

# MQTT notes

- PubSub protocol
- <https://www.youtube.com/watch?v=J5FJn-y4buM>

Designed for constrained devices and low-bandwidth, high-latency, unreliable networks.

- Simple
- Light Weight
- Publish-Subscribe
- Reliable Delivery

## Key Concepts

- 01 Publish-Subscribe
- 02 Client & Server
- 03 Topic
- 04 QoS
- 05 Session

### QoS 0

 Sensor Reading

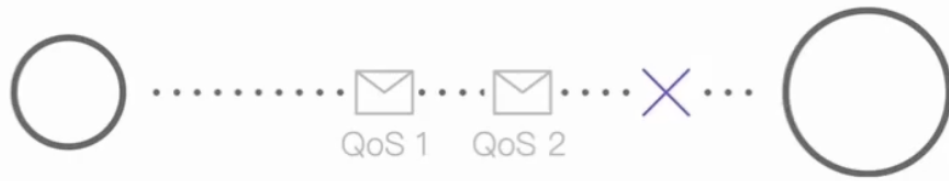
### QoS 1

 Status Update

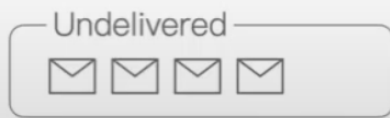
### QoS 2

 Control Command

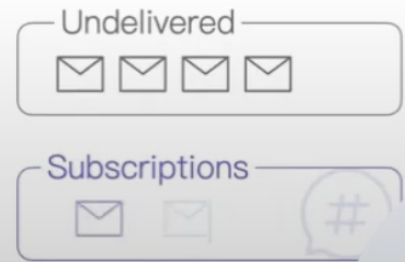
# Session



## Session in Client



## Session in Server



Client

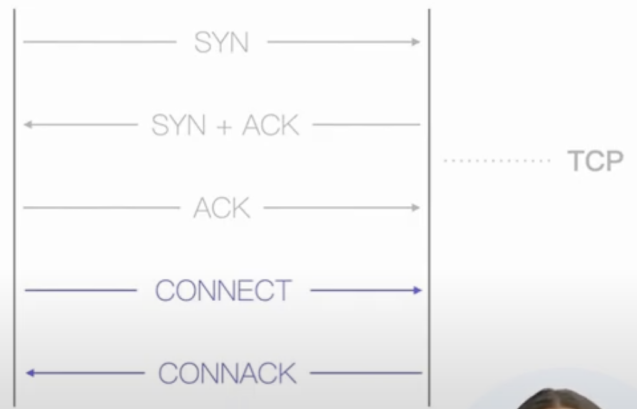
Server

### STEP 1

Transport Protocol

### STEP 2

MQTT



MQTT Clients

MQTT Server

MQTT Clients



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command / ... / light



status / ... / light



telemetry / ... / temperature

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