

## System Management WG Agenda: 09/24/19

**Attendees:** Jim (IoTech), Michael, Trevor, Akram (Dell), Alex (VMWare), Lenny (Intel), Joe (IBM), Rodney (Beechwoods), Ike. (Attendees who may have joined after the start of the meeting may not have been captured and listed)

**Note:** Discussion and action items as a result of meeting in **RED**

### Old Business

- Open Horizon sub-project
  - Devising proposal to include OH as a subproject for a release or two – an incubation project
    - Steps to official incubation status within EdgeX - Discuss at F2F, target EOY
    - Incubation lifecycle with EdgeX Foundry - one or two releases after Geneva
    - Preparation towards LF Edge - concurrently with incubation period
    - LF Edge project proposal and acceptance - EOY 2020
  - Current work in <https://github.com/joewxboy/horizon-edgex>
  - StarlingX as sub-project of Akraino serving as an example
  - A formal document/agreement is helpful – what we are working toward at this time
  - Would allow us to set up some sort of precedence for the future
- CLI impl –in holding
  - Looking for user input, roadmap items for Geneva, etc.
  - Issues on Github welcome
- Fuji Work
  - Metrics collection – complete
  - Set Configuration (PR 1775)
    - go-mod-contracts part – done
    - implement more unit tests / refactor clean up for SMA
      - Adding new thread safe GenClients is part of this effort
  - Start/stop/restart with SMA inclusive (pushed to Geneva)
  - Issue #1763 – not thread safe GenClients completed/merged
  - Issue #1780 – came from #1763 – being worked by Michael (at this time looks like a non-issue – config v. code fault; maybe no code changes)
  - Bug #1742 – PR 1778 submitted; failing on sonar check
  - PR #1775 – what the proper response should be with reg flag not set (need error handling and error post if registry not connected)
- Geneva Scope Prioritization (in order)
  - a. Support Async calls to SMA (non-backward compatible)
    - i. Callbacks or pub/sub responses
  - b. Start/stop/restart inclusive of SMA
  - c. Setting readable config (restart service)
  - d. Support Set Config of file-based config???
    - i. Issue with this – not scalable and could be done with service stop, change, start
    - ii. In theory – use tool to stop, deploy config, start
    - iii. Not part of Geneva by consensus
  - e. Cross cutting concerns
    - i. HTTPS for endpoints of all services (cross cutting concern)
    - ii. Role based security on SMA APIs

- CLI, next features?
  - OH roadmap items - TBD
- CoAP research
  - <https://tools.ietf.org/html/rfc7252>
  - [https://en.wikipedia.org/wiki/Constrained\\_Application\\_Protocol](https://en.wikipedia.org/wiki/Constrained_Application_Protocol)
  - REST for constrained devices (low power, lossy networks). It addresses the service layer - not application layer.
  - A DS could address ingesting CoAP sensor data, but not right for underlying REST/message infrastructure – too low level
  - With recent abstractions in place in Core services, replacement of HTTP implementation could allow for this by third party
- OneM2M research
  - Competitive IoT platform – not much call for interoperability at this time
- Open Alliance spec – 1.1 to be reviewed

## New Business

- Any?