

System Management WG Meeting: 12/11/18

Attendees: 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 effort (see separate deck for this meeting)
 - POCs nearly complete (able to start / stop services through Docker-in-Docker image)
 - Akram working on Dockerizing the SMA with DinD
 - Next step – redesign of interface/interfaces
 - Following many of Ian’s suggestions
 - Planning to make type for wrapper around inputs
 - Action, and service names
 - Dealing with return results from executable or docker-compose call
 - Want plugin model to reduce inclusion of all the “executors” – but not solved yet (Trevor working in Core WG with regard to DBs)
- 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.)
 - Likely focusing on SNMP as first option
- 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

- Any?