System Management WG Meeting: 1/8/19

Attendees: Rodney (Beechwoods), Beau & Lenny (Intel), Akram, Trevor & Jim (Dell), Michael (LF), Andy & Tom (IoTech), Ike, Janko (Mainflux). Attendees that may have joined after the start of the meeting may not have been captured and listed.

Discussion and action items as a result of meeting in RED

Old Business

- Start/stop/restart EdgeX micro services – redesign API
  - Akram has docker-compose functionality working with DinD.
  - Now need consistent API to address – review proposed design document
    - Start/Stop/Restart via docker-compose
    - Start/Stop/Restart via external app (could be script, could be snappy exec, …)
    - Allows for 3rd party extensions or other approaches in the future.
    - Go Plugins only work in Linux envs today
  - See associated design document for discussion and changes
- After start/stop…
  - Go C SDK API work to be done
  - Add CPU usage metrics (in addition to memory usage metrics)
    - Additional API (and pass through to the services) to be added to the SMA
    - Look at abstraction around metric APIs to allow for other implementations going forward
    - Example: allow memory and CPU metrics to be provided by external executable
  - Add health/status check of the services to the SMA
    - This will be a call through to the configuration/registry service (Consul)
    - Allows a single point of entry for all EdgeX control plane needs
  - Stretch goal – provide a translation layer (with abstraction) to offer SMA API via other protocol (like LWM2M, SNMP, etc.)
    - At last meeting, merits and options like SNMP, plain REST (as is) or MQTT were discussed as was OneM2M
  - No updates
- Long term road map update (see separate doc for this meeting)

- https://wiki.edgexfoundry.org/download/attachments/329501/EdgeX%20Foundry%20System%20Management%20Roadmap-11-26-18.pdf?version=1&modificationDate=1543285863433&api=v2

New Business

- None