style-type: none"> <li>• Built-in Jitterbit MQ Connector</li> <li>• Endpoint access to Message Queues</li> <li>• Supports Get, Send and Acknowledge</li> </ul>	<ul style="list-style-type: none"> <li>• Queues scope segregated by Environment</li> <li>• Endpoint Access to queues secured by Authentication tokens</li> <li>• Message encryption during transit and at rest</li> </ul>	<p><b>Via Management Console</b></p> <ul style="list-style-type: none"> <li>• Environment level message queuing access</li> <li>• Administer Queues, Tokens, etc.</li> <li>• View stats on queues</li> </ul>	<ul style="list-style-type: none"> <li>• Jitterbit Message Queue Service</li> <li>• Jitterbit MQ Connector</li> <li>• Message Queues (Cloud hosted)</li> </ul>

## Benefits



**Power of a Single Platform:** Jitterbit's MQ service is built into Jitterbit's Harmony iPaaS removing the overhead of configuring the backend infrastructure of a message queue – a time-consuming and costly process. With the already powerful integration capabilities in Harmony this gives customers a single platform to build and manage business process automations throughout the business.



**Reliable Message Delivery:** Guarantee that any message that gets pushed to a queue will get delivered to a consumer eventually even if a system goes down, network connectivity is lost or there is a sudden spike in the number of transactions which bogs down the systems. Allow users to specify a fixed delivery time or set up a lag queue if you want an expected latency for messages.



**Increased Performance:** Message queues allow sender apps to easily add requests to the pipeline and proceed to other jobs, while receiver apps can process the messages anytime. This decoupling of apps improves system performance since the queueing process operates in the background and doesn't overload the system.



**Security:** Provide secure enterprise wide message queuing by encrypting messages both at rest and in transit. Centrally manage authentication of services attempting to access the queue.

Guarantee message delivery, manage system workloads efficiently, and simplify your connectivity infrastructure with Jitterbit's MQ Service. Learn more at: [jitterbit.com/product/message-queue/](https://jitterbit.com/product/message-queue/)



Jitterbit empowers businesses to optimize their connectivity and scalability through a single integration and workflow automation platform. Our mission is to turn complexity into simplicity so your entire organization can work faster and more efficiently.

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