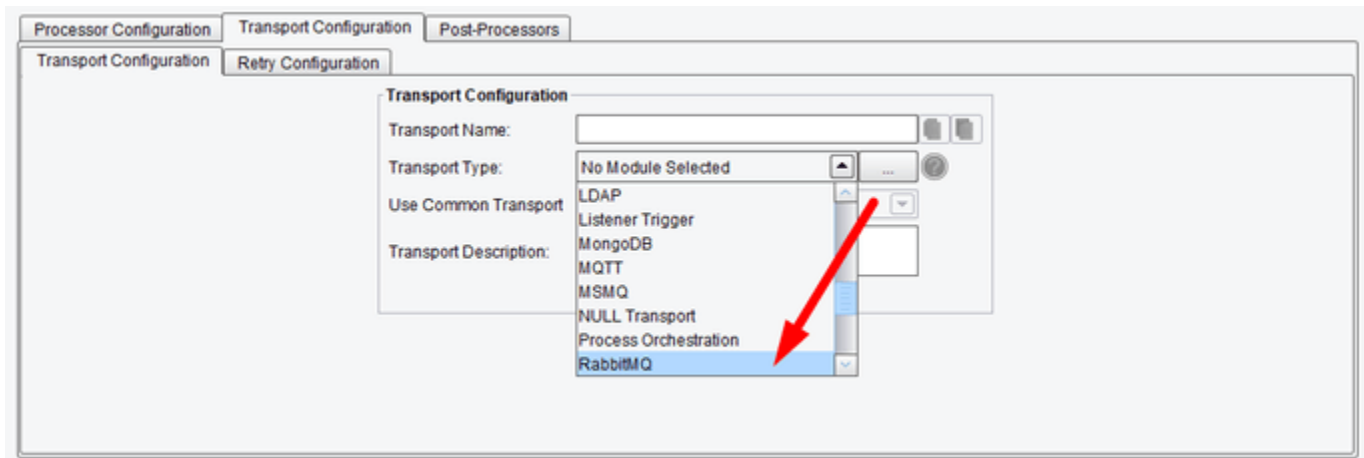


RabbitMQ Transport

<https://cms.pilotfishtechonology.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

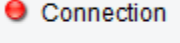
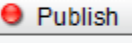
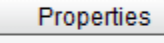
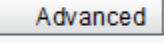
Transport Configuration

Transport Name:  

Transport Type:   

Use Common Transport ☐ 

Transport Description:

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

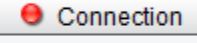
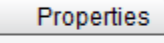
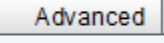
Transport Configuration

Transport Name:  

Transport Type:  

Use Common Transport ☐ 

Transport Description:

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:

☒ Connection
 ☒ Publish
 ☐ Properties
 ☐ Advanced

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

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)

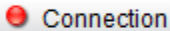
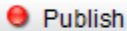
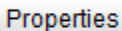
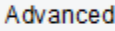
Transport Configuration

Transport Name:  

Transport Type:  

Use Common Transport ☐ 

Transport Description:

Declare:	☒	
Durable:	☐	
Exclusive:	☐	
Auto-Delete:	☐	
Message TTL:	0  	
Auto Expire:	0  	
Max Length:	0  	
Dead Letter Exchange:		

RabbitMQ Transport Advanced Configuration Options (bottom half of screen)