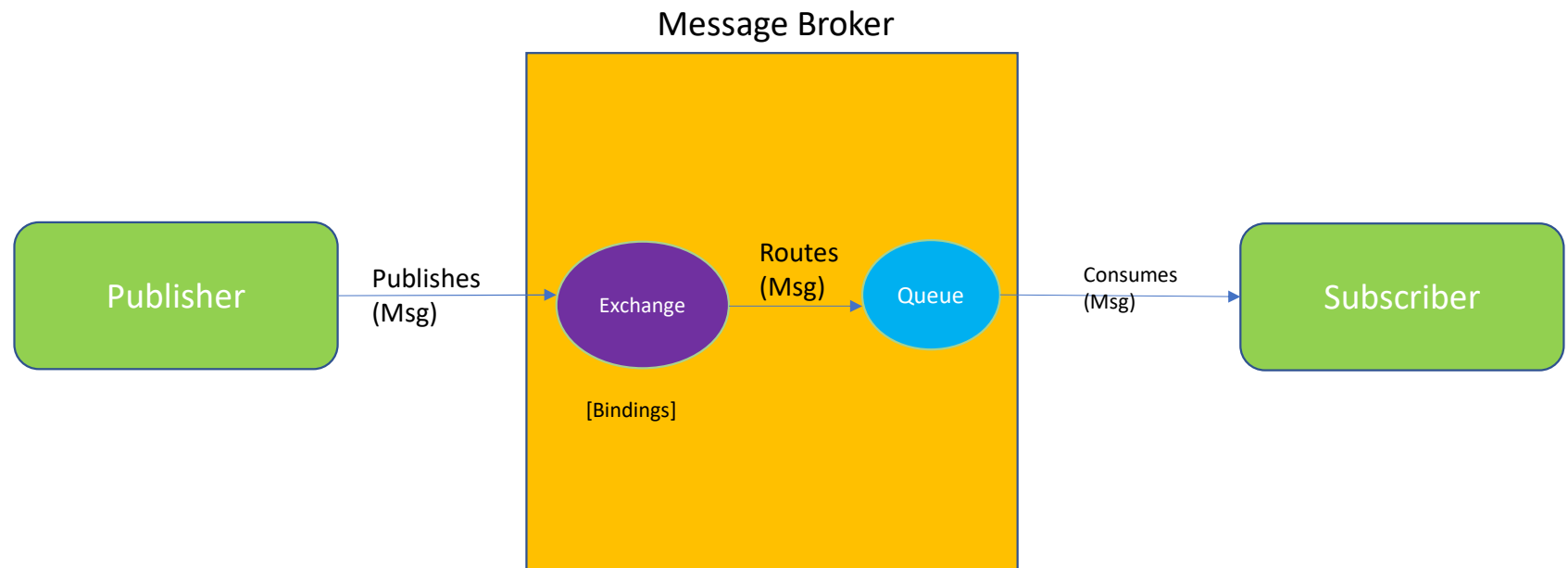


RabbitMQ – Temporary Queues and Exclusivity

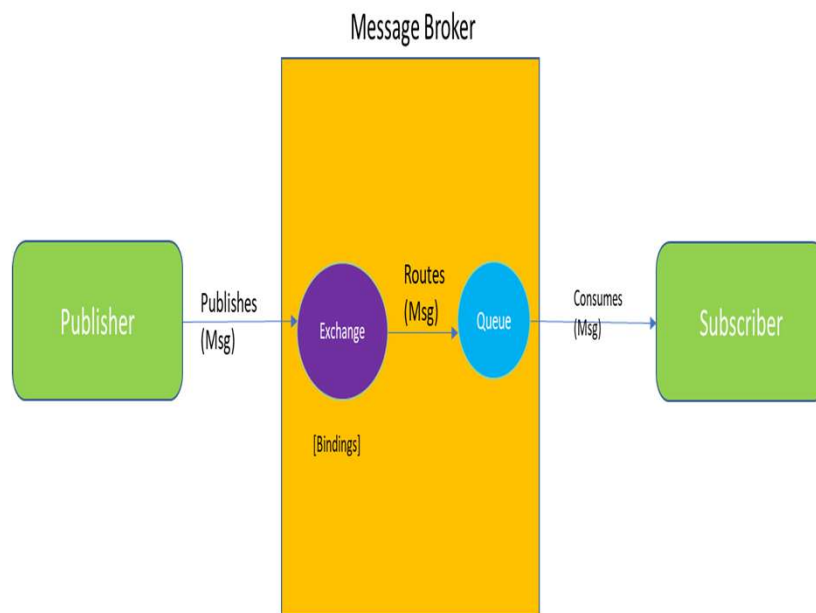
Gulshan Bajaj

Message Broker



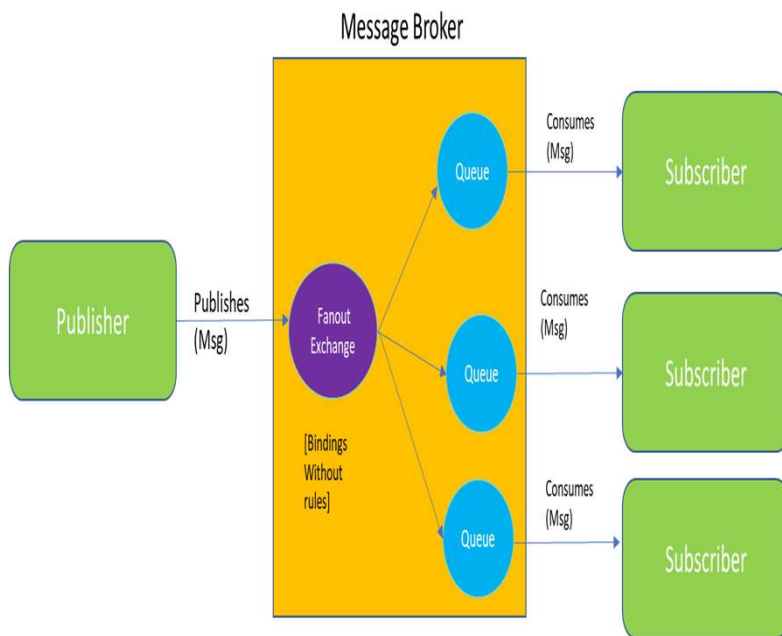
Problem --- Queue remains lingering even if the subscriber has gone

Exclusive Queues



- Has exclusive connection to a channel
- It gets deleted as soon as the channel or associated Connection (TCP) is closed
- Therefore, they are client specific

Temporary Queues



- Every subscriber has its own queue
- Good to have temporary queues for subscriber
- Close the queue as soon as the subscriber gets over
 - By marking the queue exclusive to the subscriber's channel

Steps

- Publisher

- Create a connection, say CN
- Create a channel in CN, say CH
- ~~[Optional]~~ Create an Exchange
 - Specify the bindings
- ~~If the queue does not exist already~~
 - ~~Create a queue through the channel~~
- Publish the message
- Close the connection
 - Automatically closes the channel

- Subscriber

- Create a connection say CN
- Create a channel in CN, say CH
- Create the exchange (will not affect if exchange is already there)
- Create the temporary queue, if it does not exist already and associate it with the channel CH exclusively
- Bind the queue with the exchange
- Associate a call-back function with the message queue
- Start consuming the messages