BEGINNER'S GUIDE TO IOT AND MENDIX

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Technology Evangelist

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In This Webinar

- Introducing the Speakers
- IoT Landscape
- Device Management
- IOT Brokers
- MQTT
- Awesome IoT demo
- Creating your first IoT app

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Introducing the Speakers

Simon Black

Technology Evangelist

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Jan de Vries

Product Documentation Manager

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“The Internet of Things will bring more than 30B devices online by 2020”

Open Interconnect Consortium

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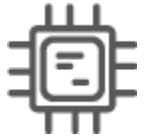
IoT Landscape

Things

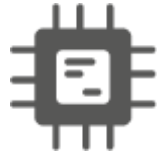


Sensors

Agents

Actuators

Communication



Edge Computing

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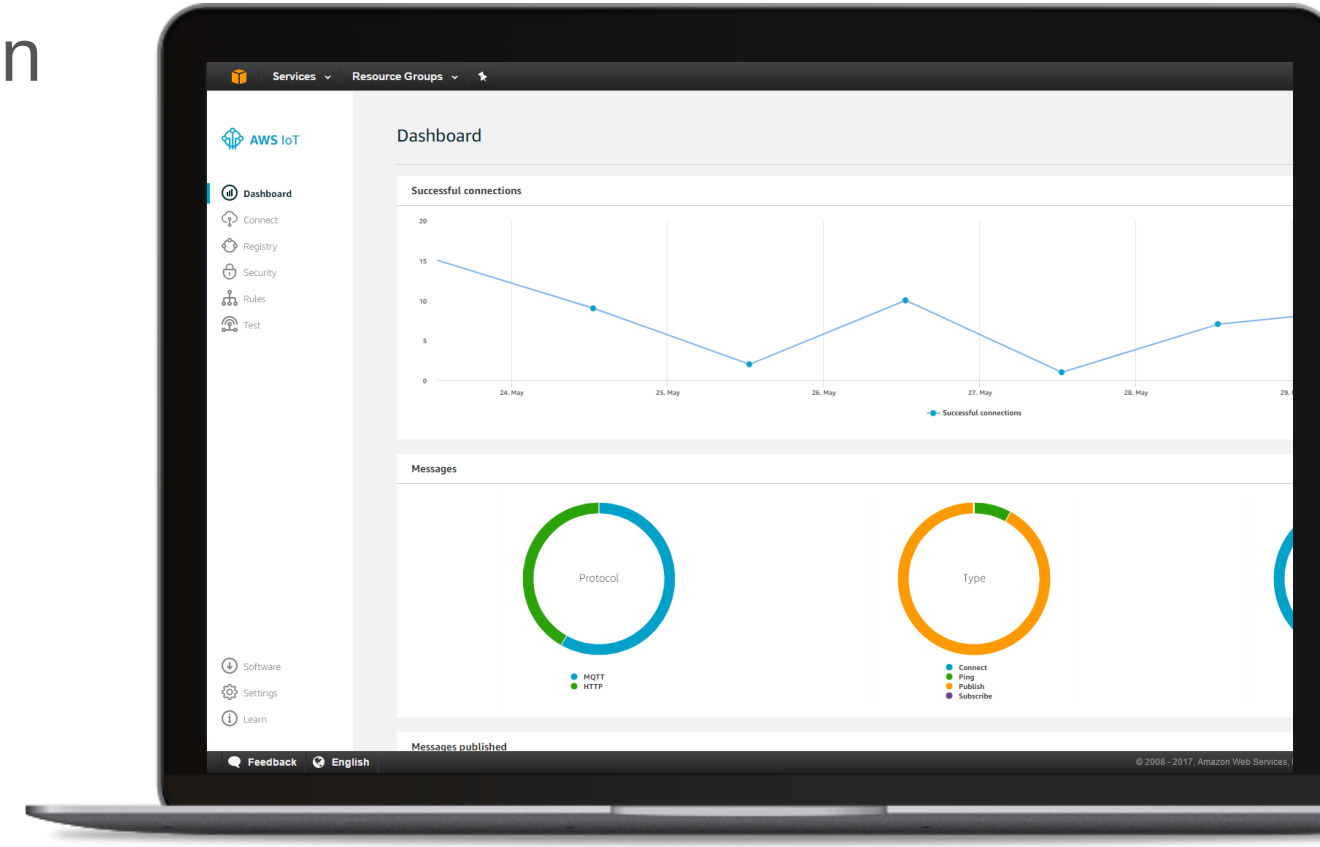
Device Management

- Provisioning and authentication
- Configuration and control
- Monitoring and diagnostics
- Software updates and maintenance



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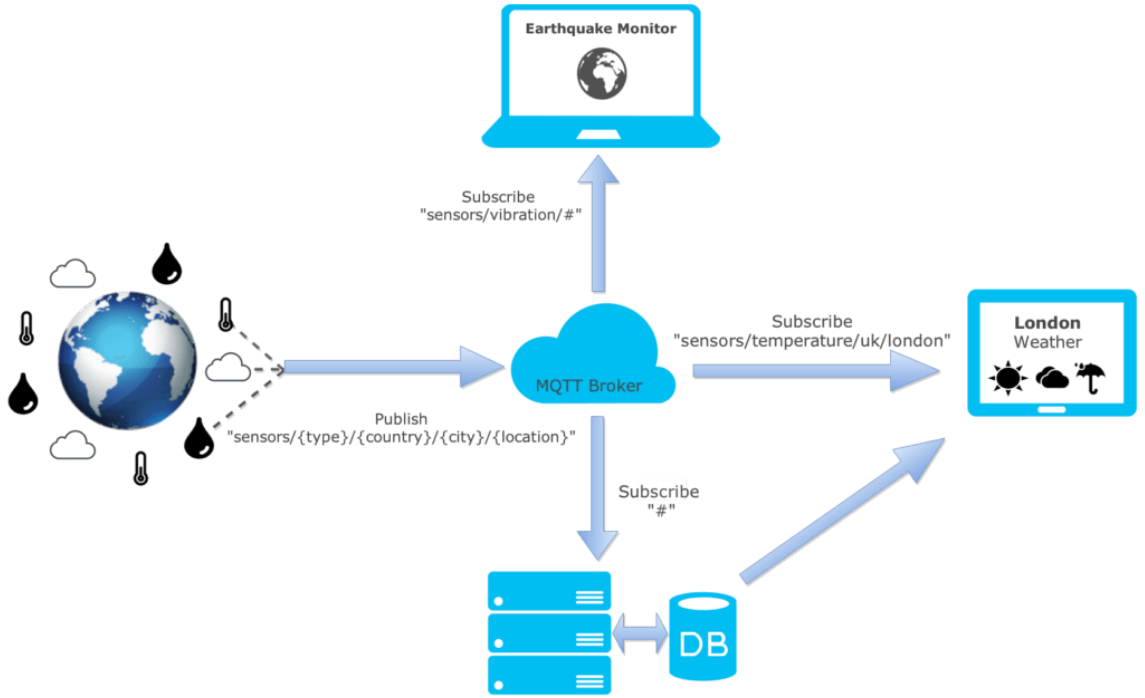
IoT Brokers

- A lightweight and scalable middleware
- Controls the communication between IoT applications and devices
- Uses REST or MQTT

MQTT

- Lightweight protocol for sending messages over topics.
- Controlled by a MQTT Broker
- Two Methods:
  - Subscribe
  - Publish
- Data is published to topics
- Topics are structured with “/” as a delimiter.



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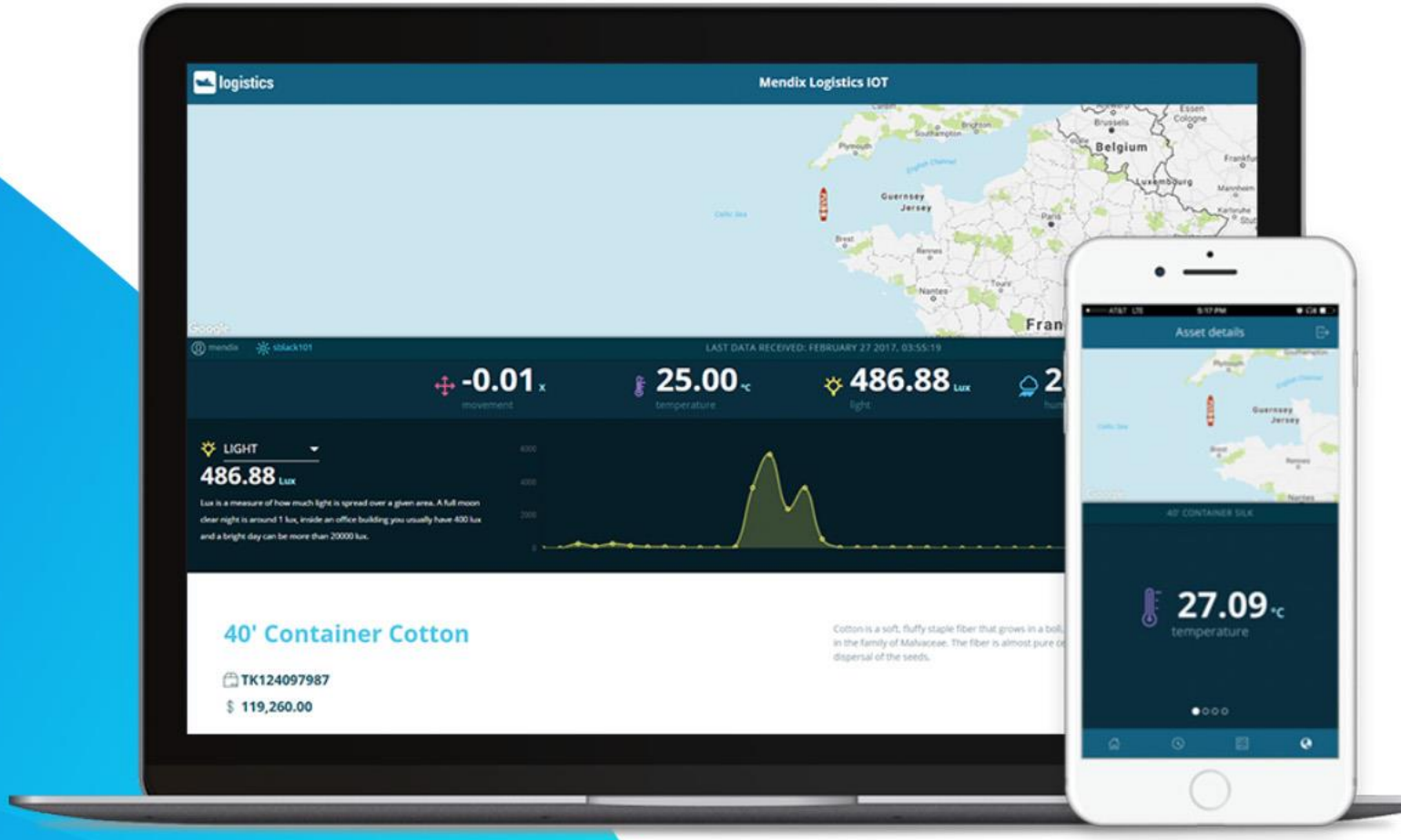
Demo

IoT Logistics Demo



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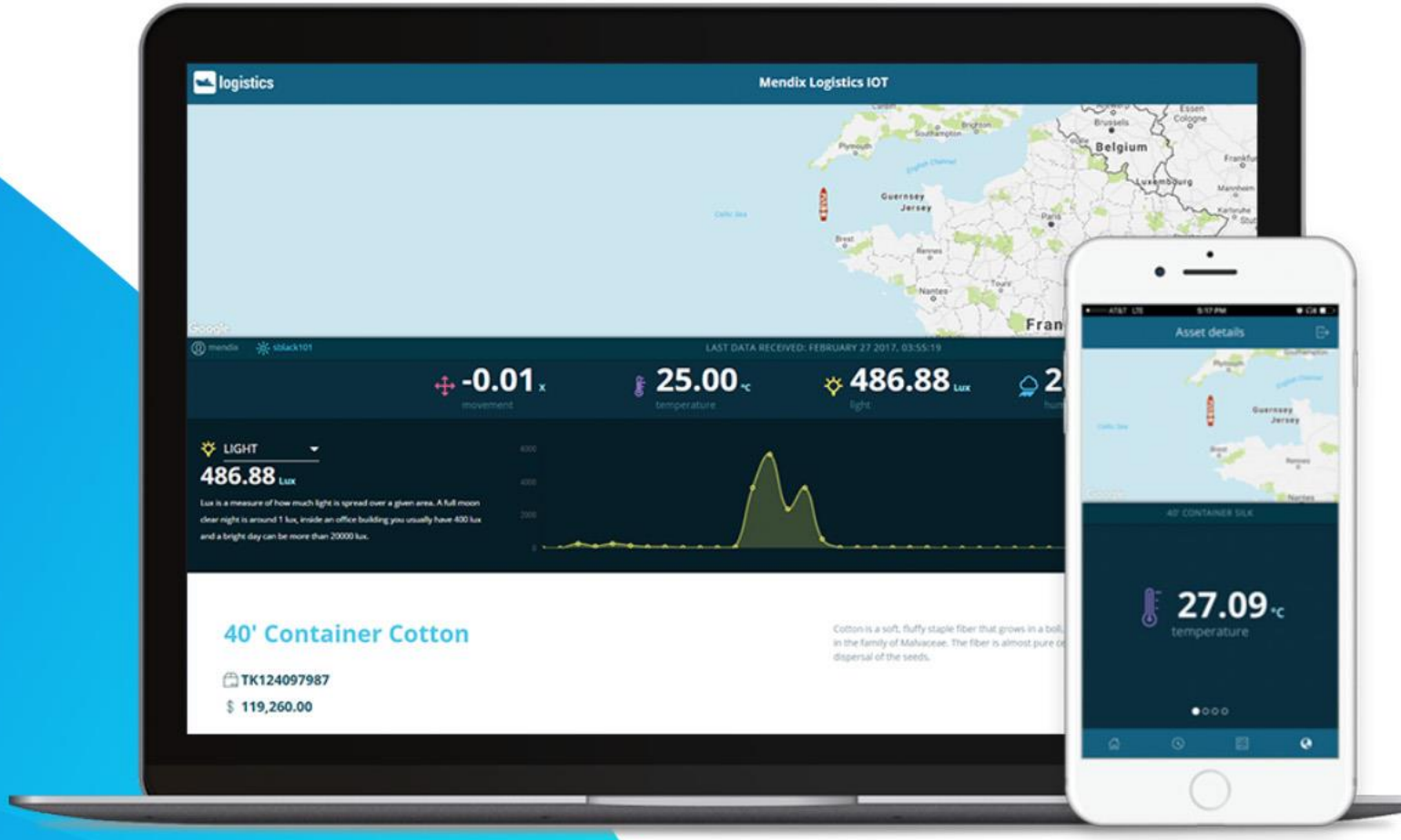
Build

Implementing IoT



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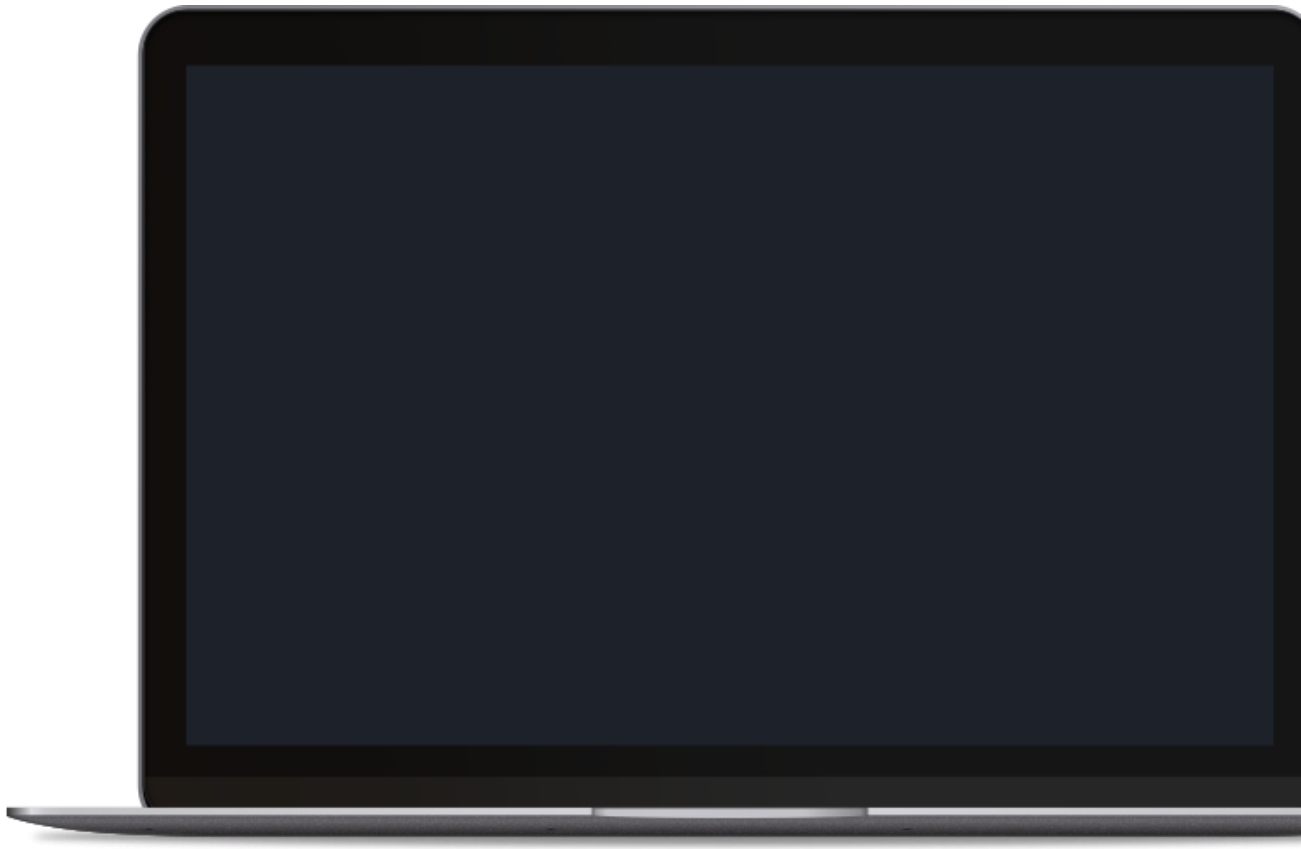
What will we cover?

- How to Manage Devices with AWS IoT
- How to Subscribe to an MQTT topic
- How to Publish to a MQTT Topic
- How to Use the JSON Mapper



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Questions
&
Answers

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