RabbitMQ Server SetUp and working Sample

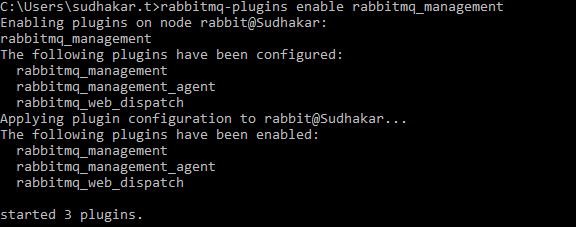
1. Download the RabbitMQ for Windows.( <https://www.rabbitmq.com/>)
2. Follow the setup guide from the Website.
3. Setup the path in the environment variable. (till sbin)
4. Open Command Prompt and type “**rabbitmq-server**”

<https://www.compose.com/articles/configuring-rabbitmq-exchanges-queues-and-bindings-part-2/>

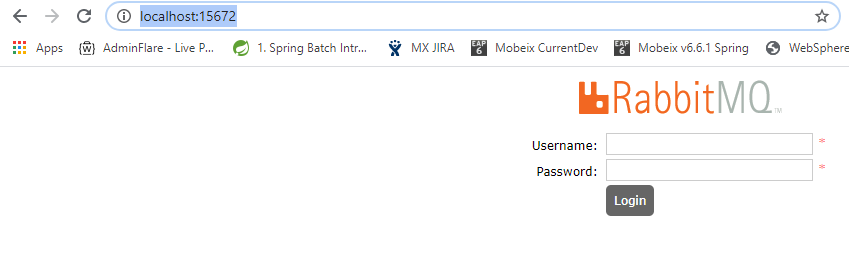
How to Enable Management Console ?

1. Open Command prompt
2. Type the below command

“**rabbitmq-plugins enable rabbitmq\_management**”



1. Once the plugs ins installed you can go to the browser and enter (<http://localhost:15672/>)



How to Create New User:

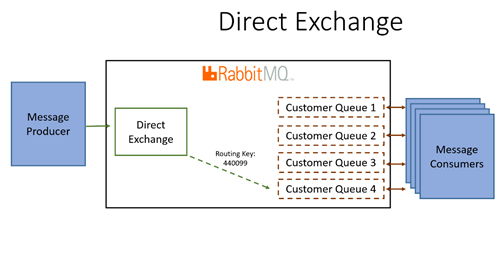
1. Login to Admin Console

Rabbit MQ provides Four Types of Exchange Types:

* Direct Exchange
* Fanout Exchange
* Topic Exchange
* Header Exchange

1. Direct Exchange:

Direct Exchange will be used when we want to send the specific message to specific set of Queues. Based on the routing key a message is sent to the queue having the same routing key specified in the binding rule. The routing key of exchange and the binding queue have to be an exact match. A message is sent to exactly one queue.



How to Configure:

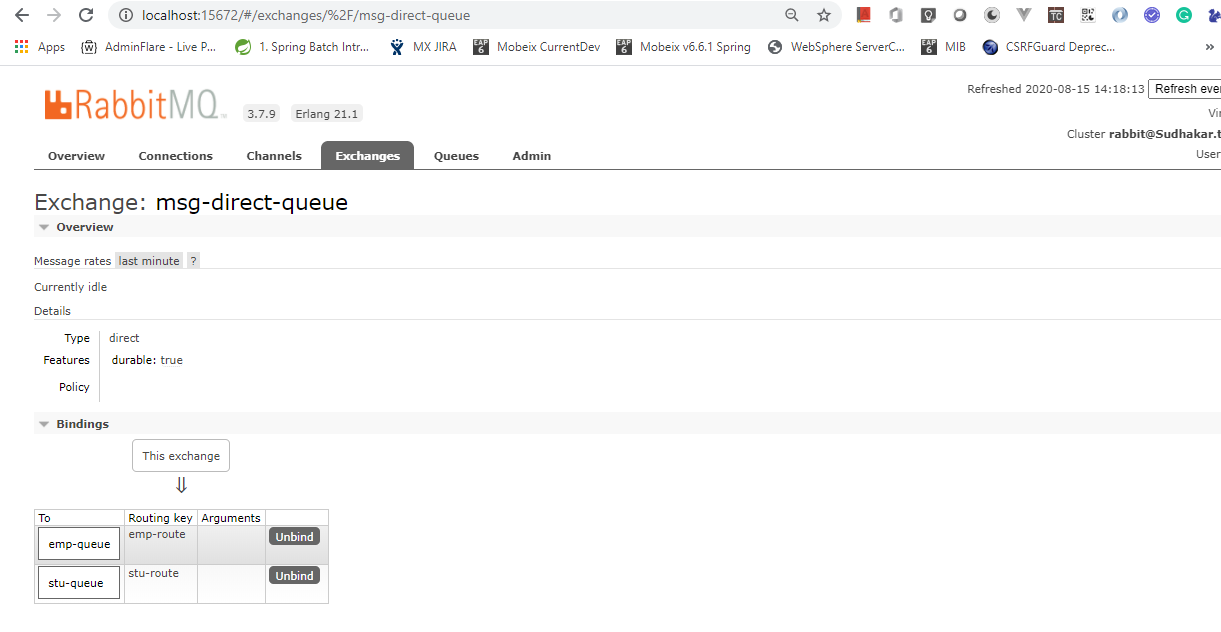
Configure two Queues

1. stu-queue
2. emp-queue

Configure Exchange called

msg-direct-queue

Bind the queues with exchange



2. Fanout Exchange:

The message is routed to all the available bounded queues. The routing key if provided is completely ignored. So this is a kind of publish-subscribe design pattern.

