



Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath

The University of Dublin

CS2031 Telecommunications II

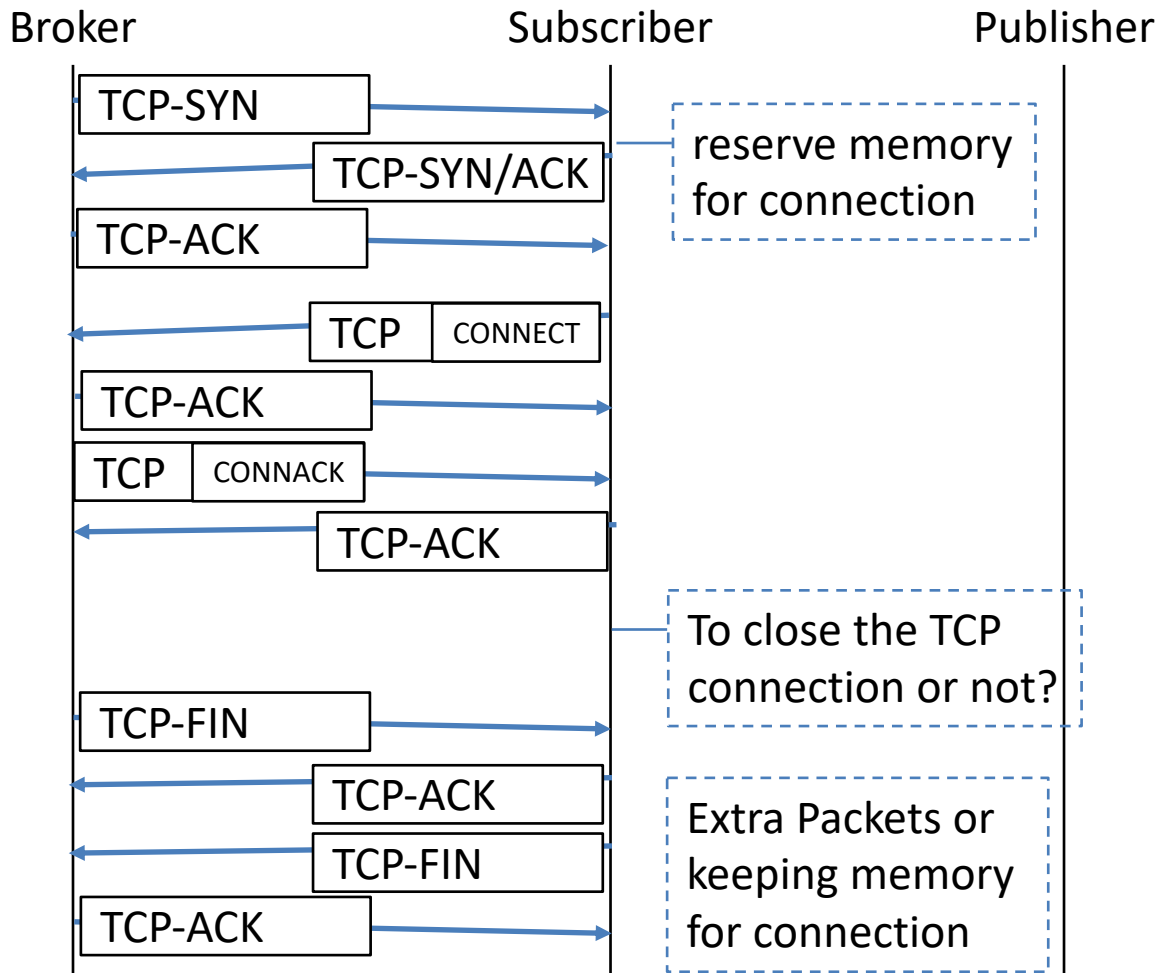
MQTT - The Sequel

Stefan Weber

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Critique on MQTT

+ TCP Connections



Problem is Scale!

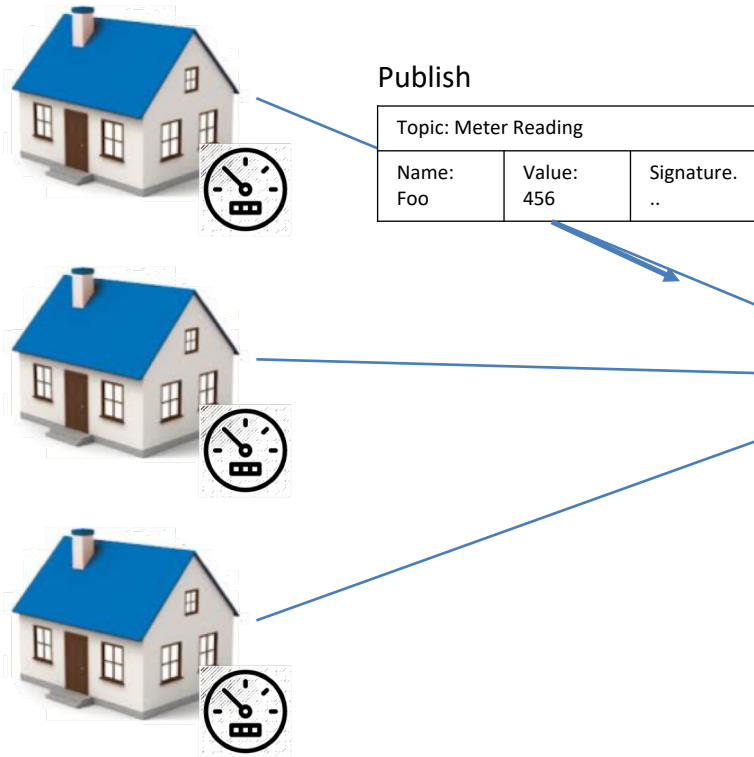
* 250.000 !!!

MQTT Update

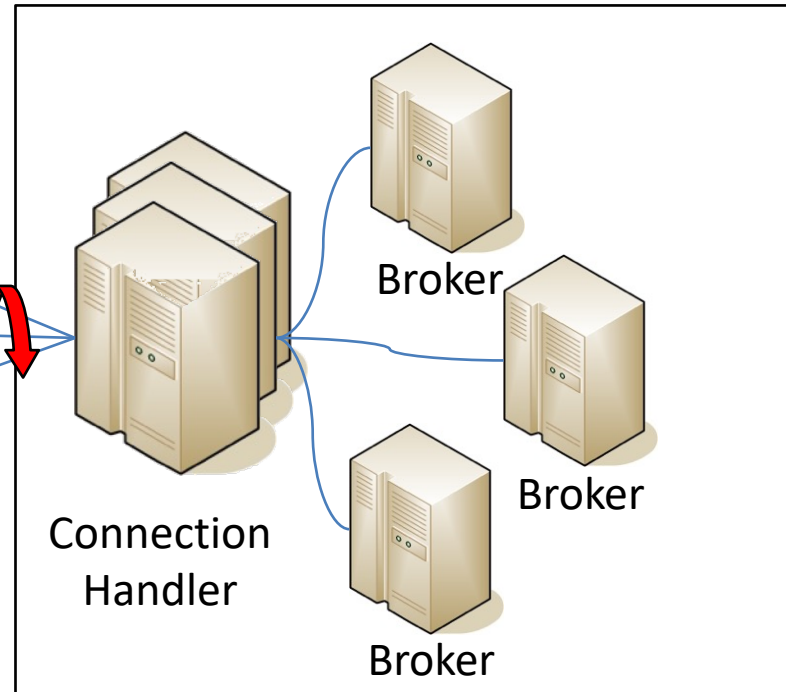
- Question re connection persistence, storage, etc → 👍 😊
 - Usual gut reply: “Naa, that’s just nonsense”
 - Old != wise, lots of ‘old fools’ arounde.g. Sergey Brin&Larry Page: We’ll rank all pages in the WWW → Nuts
- MQTT developers intention:
 - Move processing to the ‘Cloud’, keep IoT devices ‘small’e.g. infrastructure/core/Cloud will store & retransmit data
polar opposite of traditional belief: Keep brokers slim/simplistic

Scale Solution

Publisher



Broker



2lemetry -> Amazon
MicroDoc -> dataRespons

Replacement of MQTT with your library

Publisher



Your client-side
MQTT library
-
providing MQTT
over UDP

Broker

Your
Connection
Handler



Broker

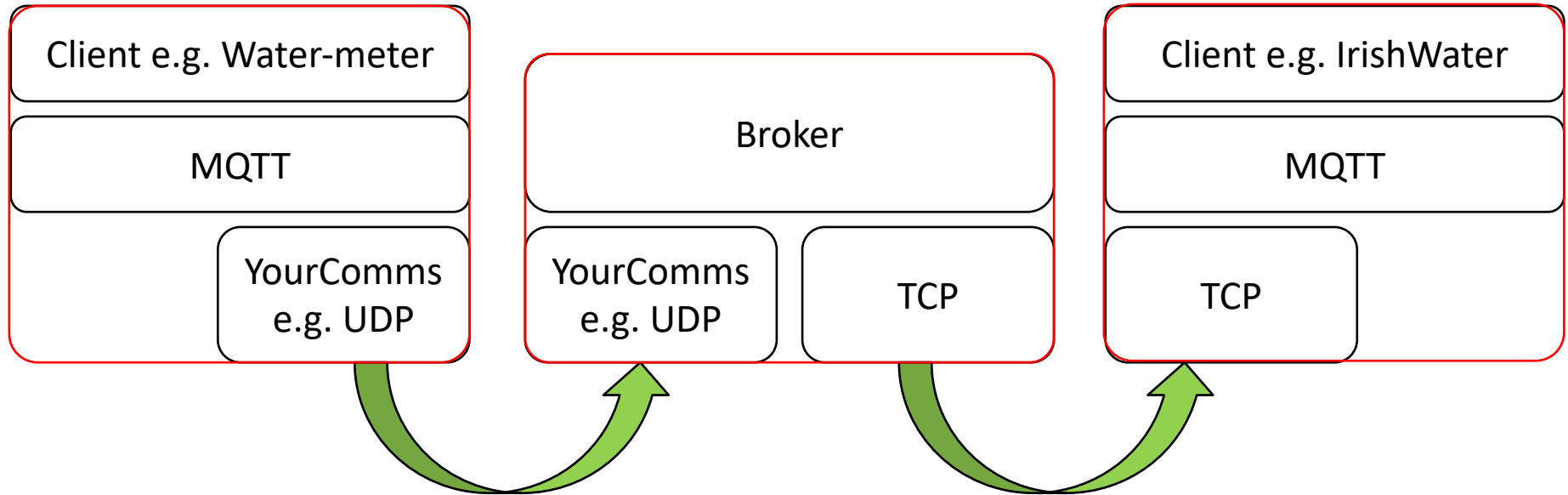


Broker



Broker

Possible Architecture





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That's all
folks