

Some requirements of WoT Plugfest

July 12th, 2017

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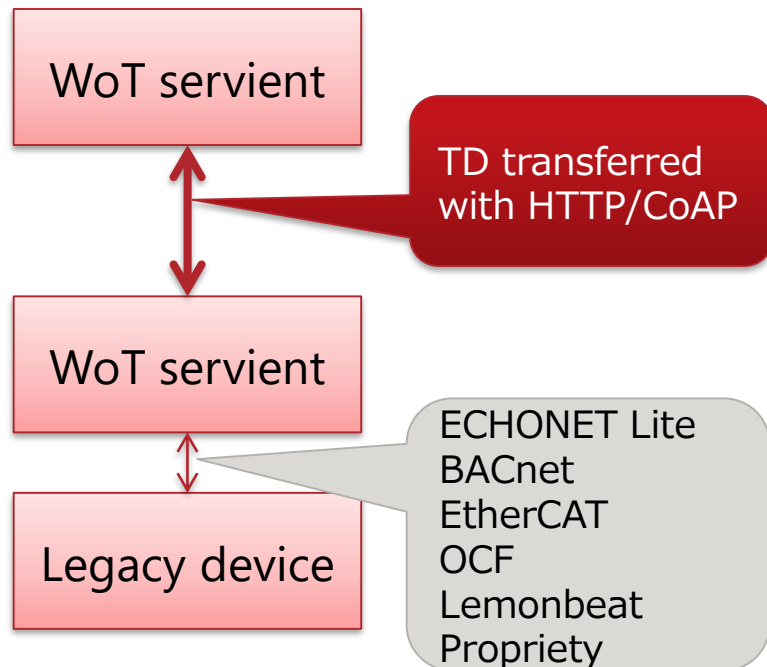
Fujitsu Laboratories Ltd. / Fujitsu Ltd.

Done until Dusseldorf meeting

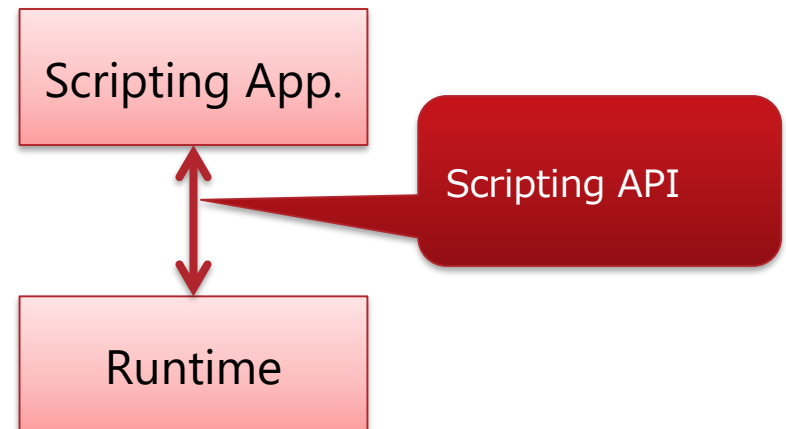
■ 2 types of connection we've already done:

- Controllers and Devices
- Scripting applications and Runtimes

(1) Controller and Devices



(2) Scripting app. and Runtime

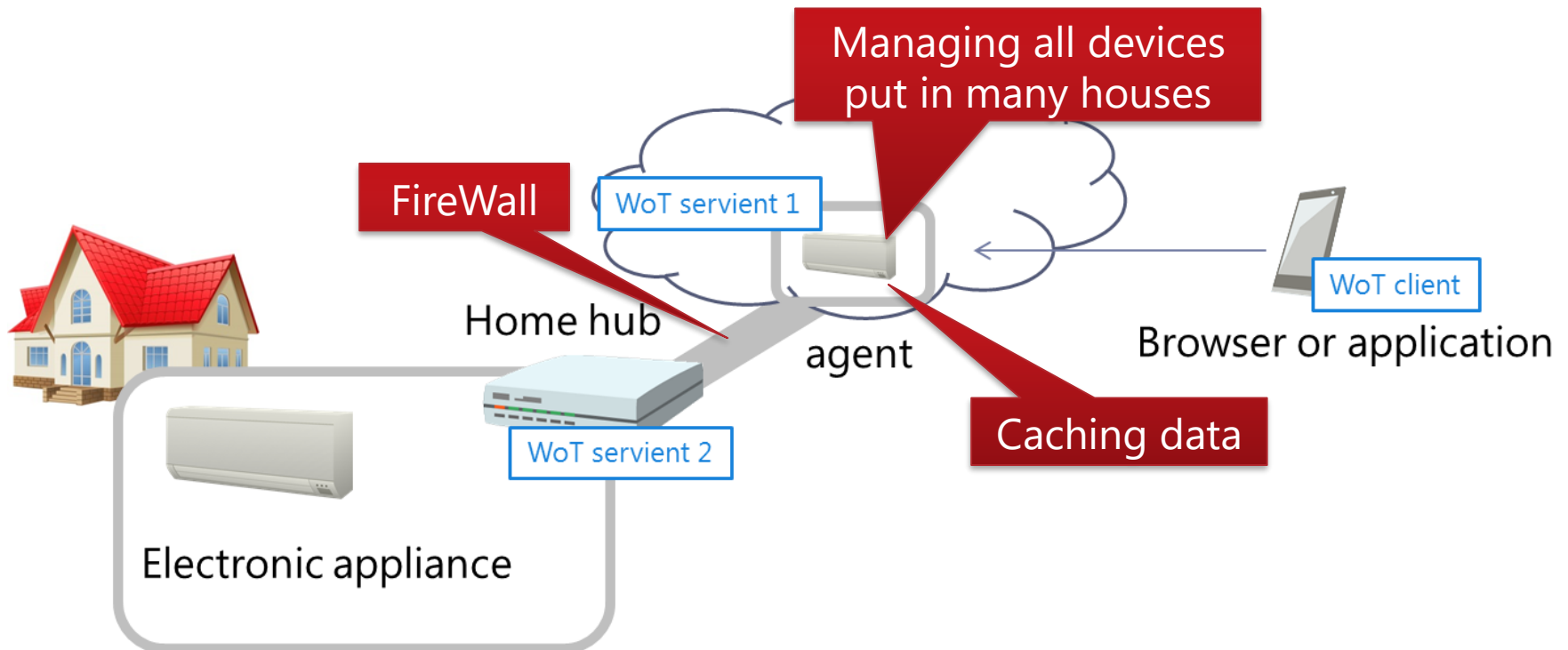


Next step of plugfest

- Consider more practical use cases for the next
 - Cooperation of two and more WoT servients
 - Integration of scripting apps and WoT devices

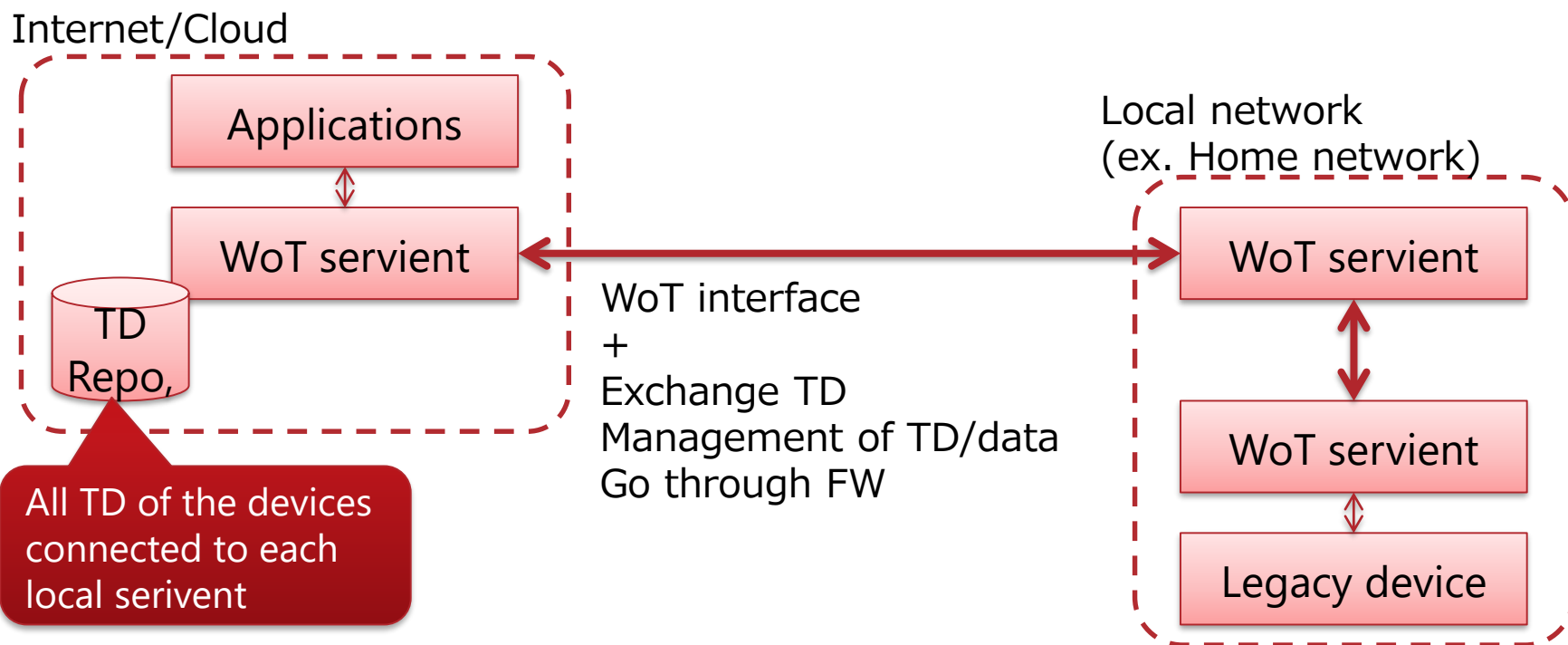
Example

“5.4.2 Smart home: Legacy device” on the architecture document



Some requirements for the nexts

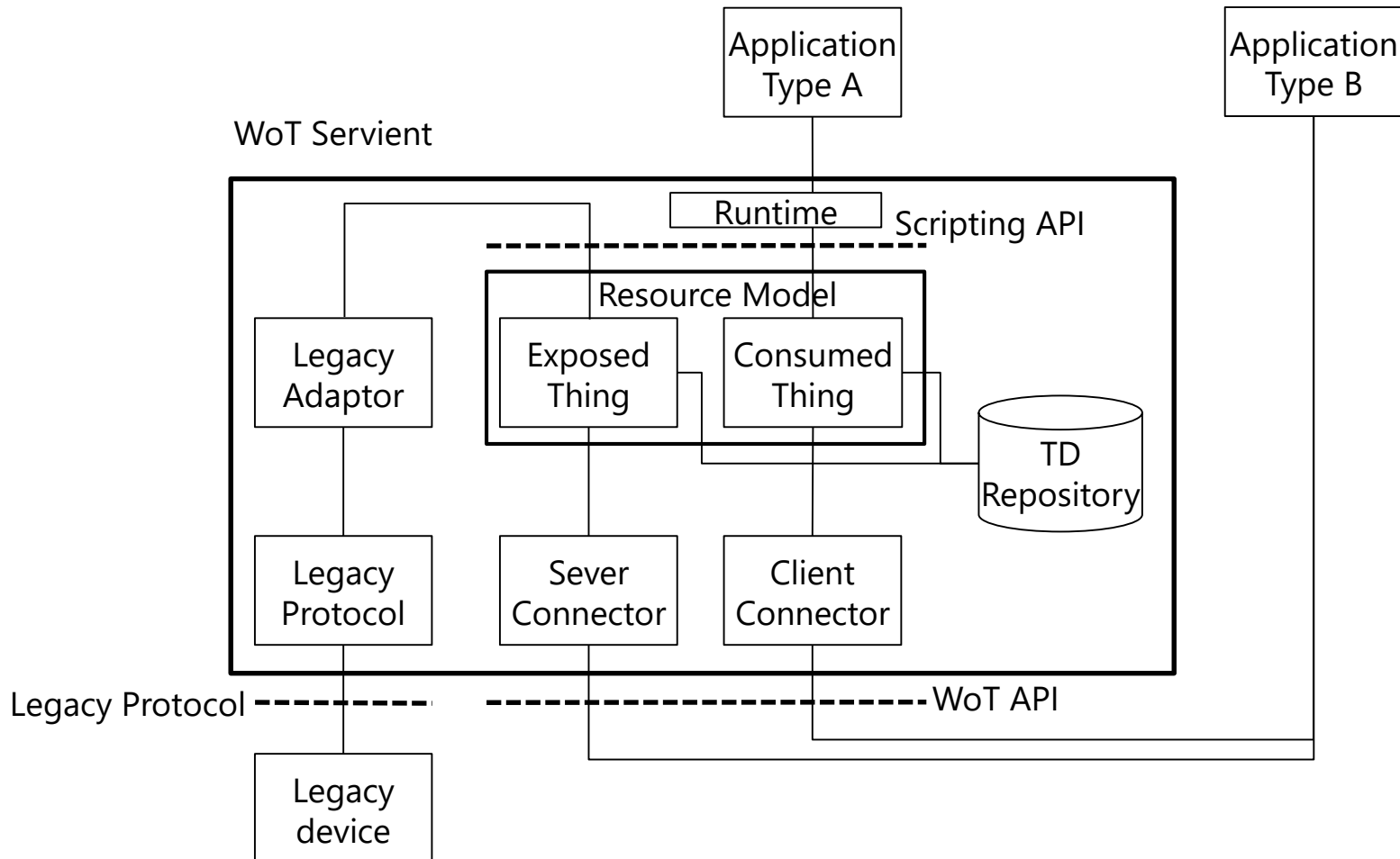
- How to exchange TDs between WoT servients
- How to manage TDs among WoT servients
- How to connect WoT servients via firewall
- How to manage data of the devices to cache on the Internet / Cloud



Should refine the architecture document and make specification

WoT Servient architecture

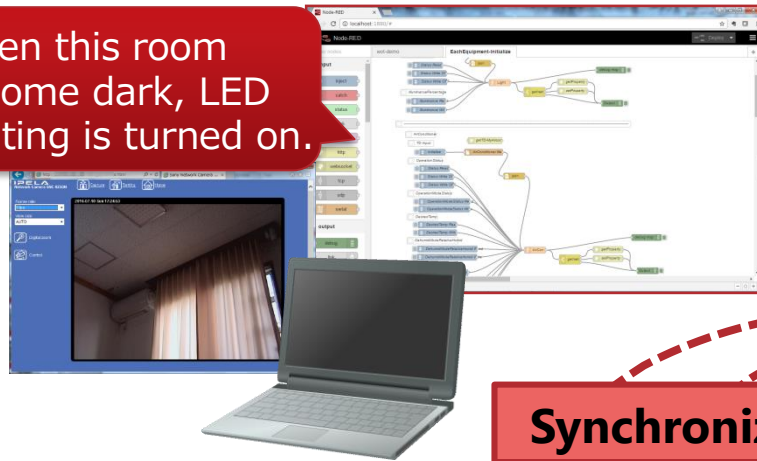
- 2 types application are described in the below
 - Type A: uses Scripting API to execute
 - Type B: uses WoT API to execute



Overview of our demonstration in Osaka

- Application operates Device shadows on cloud using WoT API.
- Synchronization mechanism can help to control widely distributed legacy devices via gateways.

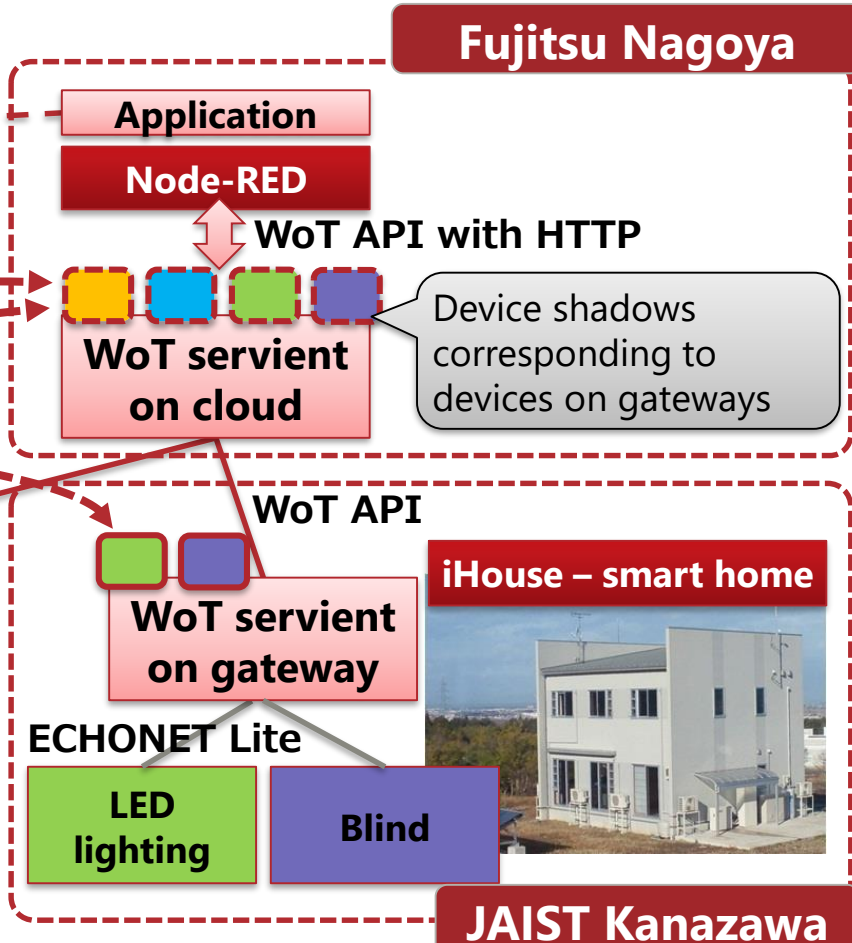
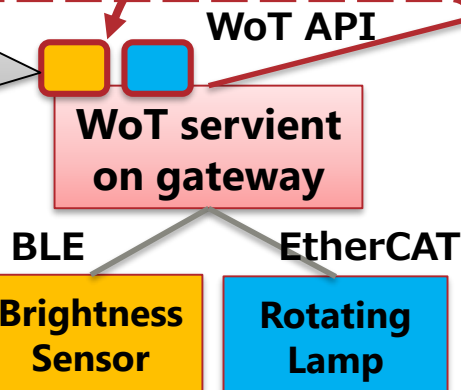
When this room become dark, LED lighting is turned on.



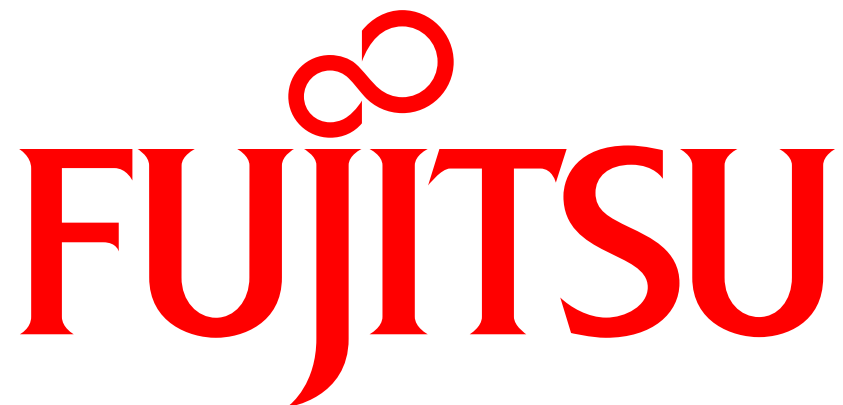
Device discovered and recognized to WoT servient



Panasonic Osaka



Thank you!



shaping tomorrow with you