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Rabbit MQ

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Distributed Message Queue

5672 TCP Port

Components

- Solves a problem where a client wants to talk to other client.
- Instead of client having knowledge of other client, we can group clients into a layer (MQ server).
- Publisher establishes a successful TCP connection with MQ server. (Bi-directional). But for communication it uses (AMQP) on top of TCP.
- Consumer establishes a two-way TCP connection with the MQ server. To receive messages.
- Channel is like a mini connection. To separate the consumer connection from multiple consumers inside that consumer.
Example:
Instead of having 3 connections for 3 consumers, have 1 TCP connection with 3 channels.

This is called multiplexing. HTTP/2 uses multiplexing.