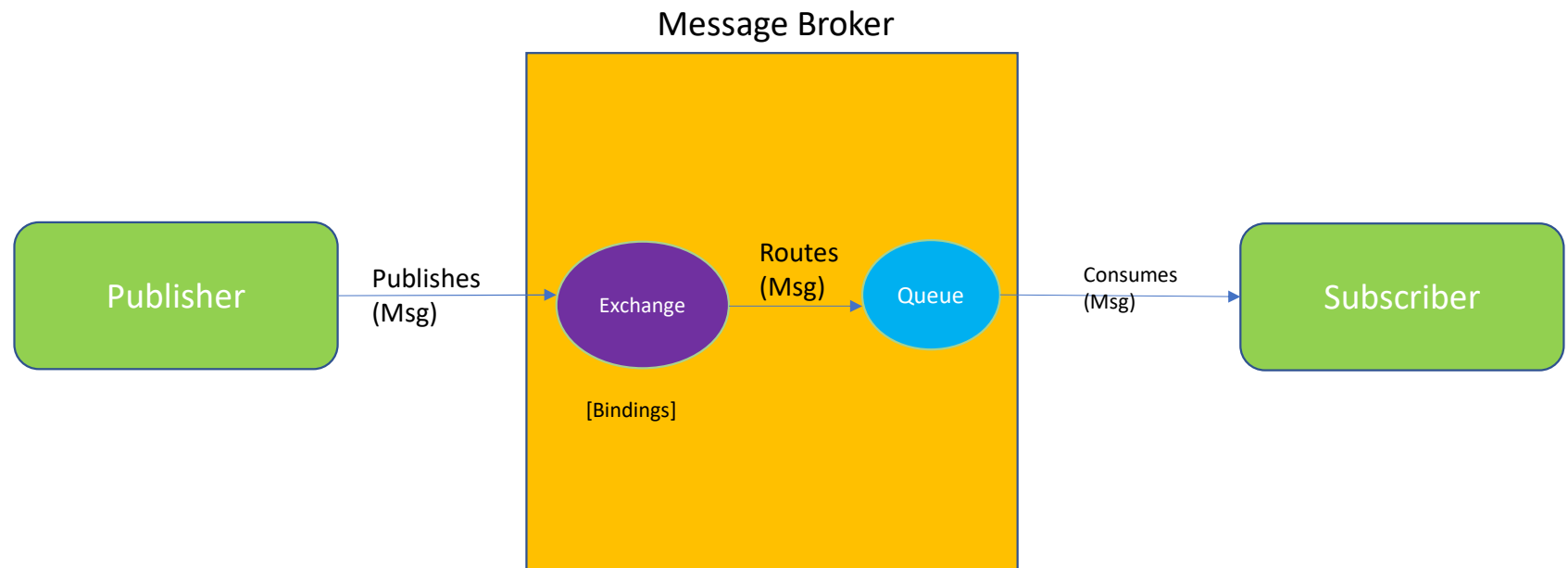


# RabbitMQ – Broadcasting

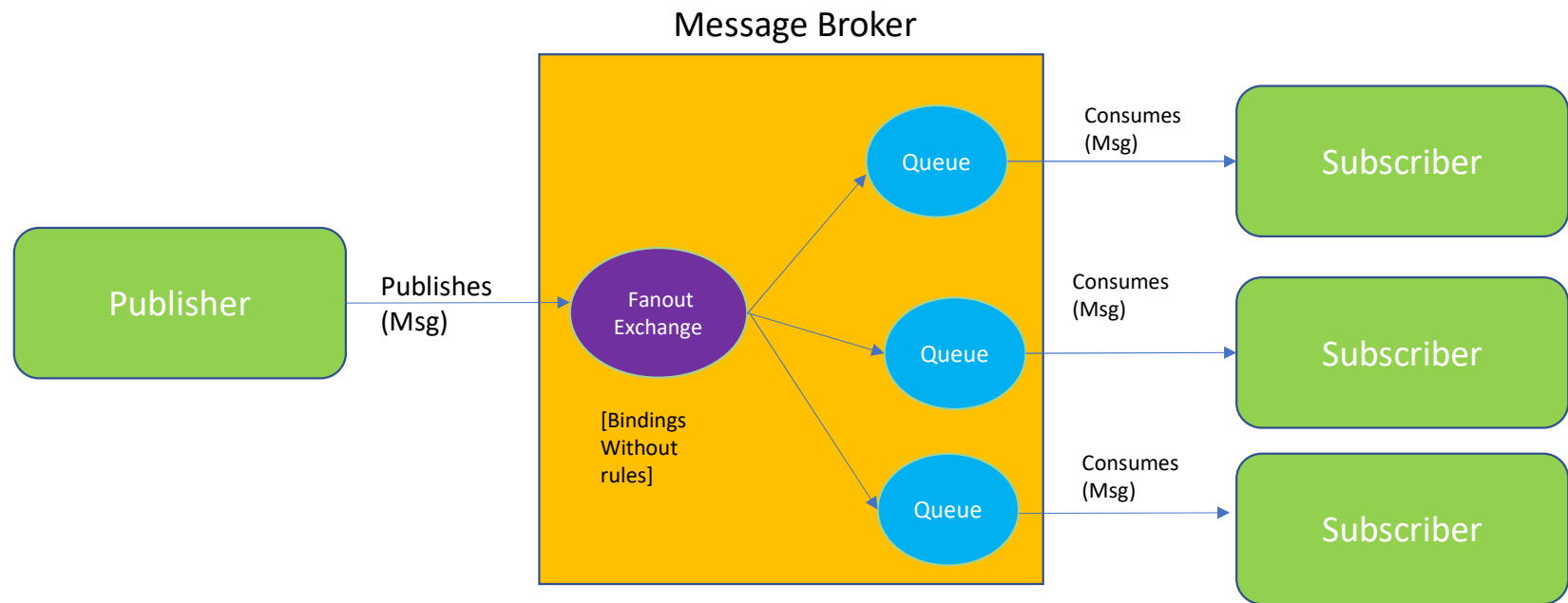
Gulshan Bajaj

# Message Broker



AMQP – Advanced Message Queuing Protocol

# Fanout Exchange



# Fanout Exchange

- Publisher is not aware who is the subscriber of the published message(s).
- Publisher is not even aware if there is any subscriber of the message at all.
- If there are no queues attached to the fanout exchange, the messages are dropped or discarded.
- No binding rules are required as all the attached queues to the exchange receive the messages.
- The binding of the queues with the exchange is required.

# Steps

- Publisher

- Create a connection, say CN
- Create a channel in CN, say CH
- ~~[Optional] Create an Exchange~~
- ~~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 queue, if it does not exist already and associate it with the channel CH
- Bind the queue with the exchange
- Associate a call-back function with the message queue
- Start consuming the messages