



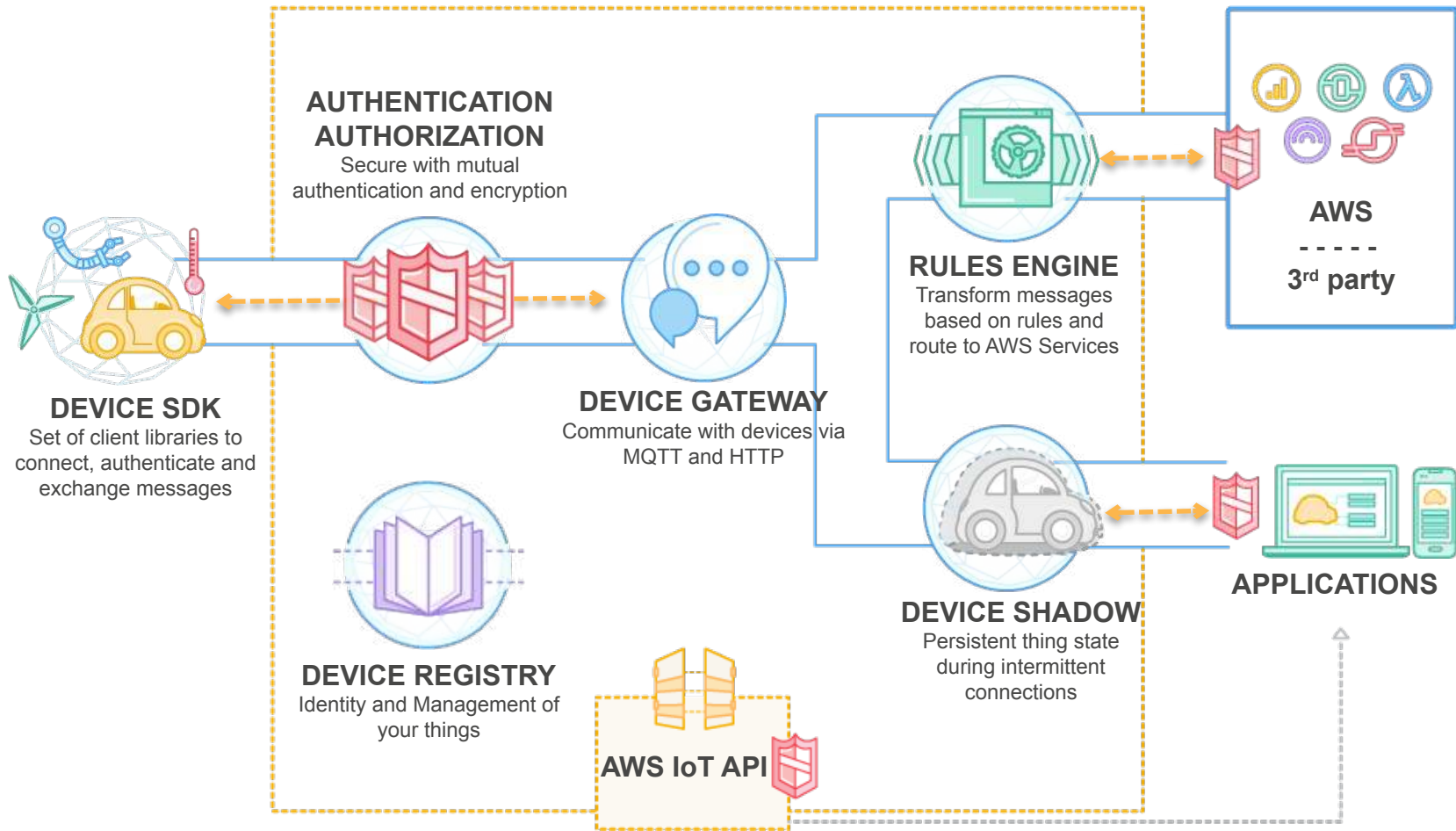
Hands-on with AWS IoT

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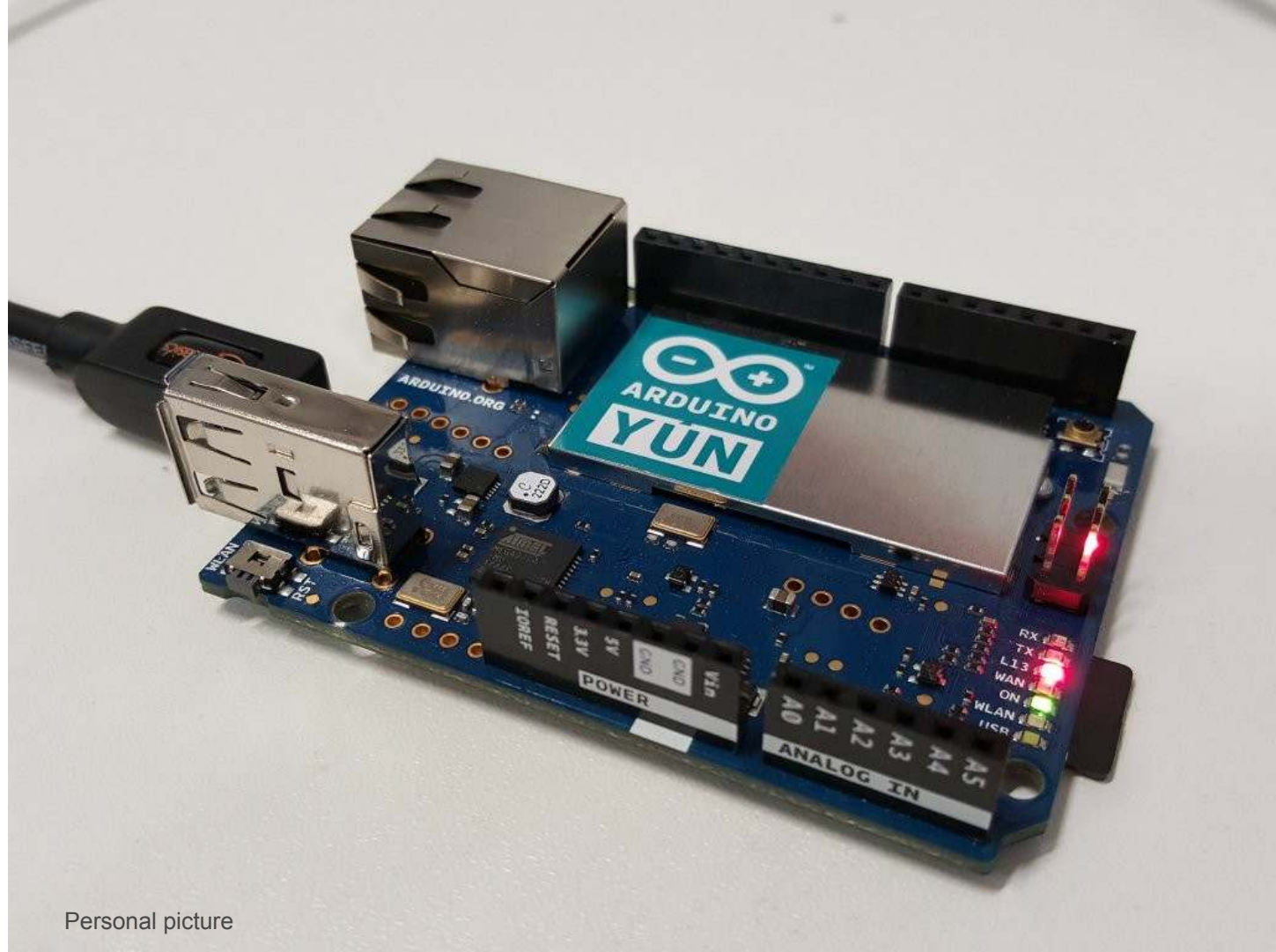




*** **NEW (April 7)** : AWS IoT is now available in eu-central-1 (Frankfurt)

Official AWS IoT Starter Kits





Personal picture

MQTT Protocol



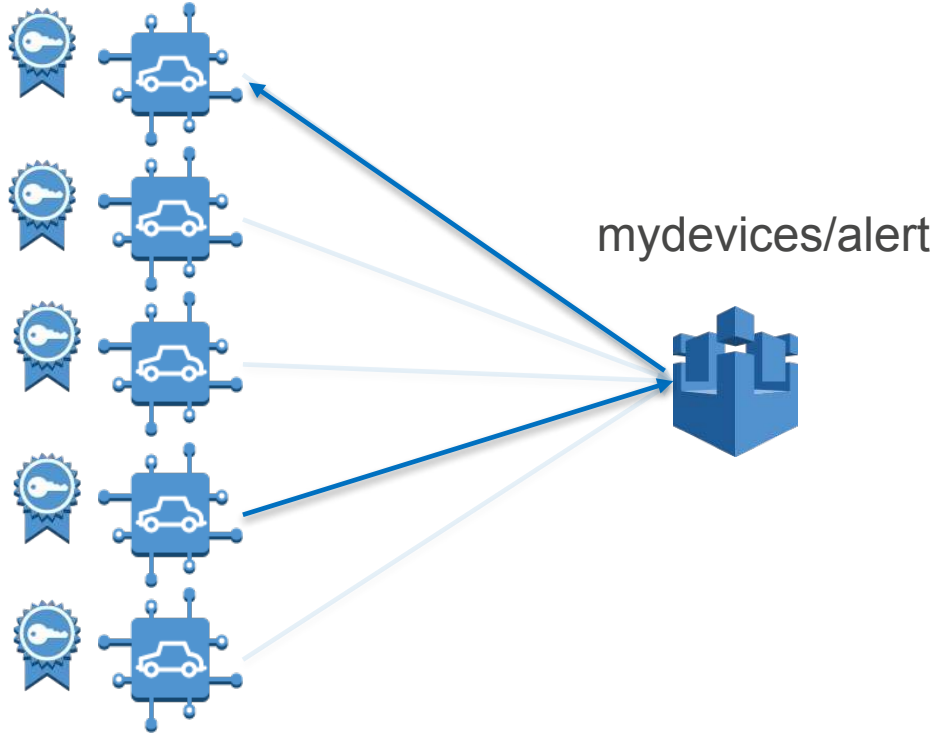
- OASIS standard protocol (v3.1.1)
- Lightweight, transport protocol that is useful for connected devices
- **Publish-subscribe** with **topics**
- MQTT is used on oil rigs, connected trucks, and many more critical applications
- Until now, customers had to build, maintain and scale a broker to use MQTT with cloud applications

MQTTS vs HTTPS:

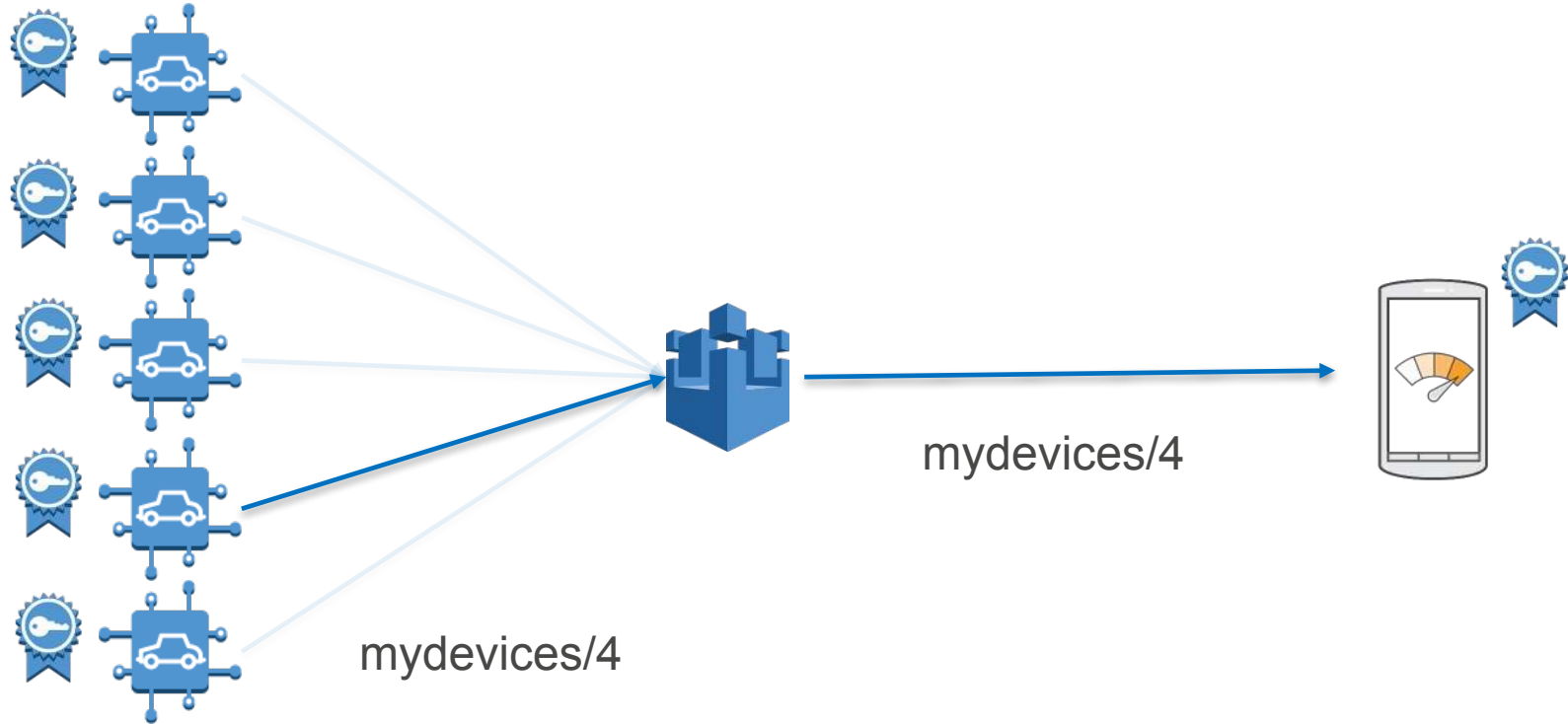
93x faster throughput
11.89x less battery to send
170.9x less battery to receive
50% less power to stay connected
8x less network overhead

Source: <http://stephendnicholas.com/archives/1217>

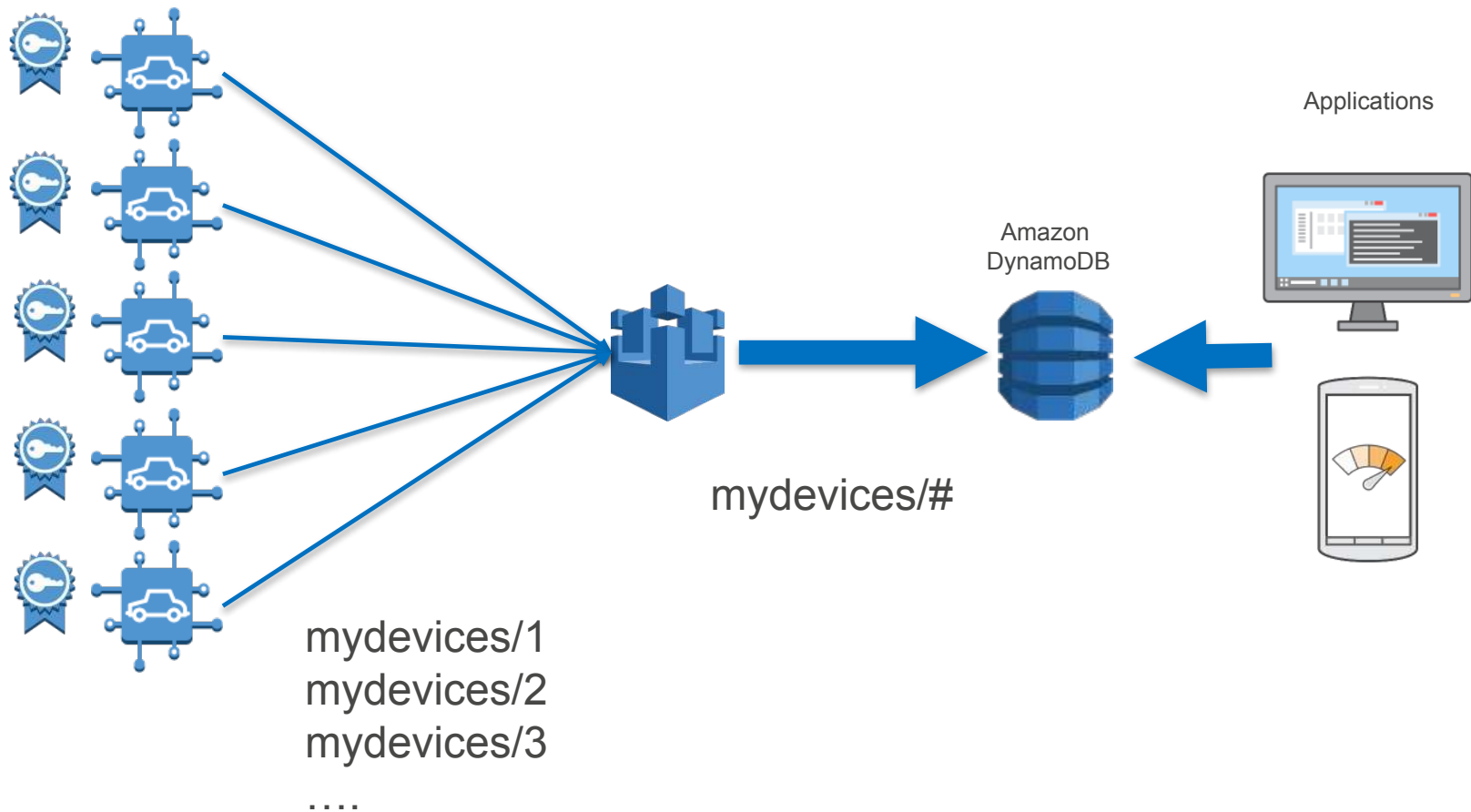
MQTT: device-to-device communication



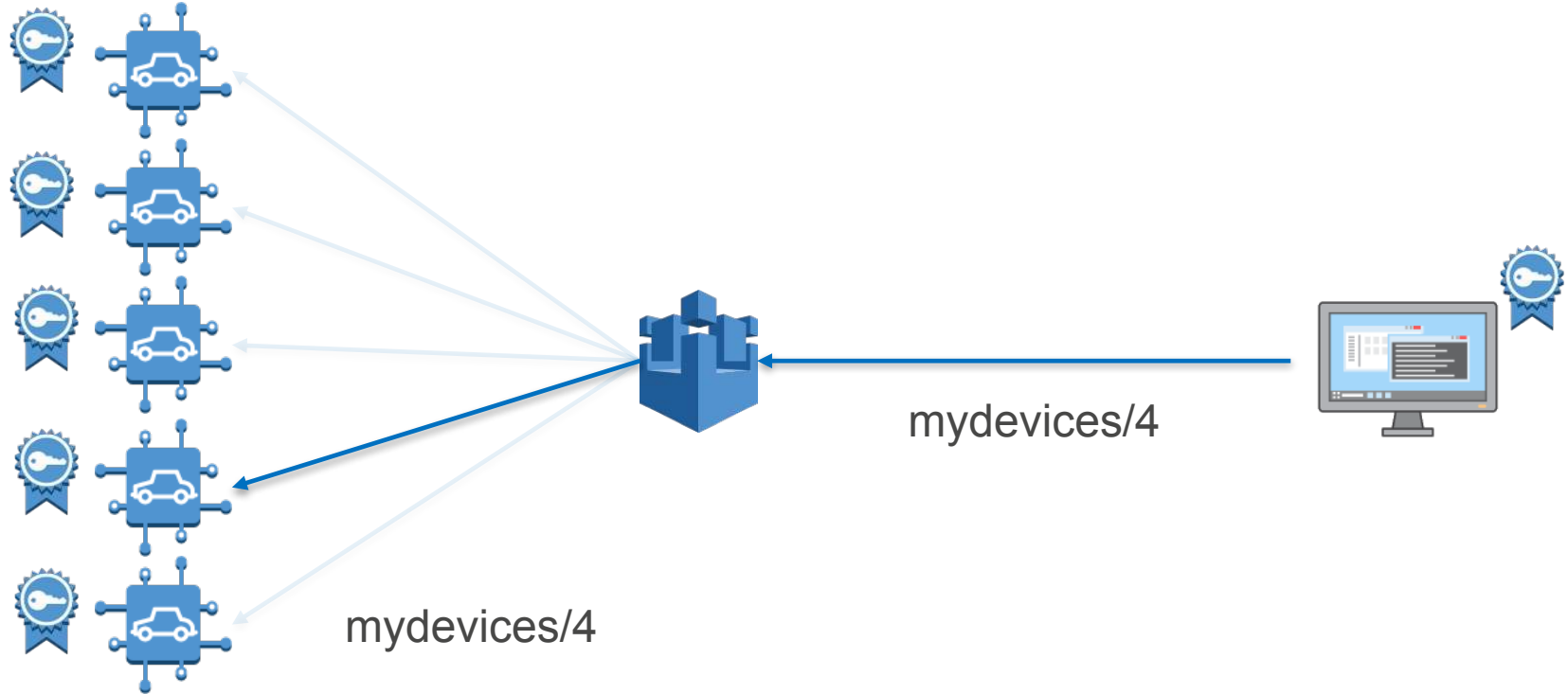
MQTT: collect data from a device



MQTT: aggregate data from many devices

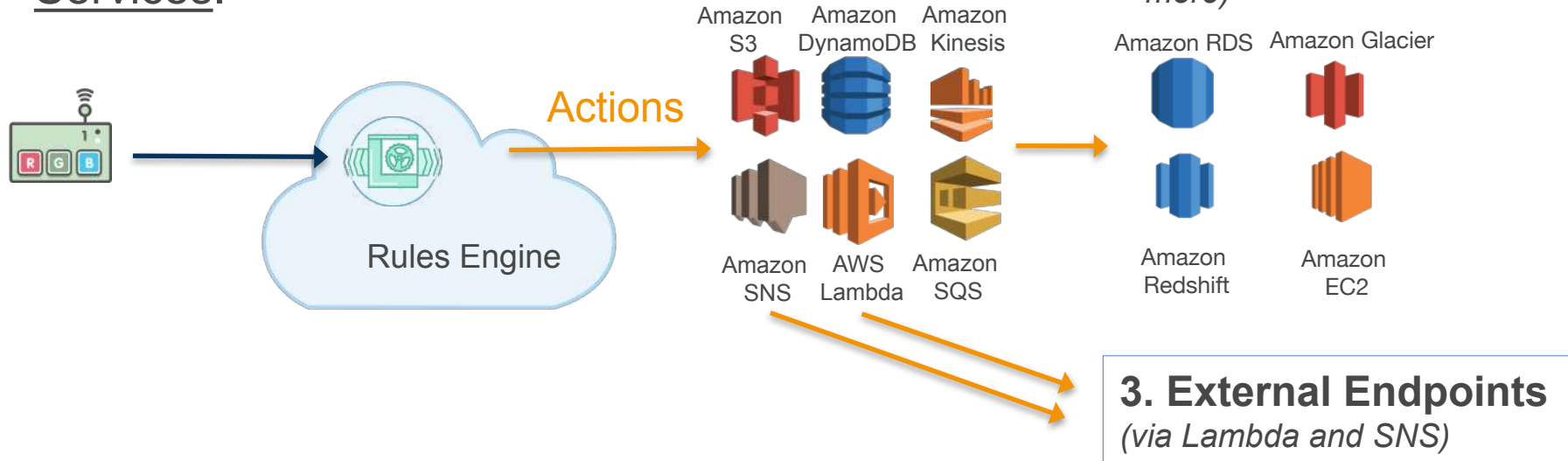


MQTT: update a device



AWS IoT Rules

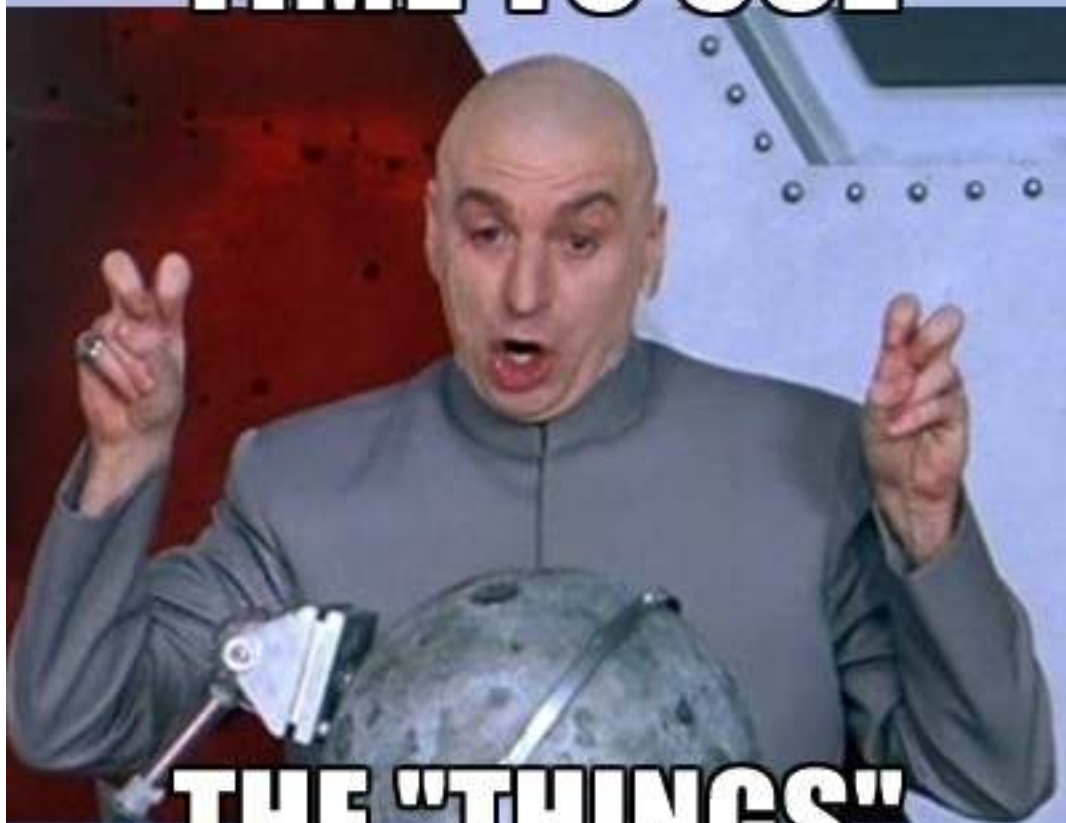
Rules connect AWS IoT to External Endpoints and AWS Services.



*** **NEW (March 16)** : direct integration with Amazon Elasticsearch & CloudWatch

*** **NEW (April 11)** : direct integration with Amazon Machine Learning

TIME TO USE



THE "THINGS"



Thank you!

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