

Home Automation APIs and Protocols Mapping Example

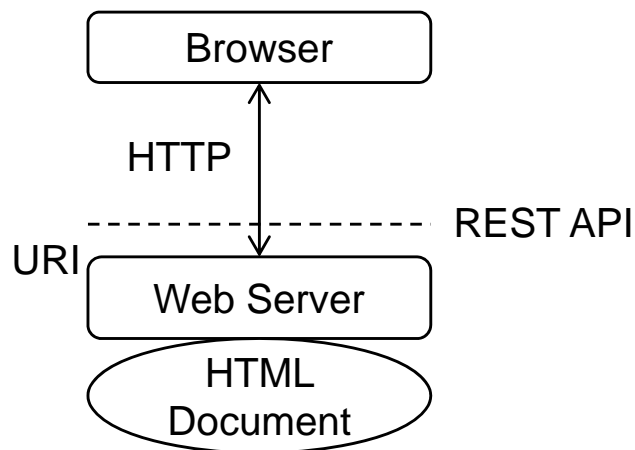
- Total Manager and Device Agent Model -

Kazuo Kajimoto

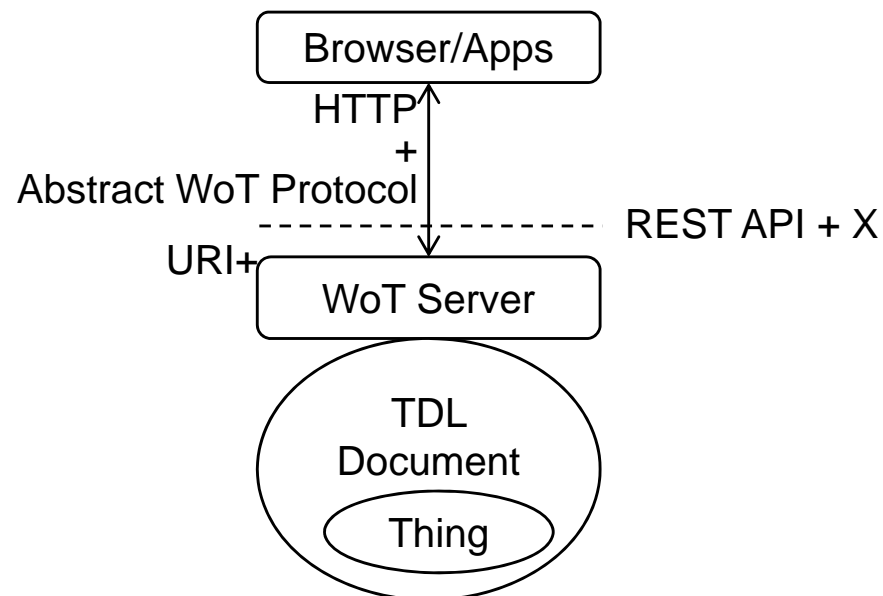
Group-wide CTO Office
Panasonic Corporation

Comparison between Web and WoT skeleton architecture
(as starting point for high level architecture image sharing)

Web skeleton architecture.



WoT skeleton architecture.



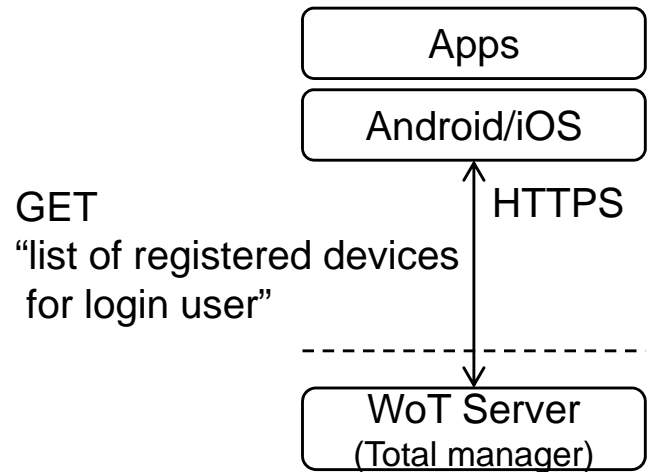
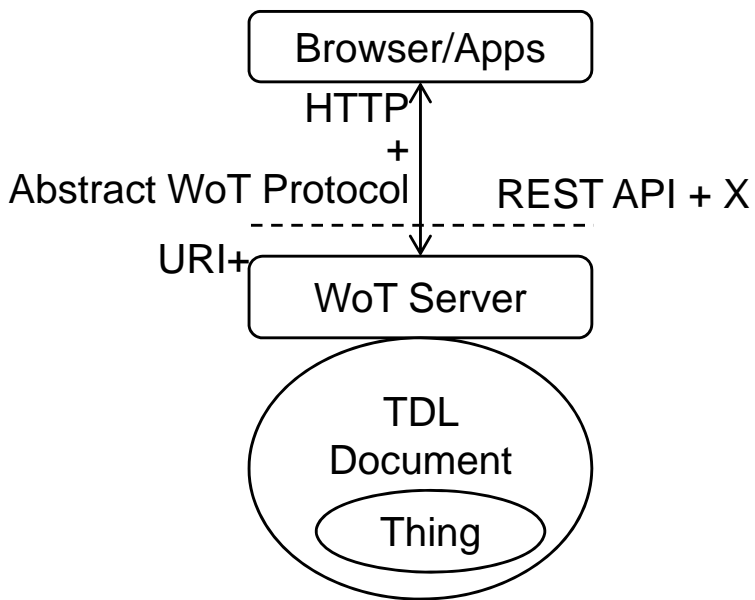
- What is the minimum requirement for (high level) WoT Server ?
- And we should share the terminologies definition.
- WoT Server is App or not ?

Input at F2F @ Munich

Home Automation (Device Discovery)



Device List



```

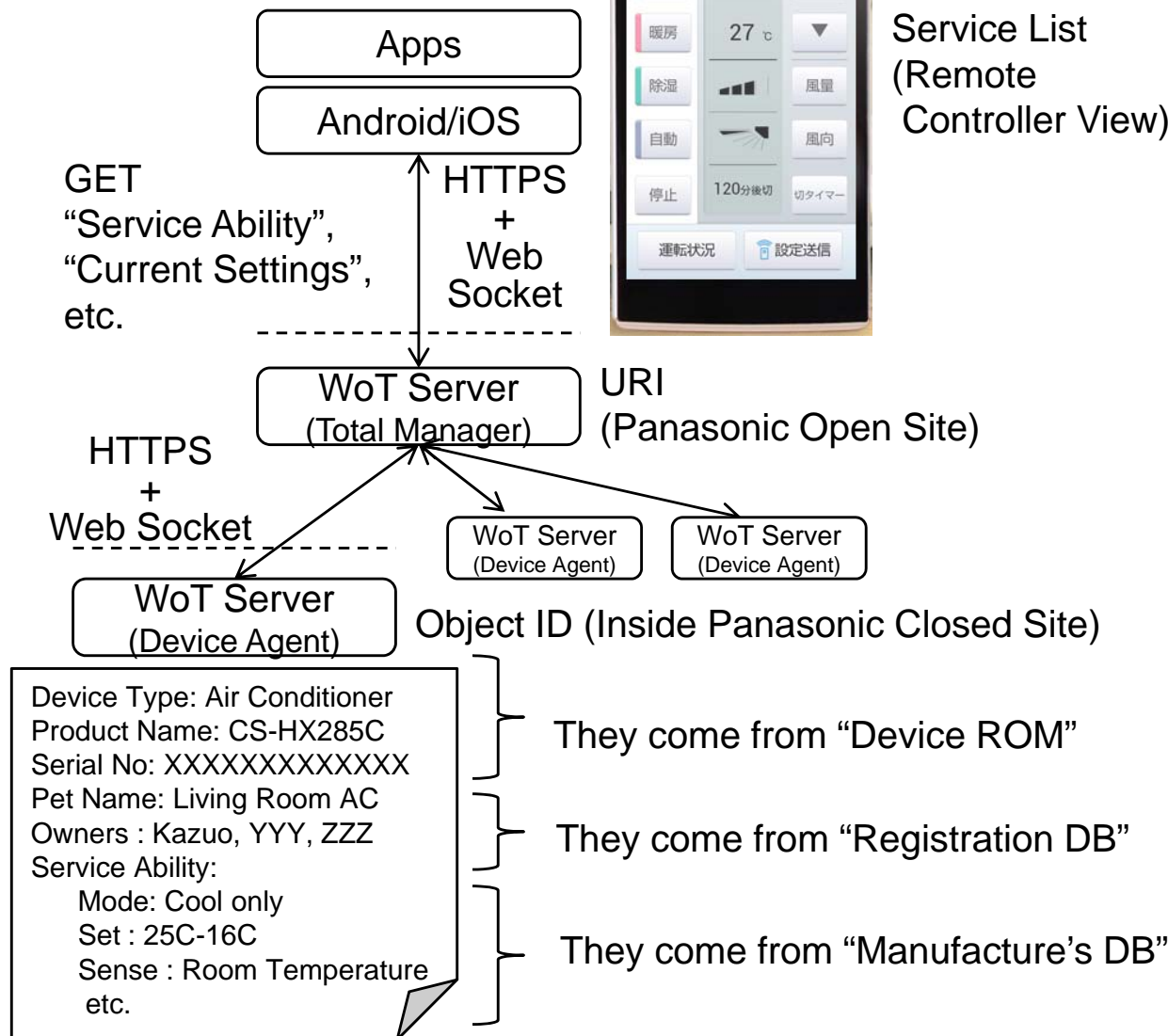
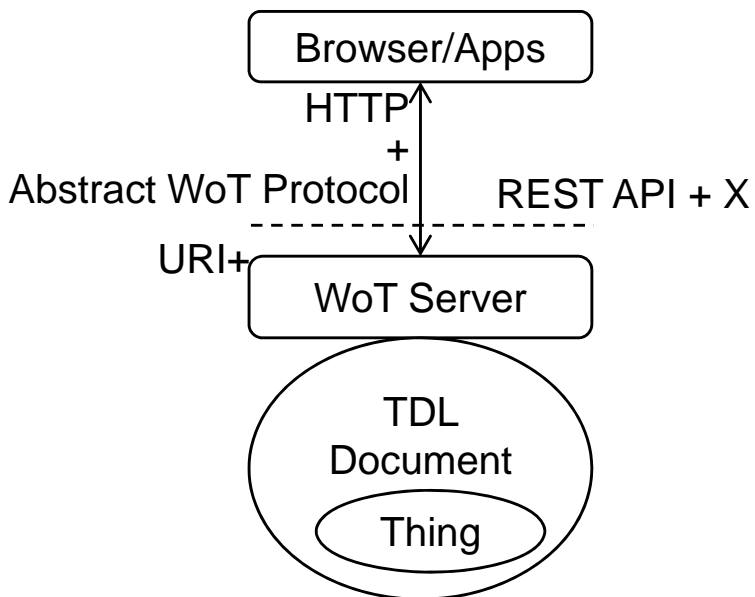
User: Kazuo
Number of Devices: 20
No.1:
  Pet Name: Living Room AC
No.2:
  Pet Name: Bed Room AC
....
No.20
  Pet Name: Rice Cooker
  
```

They come from "Registration DB" and not written in MLs such as XML, JASON-LD currently

Home Automation (Service Discovery)



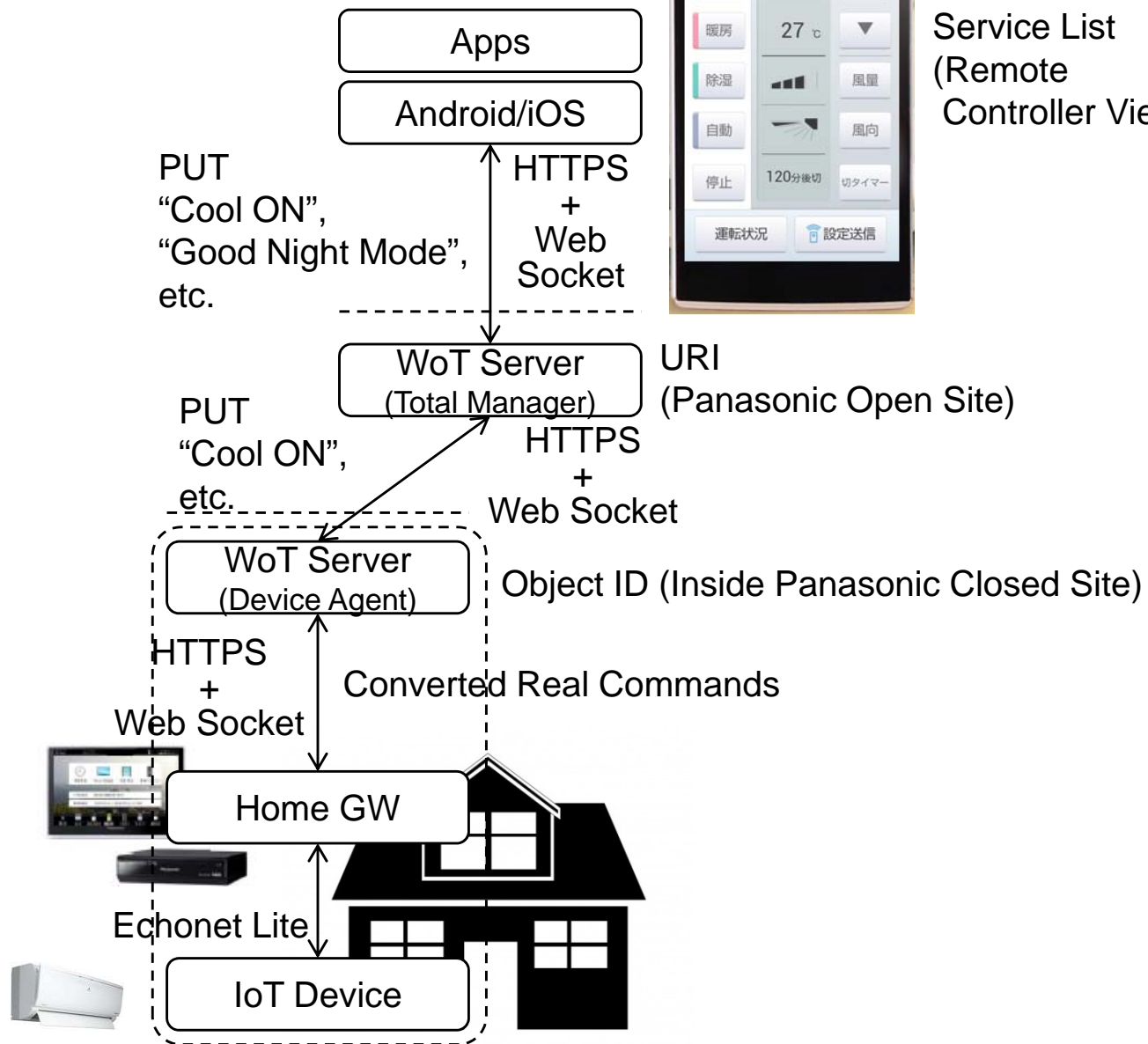
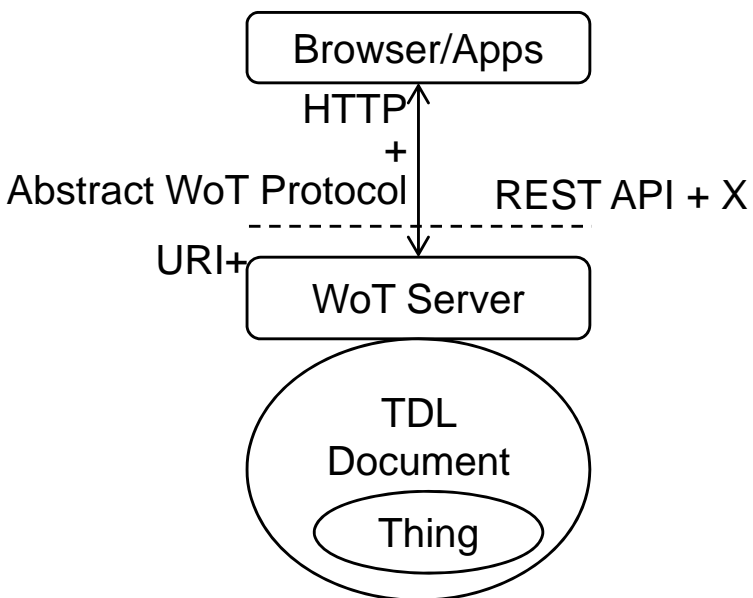
Service List
(Remote Controller View)



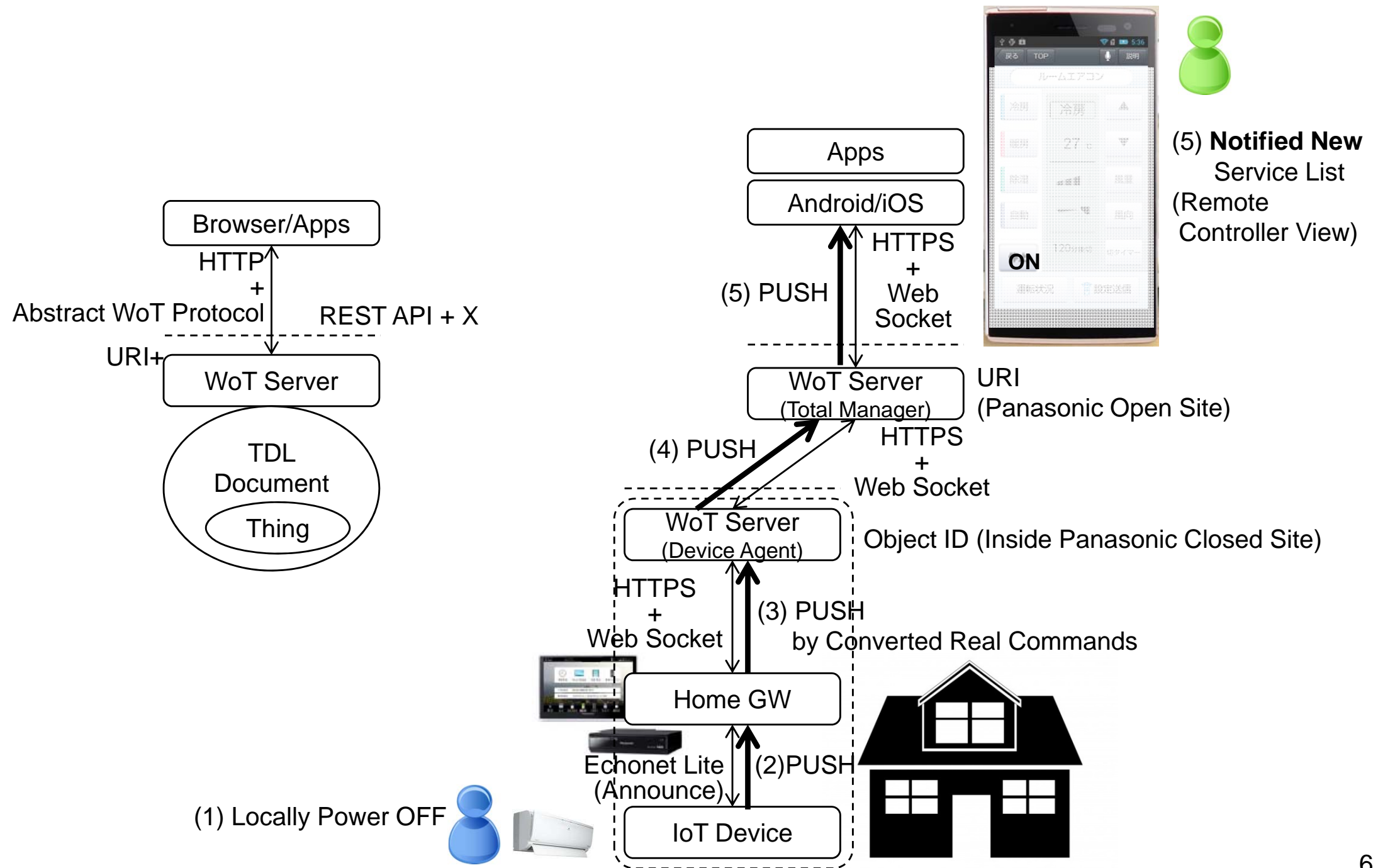
Home Automation (Control)



Service List
(Remote Controller View)

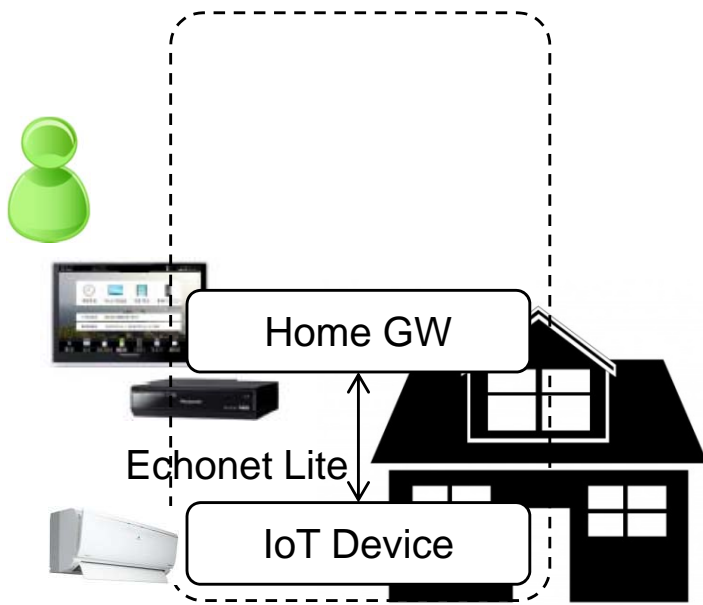


Home Automation (Notification)

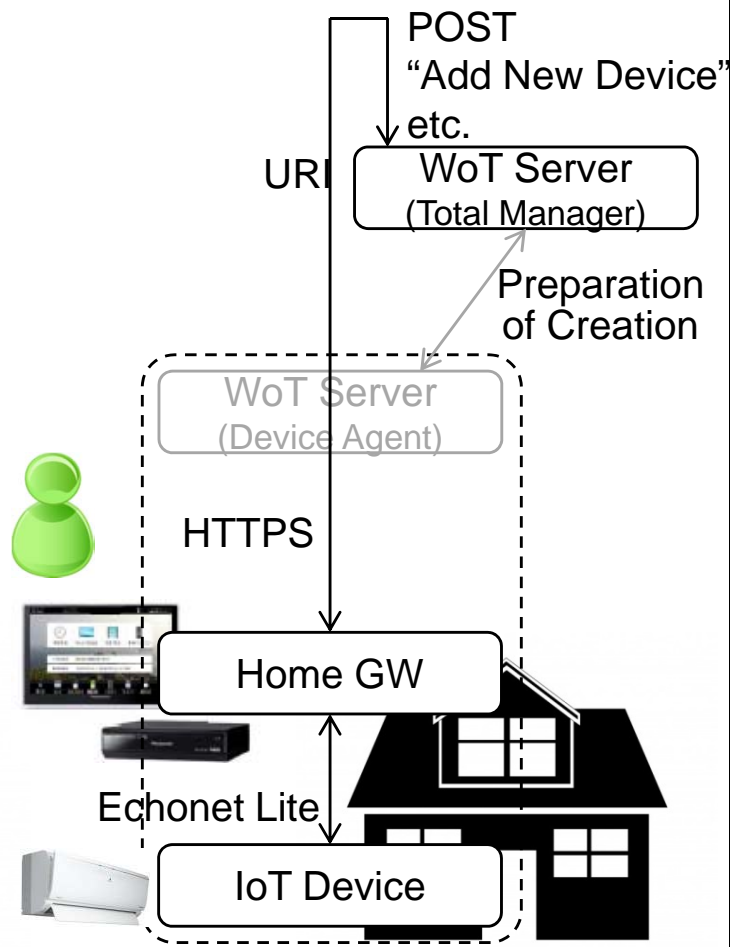


Home Automation (Set Up)

(Step1)
Locally Device Discovery
and
GW-Device Binding



(Step2)
New Device Addition
to Total Manager



(Step3)
Total Manager Creates
Device Agent

