Bundang plugfest results
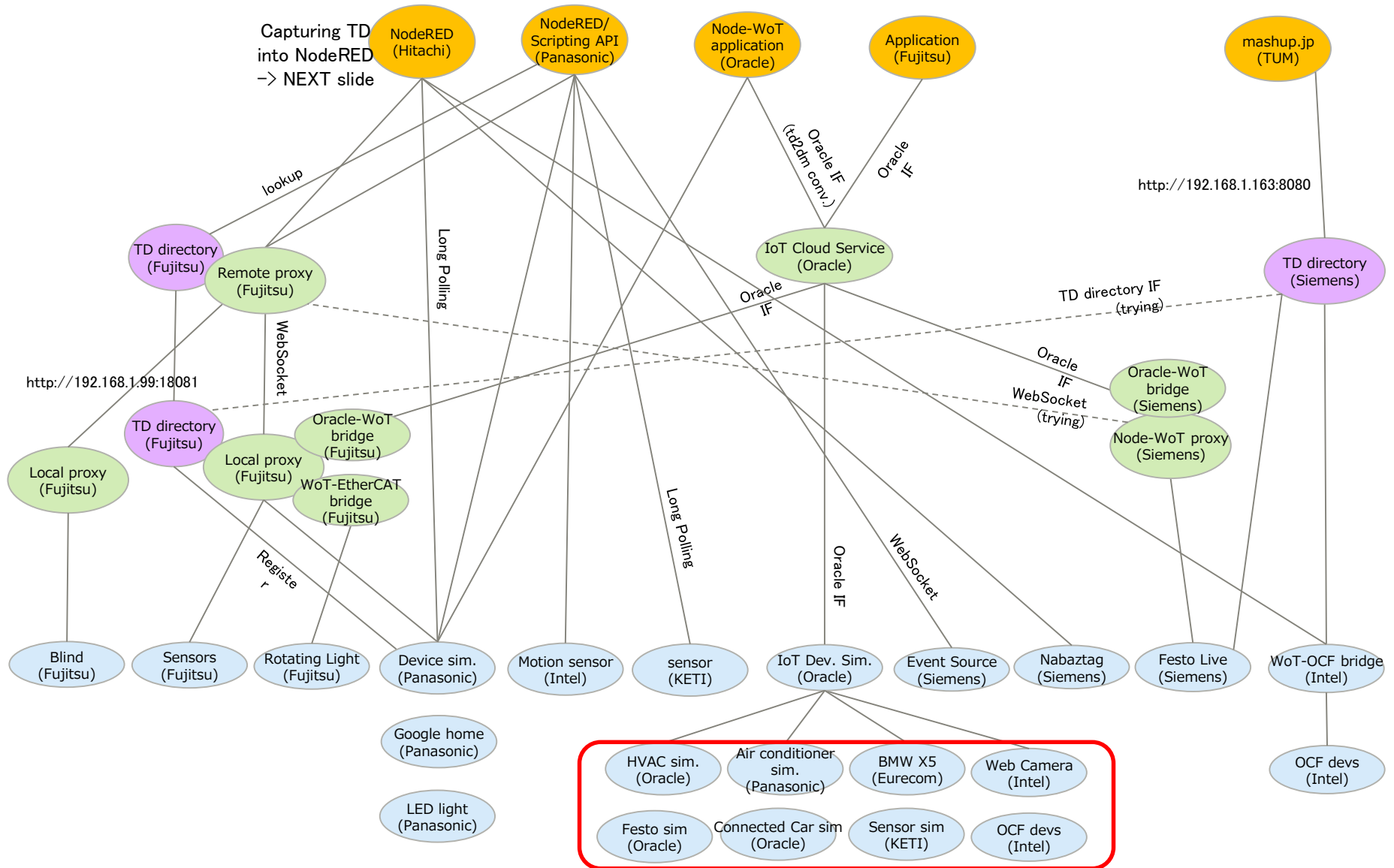
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Achievements of this PlugFest

Capturing TD into NodeRED -> NEXT slide

NodeRED (Hitachi)

NodeRED/ Scripting API (Panasonic)

Node-WoT application (Oracle)

Application (Fujitsu)

mashup.jp (TUM)

lookup

Oracle IF (td2dm conv.)

Oracle IF

http://192.168.1.163:8080

TD directory (Fujitsu)

Remote proxy (Fujitsu)

Long Polling

IoT Cloud Service (Oracle)

TD directory IF (trying)

TD directory (Siemens)

http://192.168.1.99:18081

WebSocket

Oracle IF

Oracle IF

WebSocket (trying)

Oracle-WoT bridge (Siemens)

Local proxy (Fujitsu)

TD directory (Fujitsu)

Local proxy (Fujitsu)

Oracle-WoT bridge (Fujitsu)

WoT-EtherCAT bridge (Fujitsu)

Node-WoT proxy (Siemens)

Register

Long Polling

Oracle IF

WebSocket

Blind (Fujitsu)

Sensors (Fujitsu)

Rotating Light (Fujitsu)

Device sim. (Panasonic)

Motion sensor (Intel)

sensor (KETI)

IoT Dev. Sim. (Oracle)

Event Source (Siemens)

Nabaztag (Siemens)

Festo Live (Siemens)

WoT-OCF bridge (Intel)

Google home (Panasonic)

LED light (Panasonic)

HVAC sim. (Oracle)

Air conditioner sim. (Panasonic)

BMW X5 (Eurecom)

Web Camera (Intel)

Festo sim (Oracle)

Connected Car sim (Oracle)

Sensor sim (KETI)

OCF devs (Intel)

OCF devs (Intel)

These simulated devices are generated by TDs for this Plugfest on Github.

Checking points (original)

FUJITSU

- **Multiple proxy interaction**
- **Application servients/Device servients**
- **Node-wot as a servient**
- **Scripting API implementation**
- **Thing Directory operation (multiple-directory integration)**
- **Device simulators**
- **Semantic integration (iotschema.org)**
- **Security (API keys, etc.)**
- **Accessibility**
- **Event handling**

Checking points (revised)

FUJITSU

- **Servient operations**
  - **Property handling**
  - **Event handling**
  - **Action handling**
  - **Thing Directory handling**
  - **Metadata handling?**
- **Architecture aspect**
  - **Multiple proxy interaction**
  - **Thing Directory operation (multiple-directory integration)**
- **Implementation aspect**
  - **Application servients**
  - **Device servients**
  - **Node-wot as a servient**
  - **Scripting API implementation**
  - **Device simulators -> Test framework?**
- **Others**
  - **Semantic integration (iotschema.org)**
  - **Security (API keys, etc.)**
  - **Accessibility**