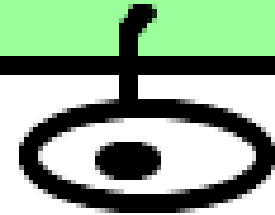


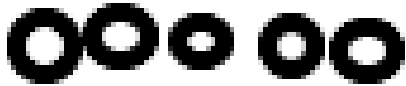
Let your stuff talk ...



Message Broker
for
Internet of Things



Braintree_Dev.
A **PayPal** Company



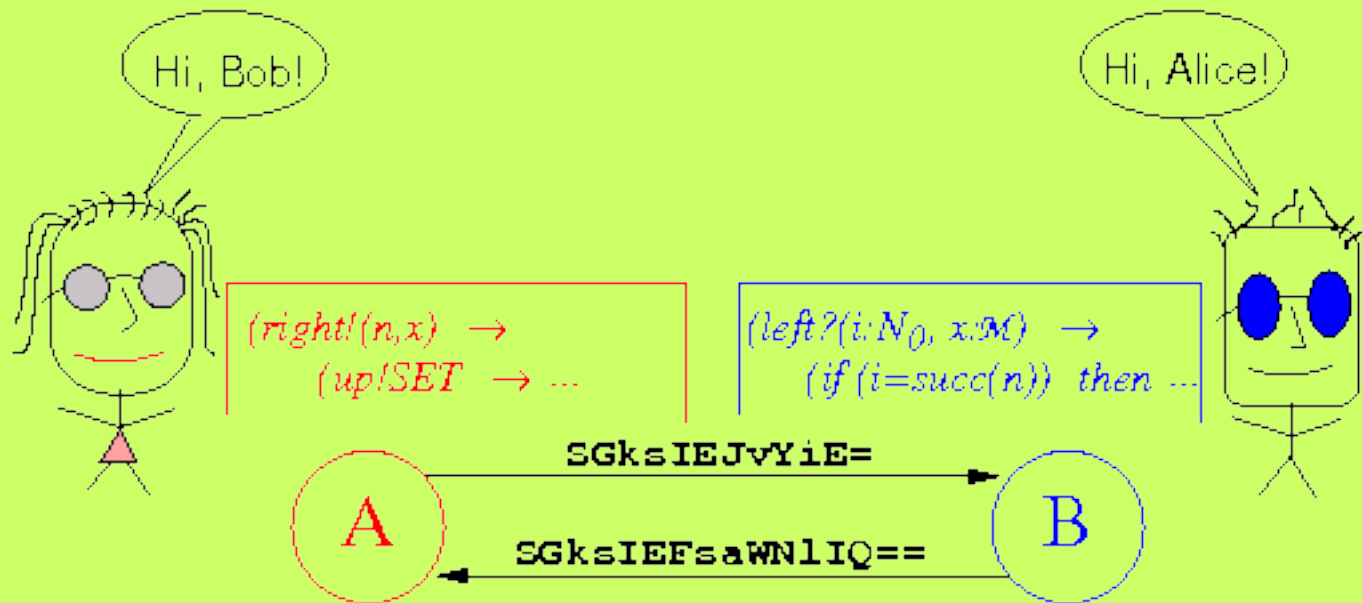
About me...



Developer Advocate
PayPal / Braintree_Dev
Java, PHP, JavaScript Developer

For two devices talk they need to use same language or...

PROTOCOL



MQ Telemetry Transport is a light-weight
publish/subscribe messaging protocol

created by **IBM** and **Arcon** (Eurotech)

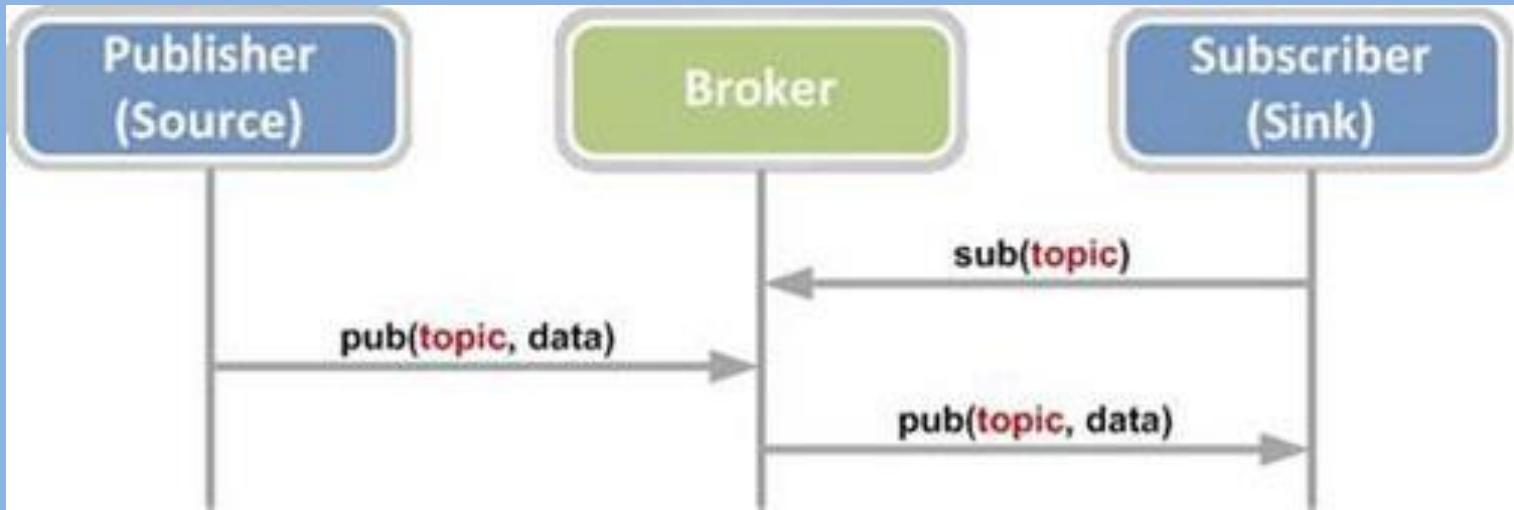
it's an open standard! most used!

best to:

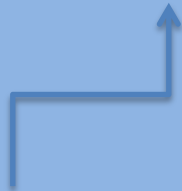
~ Where the network is expensive, has low bandwidth or is unreliable

~ When run on an embedded device with limited processor or memory resources

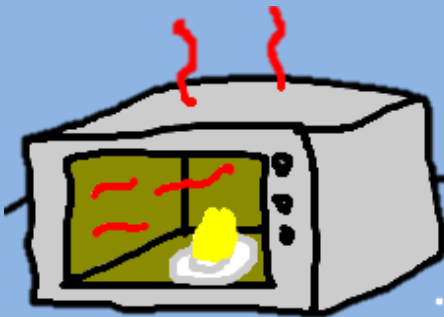




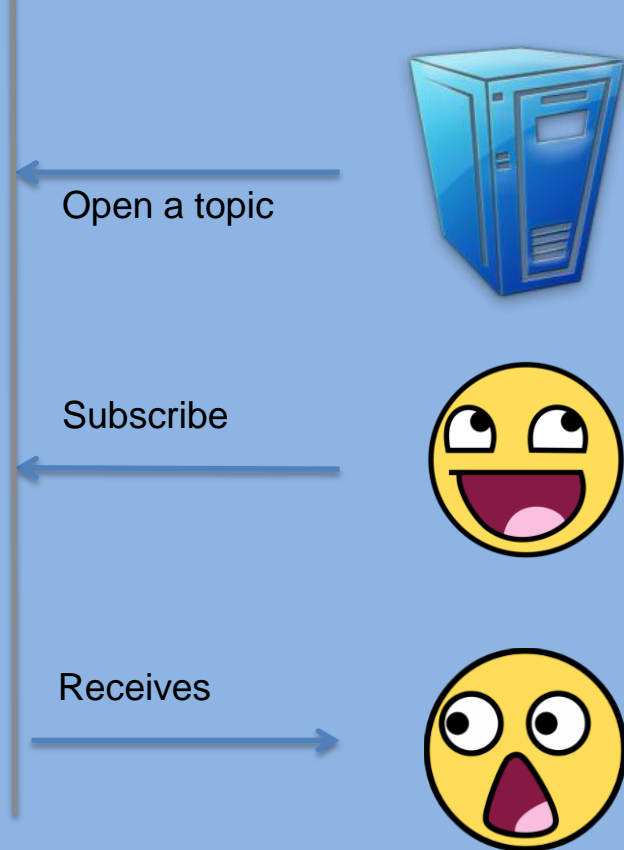
How it works...



Example

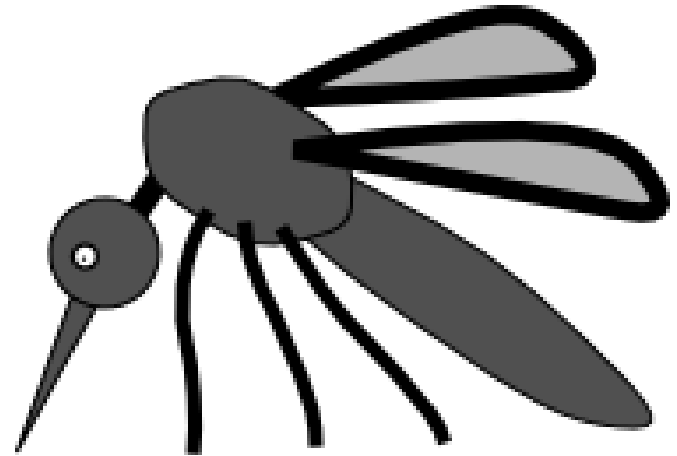


Publish:
"It's burning"



Mosquitto

An Open Source MQTT v3.1/v3.1.1 Broker



mosquitto

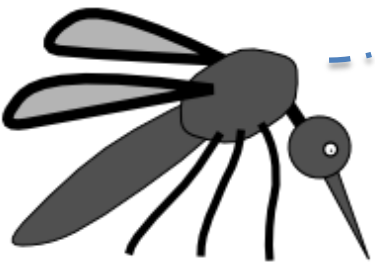
- starts the server

mosquitto_sub

- subscribe a topic

mosquitto_pub

- publishes into a topic



Demo



provides open source MQTT clients in several languages
(C for embedded, C++, Go, Java, Android, JavaScript, Python)



<http://www.eclipse.org/paho/>

under **iot.eclipse.org** project

sandbox available at: **iot.eclipse.org:1883**

candy machine demo



Paho in a java client running
into RaspberryPi

Paho in a java web application
running into Tomcat 8

[http://github.com/
jeffprestes/
candies-client](http://github.com/jeffprestes/candies-client)

[http://github.com/jeffpr
estes/
candies](http://github.com/jeffprestes/candies)

Thanks.

Jeff Prestes

@jeffprestes

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