

**IoT with MQTT
and Paho
for Webpages**



مجموعه نشریات

Your presenters

Who is speaking today?



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**Wondering
what you
will see
today?**





MQTT - Features

Small selection of awesome features



Publish / Subscribe

State-of-the-art messaging
Publish / Subscribe
architecture for maximum
scalability and extensibility.



Real Push

Clients don't have to poll for
new information. Instant Push
for business-critical, event-
driven scenarios.



Quality of Service

3 Quality of Service Levels

- At most once
- At least once
- Exactly once



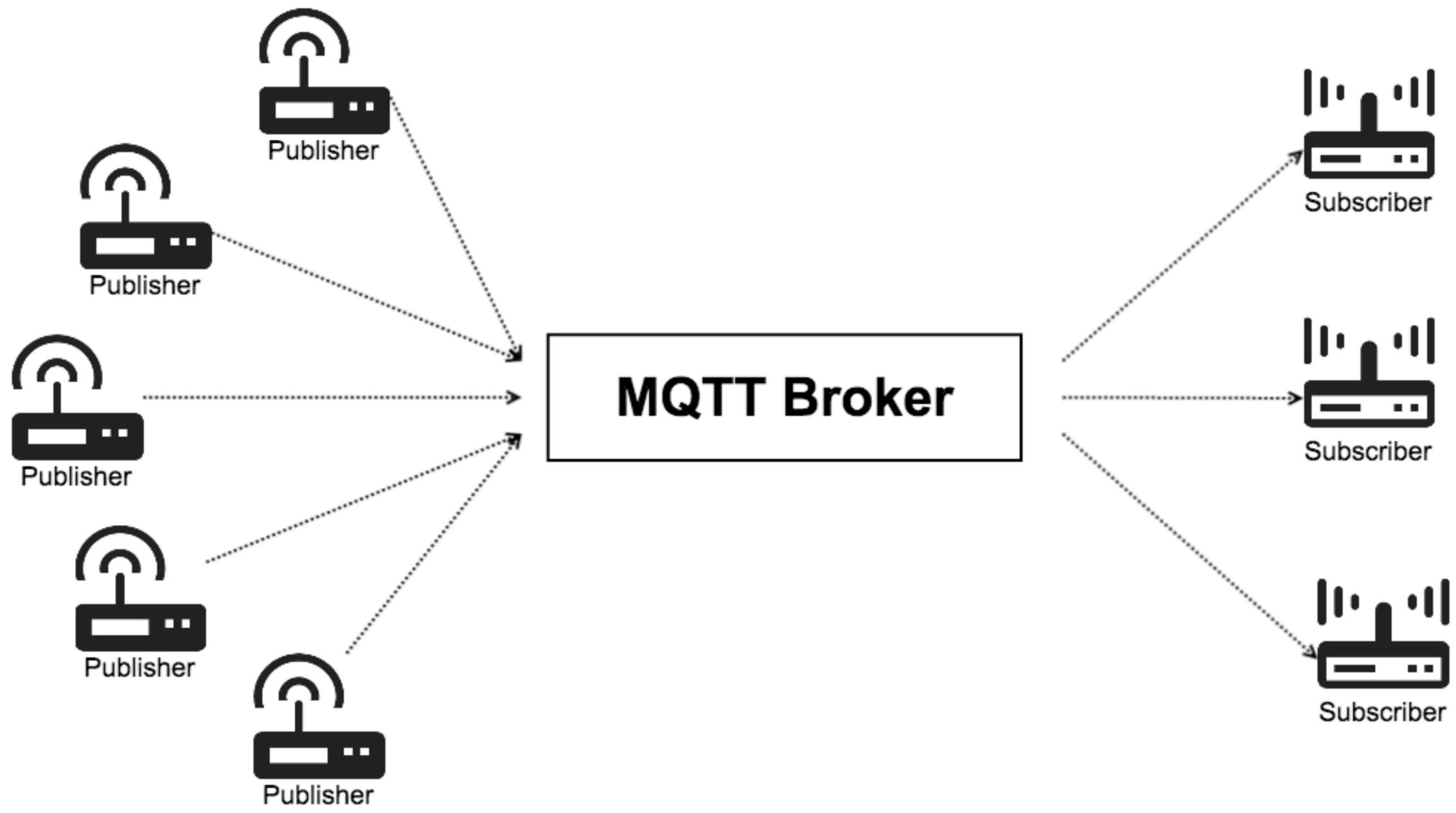
Last will and Testament

Clients can connect with
an optional **LWT** topic.

If a client disconnects
irregularly, all interested
parties get notified.

Publish / Subscribe

Scalable Communication



Required Software

And it just works



Modern Browser



Eclipse Paho



HiveMQ

Eclipse Paho



Paho in a nutshell

- Open Source
- “Reference Implementation”
- Available in many languages: **Java, C, C++, Python, Lua, Go, Javascript, ...**
- Focus on MQTT

HiveMQ



HiveMQ in a nutshell

- High Performance MQTT Broker
- Native Websockets support
- Open Source plugin System
- Bridging
- Clustering



ATTENTION

Live demo!

Thanks!



Credits

Photos (All Creative Commons)

- “Munich at Sunset” by Hajer Ben Charrada: <https://flic.kr/p/jgg14j>
- “browsers” by kjhosein: <https://flic.kr/p/dAQ1y7>

