

## System Management Working Group – March 20, 2020

### Attendees



Michael Estrin (Me)



Ike Alisson



Jim White



Lenny Goodell (Intel)



Mike (Intel)



Trevor Conn



Alexandre Courouble



David Booz

### Old Business

1. System Management Service
  - a. Kanban Review (<https://github.com/orgs/edgexfoundry/projects/29>)
  - b. *Questions around self-seeding changes; expect issue(s) to show up by next meeting.*

### Items to Follow Up

1. CLI Review Follow Up (Alex/Diana/Malini, VMware / Mike, Intel)
  - a. *Alex finished PR he was working on – issue with some of clients not in go-mod-core-contracts; left as-is; Diana/Malini will take over this work going forward.*
  - b. *PR is ready to be merged; Mike to review.*
2. EdgeX-specific system-wide metrics follow-up (Jim White, IOTech)
  - a. <https://github.com/edgexfoundry/edgex-docs/pull/104>
  - b. *Topic to add to Hanoi pre-wire agenda*
  - c. *Do we have a desired implementation approach? (Jim)*
  - d. *What is the footprint we're targeting for EdgeX (and how might that impact our implementation approach)? What are the goals of capturing these metrics (how will they be consumed/used, what would they facilitate)? (Trevor)*

- e. *Facilitate (via configuration) push of metrics to someplace outside of the EdgeX system. (Jim)*
- f. *Should “control plane” event data be treated just like sensor event data and go through the same channels as sensor events? Or do we push these through System Management somehow? Or some other approach? We need to think about how to approach this for EdgeX. (Jim)*
- g. *Granularity of metrics? We wouldn’t necessarily want a metric generated for each HTTP call. (Trevor) Controls (“dials”) around usage/generation need to be identified and driven via configuration. (Jim)*
- h. *Definite value in metrics. (Ike)*
- i. *Crawl, walk, run – initial “crawl” approach*
  - i. *Service-level – what do we need to put into each service so it has the ability to send out metrics in a common way? How do services advertise what metrics they generate?*
  - ii. *What consumes the metrics inside/outside the service?*
- j. *For Hanoi, we should integrate go-mod-messaging into all of the services. This would facilitate push model. “Pushed” Control plane events is one class of data. (Trevor)*
- k. *Will likely need to add some endpoints – to determine what metrics a service makes available and/or to turn on/off metric push. (Jim)*
- l. *Next step – Jim to add some of these bullets to ADR as explicit intended future direction.*
- m. *Next meeting – discussion on where metrics go/travel through system.*

## New Business

1. Other new business?