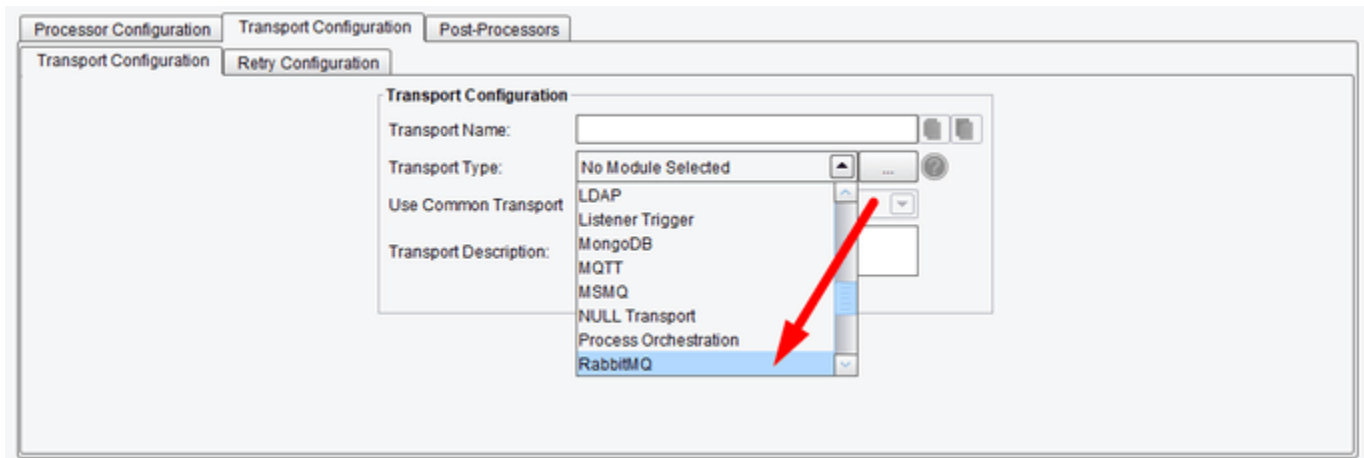


RabbitMQ Transport

<https://cms.pilotfishtechology.com/xcs-eiconsole-main-window/xcs-eiconsole-modules/xcs-eiconsole-available-transport-types/rabbitmq-transport/>

RabbitMQ Transport

The **RabbitMQ** Transport publishes messages to a RabbitMQ exchange.





Transport (Adapter) Configuration Drop-Down List




Connection RabbitMQ Transport Configuration Options


On the **Connection** tab, you can specify:

- **Connection Method** – the method to use for the connection. The **URI** method is recommended for single server connections, while **Host and Port** is recommended for mirrored/HA server setups
- **URI** – URI of the RabbitMQ Provider (e.g., amqp://localhost)
- **Host and Port** – specify the host and port for each RabbitMQ Server in the form of host port (e. g., localhost 5672)
- **Virtual Host** – virtual host to connect to
- **Username** – the username for the specified server (if required)
- **Password** – the password for the specified server (if required)
- **Use SSL?** – check if an SSL connection is required



Transport Configuration




Transport Name:  


Transport Type:   



Use Common Transport ☐ 


Transport Description:


 **Connection**  **Publish** **Properties** **Advanced**


 **Connection Method:**  


URI: 

Host and Port:  

Virtual Host: 

Username: 

Password: 

Use SSL?: ☐ 

RabbitMQ Transport Connection Configuration Options

Publish RabbitMQ Transport Configuration Options

On the **Publish** tab, you can specify:

- **Routing Key** – routing key value for messages
- **Exchange** – the name of the RabbitMQ Exchange
- **Mode** – Point-to-Point (Queue) or Publish/Subscribe (Topic) style messaging

Transport Configuration

Transport Name:

Transport Type:

Use Common Transport: ☐

Transport Description:

Connection **Publish** **Properties** **Advanced**

Routing Key:

Exchange:

Mode:



RabbitMQ Transport Publish Configuration Options



Properties RabbitMQ Transport Configuration Options


On the **Properties** tab, you can specify:

- **ContentEncoding** – content encoding, e.g. “gzip”. Used by applications, not core RabbitMQ
- **ContentType** – Content type, e.g. “application/json”. Used by applications, not core RabbitMQ
- **CorrelationID** – helps correlate requests with responses
- **DeliveryMode** – 1 or 2. 2 for “persistent”, 1 for “transient”. Some client libraries expose this property as a boolean or enum.
- **Expiration** – per-message TTL
- **MessageID** – arbitrary message ID
- **Priority** – the queue’s priority range should be defined at the time the queue is created. Messages without a set priority default to 0. Messages with a numeric priority higher than the maximum set on the queue will receive the highest priority the queue supports.
- **ReplyTo** – response queue name




Transport Configuration


Transport Name:  


Transport Type:  


Use Common Transport ☐ 


Transport Description:


  **Properties** 


ContentEncoding: 


ContentType: 


CorrelationId: 

DeliveryMode: 

Expiration: 

MessageId: 



Priority: 



ReplyTo: 


RabbitMQ Transport Properties Configuration Options (top half of screen)

- **Timestamp** – an application-provided timestamp
- **Type** – application-specific message type, e.g. “orders.created”
- **UserID** – user ID, validated if set
- **AppID** – application name
- **Headers** – an arbitrary map of headers with string header names




Transport Configuration


Transport Name:  


Transport Type:  


Use Common Transport ☐ 


Transport Description:

  **Properties** 

Timestamp: 

Type: 

UserId: 

ApplId: 

Headers:

| Name | Value |
|------|-------|
| | |
| | |
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| | |
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| | |
| | |



RabbitMQ Transport Properties Configuration Options (bottom half of screen)



Advanced RabbitMQ Transport Configuration Options


On the **Advanced** tab, you can specify:

- **Synchronous Acknowledge** – if enabled, message acknowledgment will be sent by the [Listener](#) after the message is delivered by this Transport
- **Declare** – create the queue or exchange if it does not already exist
- **Durable** – are messages durable (survive RabbitMQ server restart)
- **Exclusive** – the queue is exclusive to this connection
- **Auto-Delete** – queue deleted when not in use

Transport Configuration


Transport Name:  


Transport Type:  


Use Common Transport ☐ 


Transport Description:


Connection **Publish** **Properties** **Advanced**


Synchronous Acknowledge: ☐ 


Declare: ☒ 


Durable: ☐ 

Exclusive: ☐ 

Auto-Delete: ☐ 

Message TTL: 



Auto Expire: 



Max Length: 


RabbitMQ Transport Advanced Configuration Options (top half of screen)

- **Message TTL** – how long a message published to a queue can live before it is discarded (milliseconds)
- **Auto Expire** – how long a queue can be unused before it is automatically deleted (milliseconds)
- **Max Length** – how long a queue can be unused before it is automatically deleted (milliseconds)
- **Dead Letter Exchange** – the name of the exchange to send rejected messages to (must be set at time queue is created)

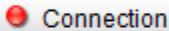
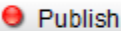
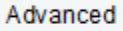
Transport Configuration















Transport Name:  

Transport Type:  

Use Common Transport ☐ 

Transport Description:

  **Properties** 

| | | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Declare: | <input checked="" type="checkbox"/> |  |
| Durable: | <input type="checkbox"/> |  |
| Exclusive: | <input type="checkbox"/> |  |
| Auto-Delete: | <input type="checkbox"/> |  |
| Message TTL: | <input type="text" value="0"/>   |  |
| Auto Expire: | <input type="text" value="0"/>   |  |
| Max Length: | <input type="text" value="0"/>   |  |
| Dead Letter Exchange: | <input type="text"/> |  |

RabbitMQ Transport Advanced Configuration Options (bottom half of screen)