WISHI Hackathon

Summary and Planning

May 3, 2018

Summary from IETF 101

- Mostly used the W3C Thing Description and Thing Directory

- Used iot.schema.org models and vocabulary were used

- Protocol Bindings were tested

- Semantic annotation needs more explanation and guidance

- Logistics – setup, network issues, etc. - takes a lot of time

- IPV4 is still baked in

Next Steps

- Experiment with semantic annotation and discovery using CoRE RD and CoRE Link-format in addition to WoT

- Experiment with more diverse end device protocols and data models

- More automation of semantic queries - SPARQL syntax from URI-query options

- Automation of protocol bindings using software adaptation or translation

- Binding device capabilities to external Features of Interest (binding an instance of a thing with door lock capability to a specific door of your house) for contextual discovery

- More sophisticated applications, device to device orchestration

IETF 102 – Montreal in July

- Same basic format
- Focus more on the applications and scenarios
- Private LAN setup with internet routing and NAT
- More preparation before the event
- Online hosting of Directories and test things before the event
- Online Interop using F-Interop, now supports CoAP