WoT Profiles@TPAC

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19+20 Sept 2019

Agenda

- Setting the Scene
- Use Cases and Requirements
- Profile Spec Draft Overview
- Findings from Mozilla Web Thing (Description + REST API)

- Review Issues
- (Process Proposal)
- Scope and Timing
- Roadmap

Setting the Scene

- We are in the IG Incubation Phase
- We have a strawman proposal
- Collecting use cases and requirements
- Reviewing first issues
- Defining Scope / Roadmap

Interoperability

WEB OF
THINGS

Goal:

- A set of devices must work together in specific use cases
- Need constraints on data model and protocol
- Interoperability guarantee if all stakeholders conform to the profile

Tasks:

- Need to generate use cases and requirements
- Need to define clear terminology
- Consider subset of devices, e.g. gateways, cloud
- Need to define interoperability
- Constraining devices and consumers
- Need to cover legacy devices – identify a large subset
- Use cases: Home, Industrial, Combined (Smart City)
- Do we also have to define behaviour?
- Define consumer side requirements
- Sanity check + Validation against existing TDs

Use cases

- Constrained systems e.g. in the home
- Need to define patterns to use
- Need Use Case Template – Define in next call

Profile Scope Proposal

- Interoperability Profile (depending on the use cases)
- Template Profile
- Digital Twin Profile
- Others?

Profile definition:

- Constraints and Recommended Practice on:
  - Data Model
  - Protocol Bindings

Process Proposal

- Start with a reasonable set of use cases and requirements
- Agile process using Scrum
  - Define use cases and requirements (user stories and tasks)
  - Review and approval by the group
  - Spec updates at the end of each sprint

- Sprint length tbd. (1 month ?)

Roadmap: Actions for next Profile call

- Define use case template
- Define what a profile is
- Combined Requirements and Use Case document