

Home Automation APIs and Protocols Mapping Example

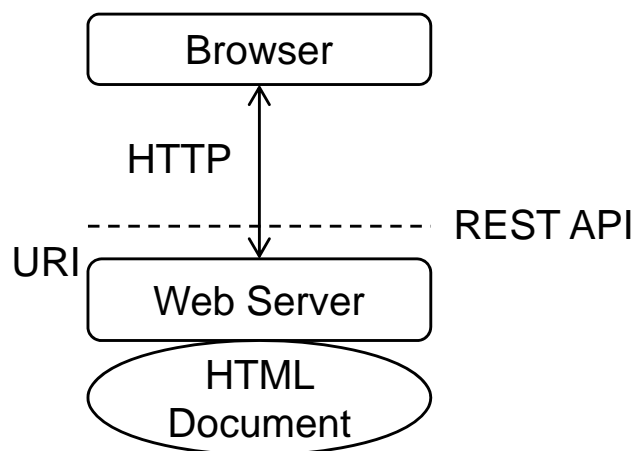
- Total Manager and Device Agent Model -

Kazuo Kajimoto

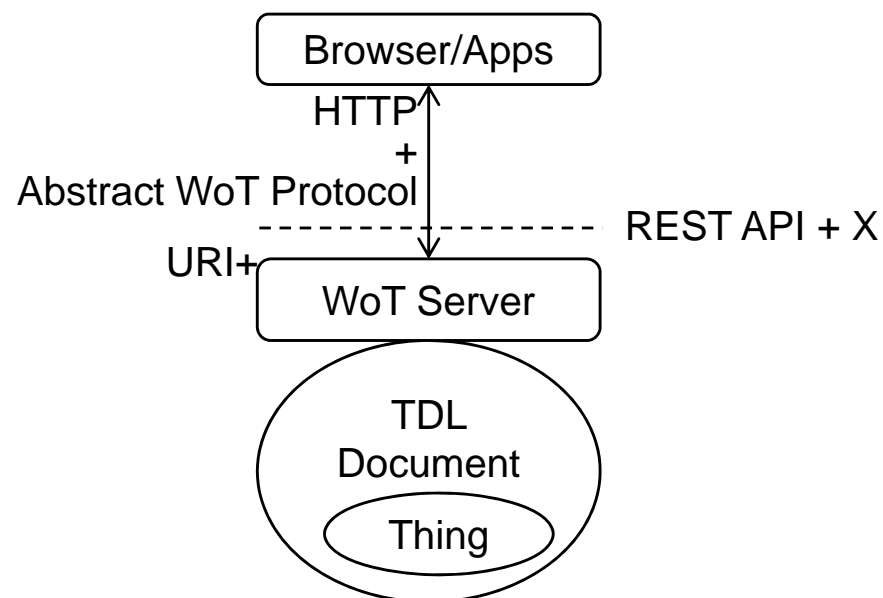
Group-wide CTO Office
Panasonic Corporation

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

Web skeleton architecture.



WoT skeleton architecture.



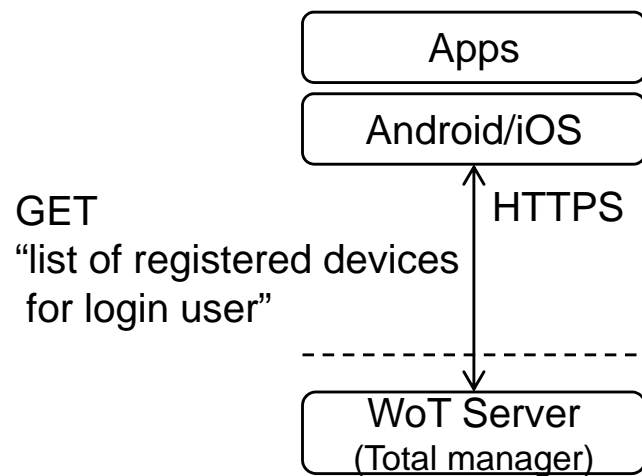
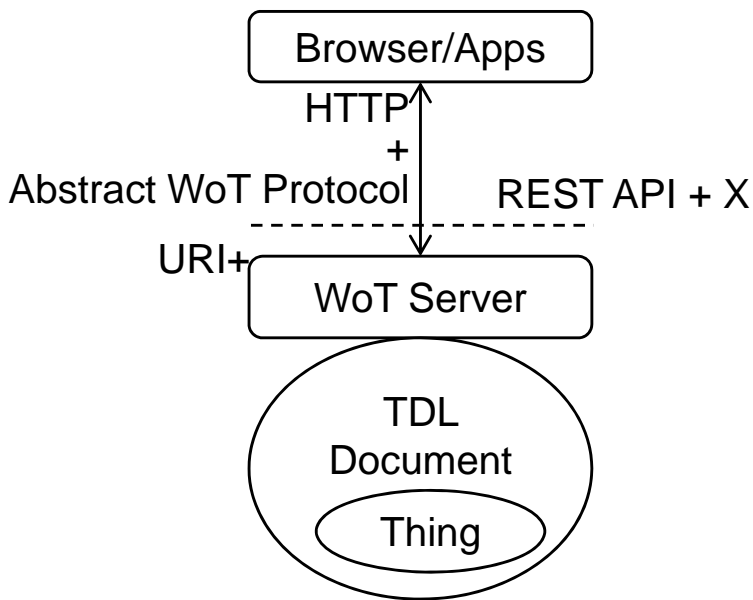
- What is the minimum requirement for (high level) WoT Server ?
- And we should share the terminologies definition.
- WoT Server is App or not ?

Input at F2F @ Munich

Home Automation (Device Discovery)



Device List



```

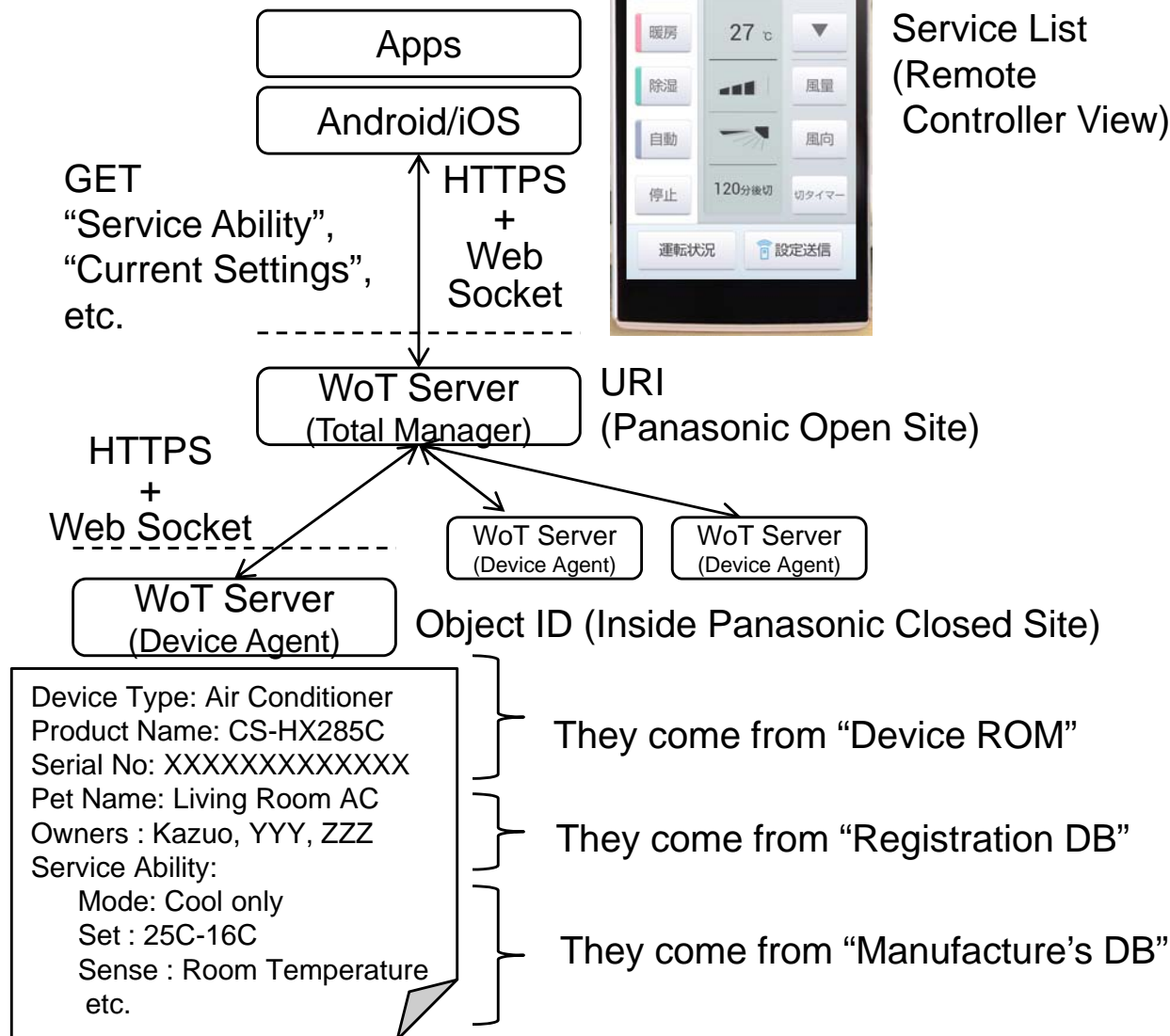
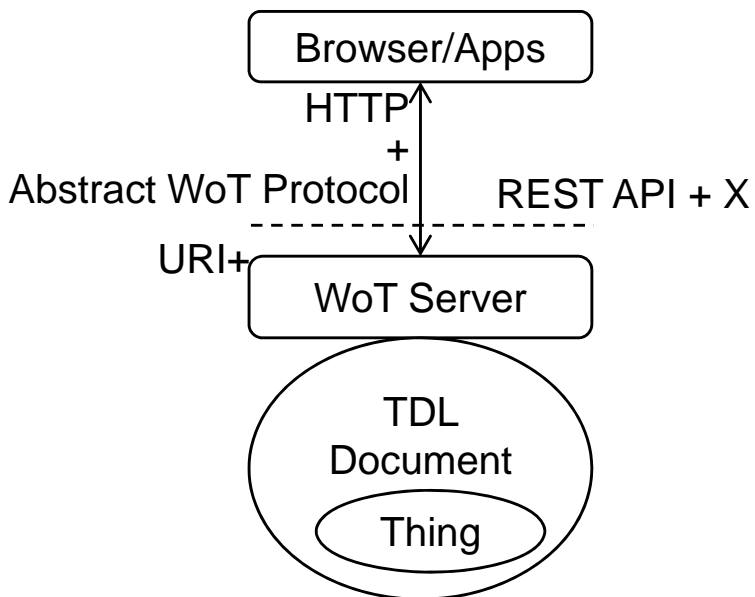
    User: Kazuo
    Number of Devices: 20
    No.1:
      Pet Name: Living Room AC
    No.2:
      Pet Name: Bed Room AC
    ....
    No.20
      Pet Name: Rice Cooker
  
```

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

Home Automation (Service Discovery)



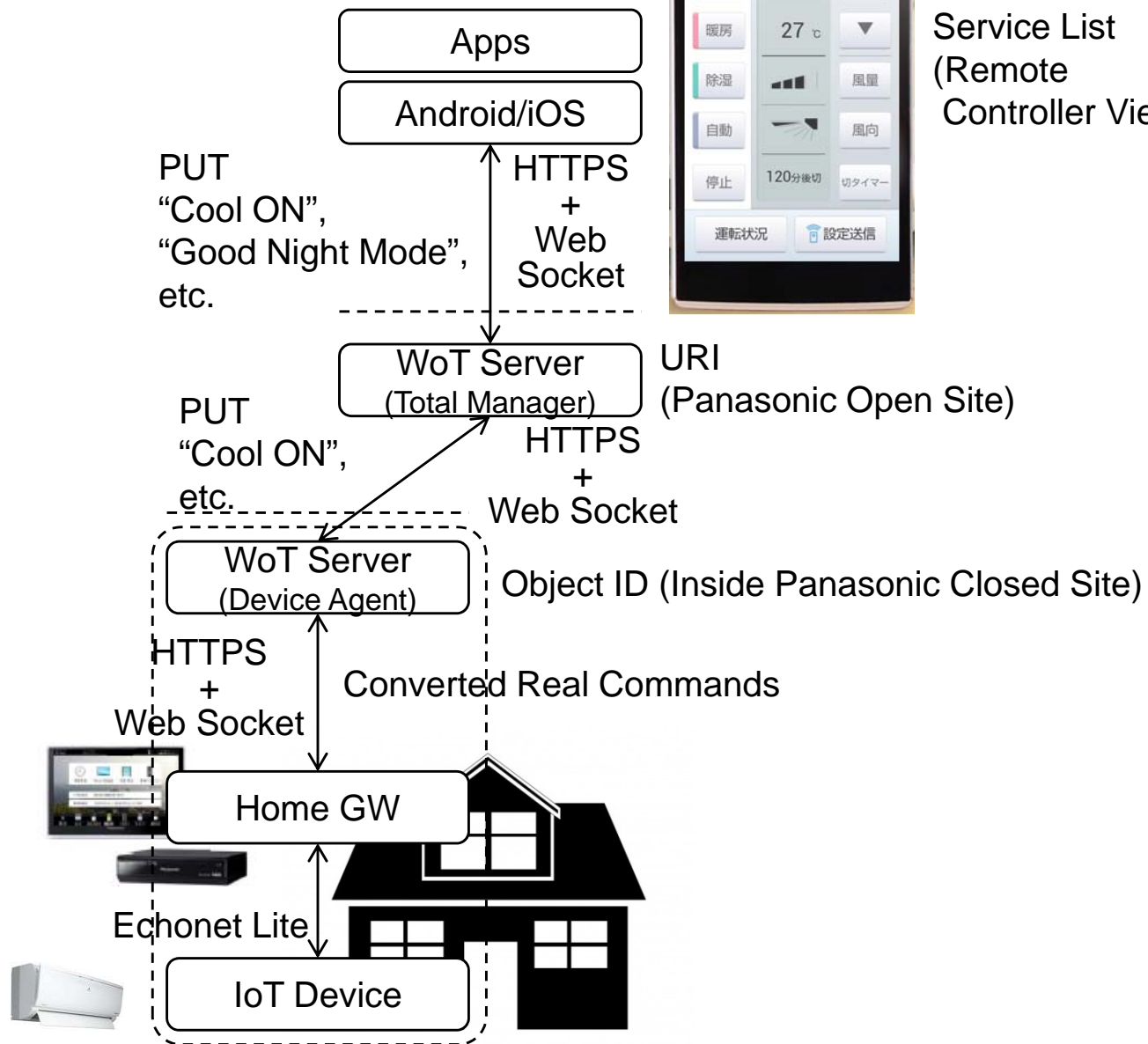
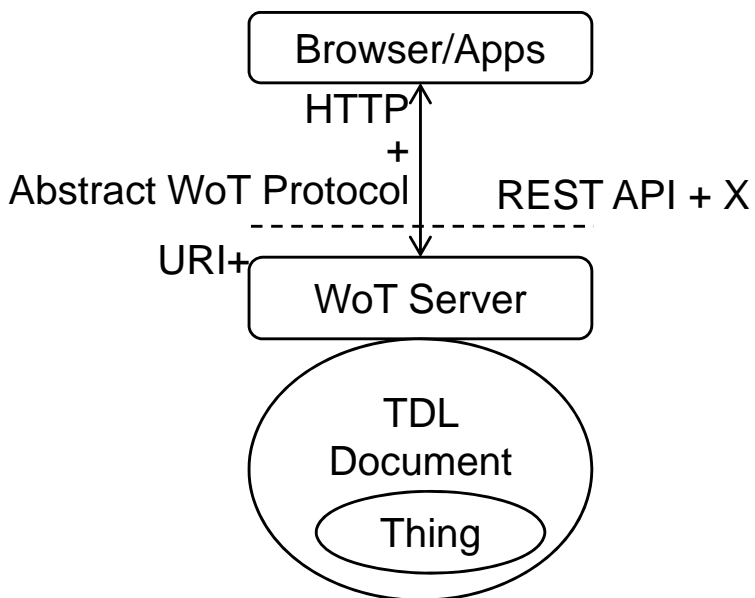
Service List
(Remote Controller View)



Home Automation (Control)



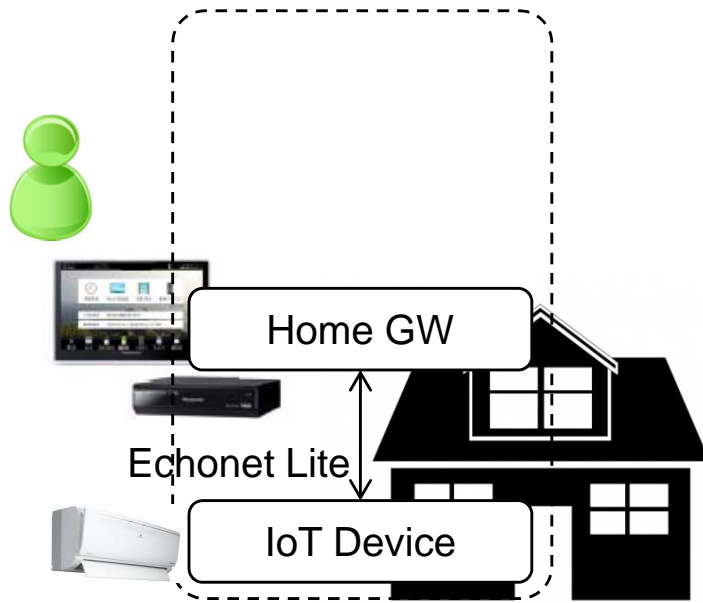
Service List
(Remote Controller View)



Home Automation (Set Up)

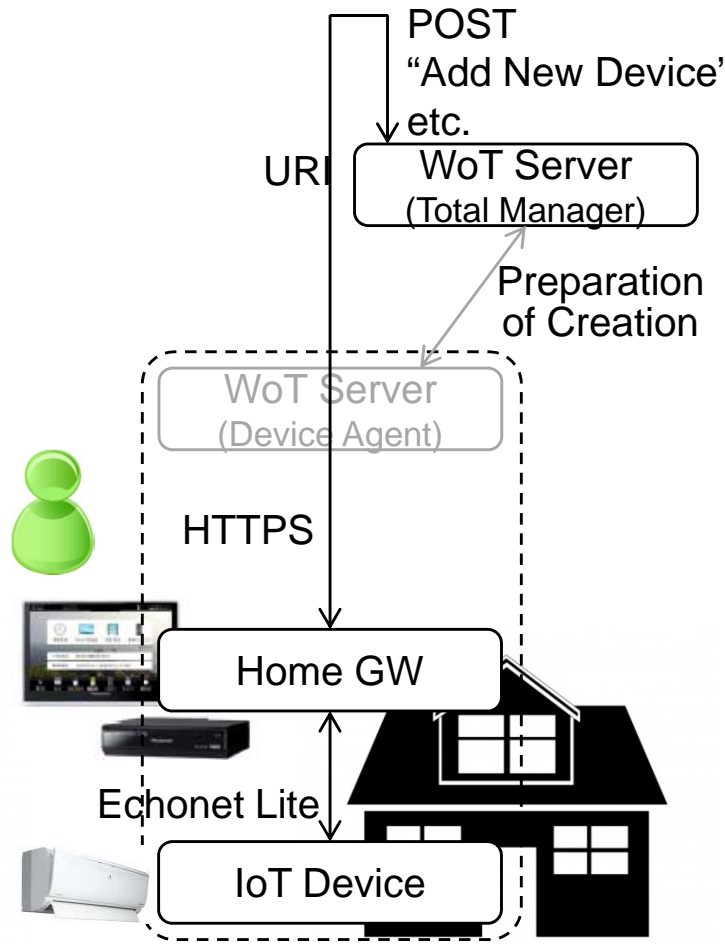
(Step1)

Locally Device Discovery and
GW-Device Binding



(Step2)

New Device Addition
to Total Manager



(Step3)

Total Manager Creates
Device Agent

