

W3C WoT Plugfest

Siemens + Oracle joint demonstrator

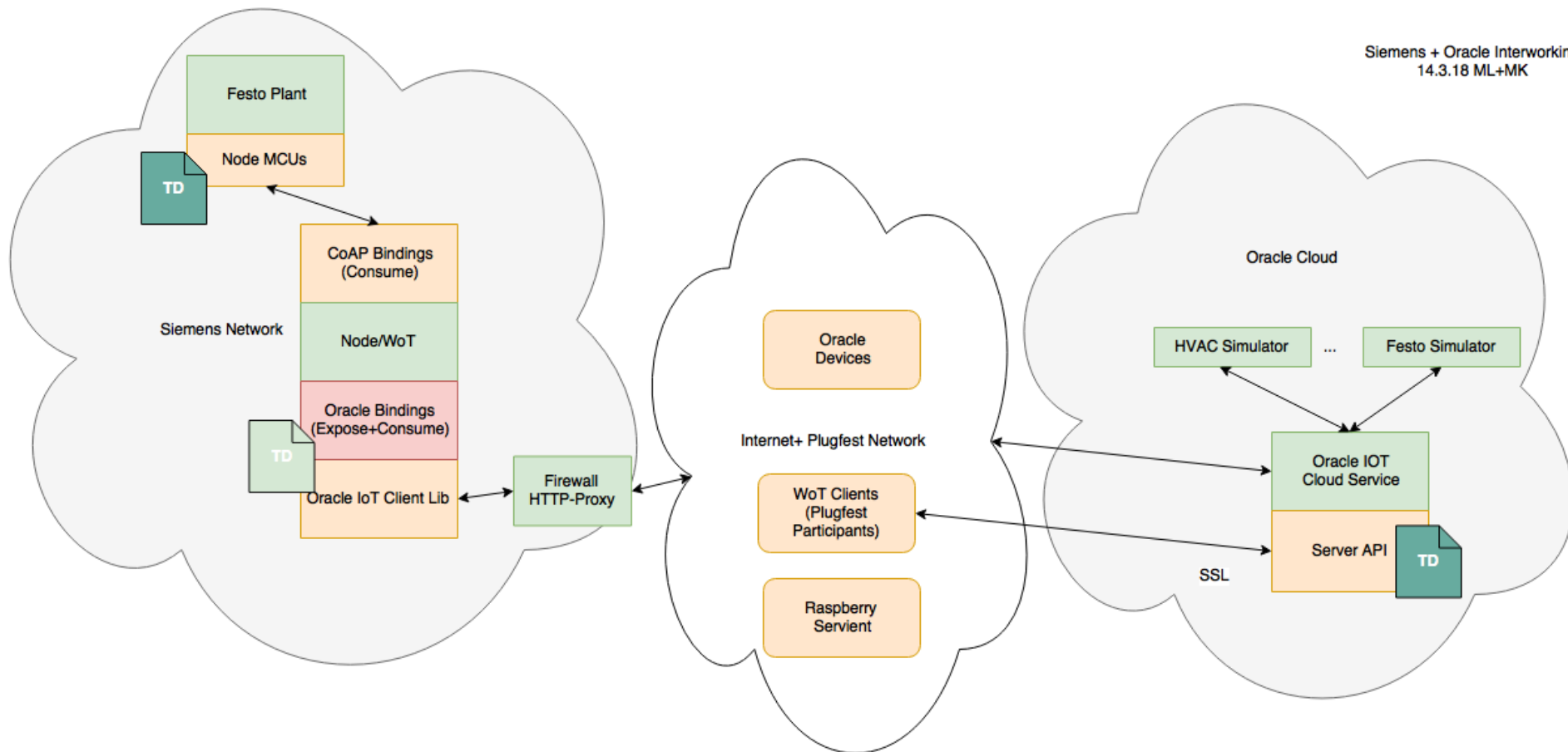
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Component Architecture

PlugFest Architecture

Siemens + Oracle Interworking
14.3.18 ML+MK



Devices / Services

Siemens Things

- Festo plant
- Node MCUs
- node-WoT Integration
- Raspberry Servient (LED)

Oracle IoTCloud Service Product

Oracle Devices

- Festo Simulator
- Connected Car Simulator
- HVAC Simulator
- Pump Simulator
- ...

Demo Scenarios

Physical Festo Plant

1. Festo Plant sends regular status info and alerts to Oracle IoT Cloud Service
2. WoT Clients can control Festo Plant valve and pump via IoT CS
3. Stand-alone HTTP Server displays alerts raised by Festo Plant

Simulated Festo Plant

1. Festo Simulator on IoT CS is exposed via Oracle Server API+TD and reports status and alerts to WoT Clients
2. WoT Clients can control the Festo Simulator running on IoT CS via Oracle Server API+TD

Integrating other Things and Devices

1. Other device simulators on IoT CS can be exposed by IoT CS and consumed by WoT-Clients
2. Other node-WoT Servients can expose Things to IoT CS using Oracle binding