

# System Management Working Group – December 13, 2019

## Attendees



Michael Estrin (Me)



Alexandre Courouble



Ike Alisson



Jim White



Lenny Goodell (Intel)



Rodney Hess



Trevor Conn

## Old Business

1. Geneva Deliverables Review
  - a. System Management (<https://github.com/orgs/edgexfoundry/projects/29>)
  - b. CLI (<https://github.com/edgexfoundry-holding/edgex-cli/issues>) (Alex, VMware)
    - i. Issues outstanding are specific to Geneva's April target
    - ii. Believes current version is at a point where it can be used/tested; request to shift from holding
    - iii. Michael to review CLI (not yet tested on Windows)
  - c. Open Horizon (Joe, IBM)
2. CLI move from edgexfoundry-holding to edgexfoundry
  - a. Progress towards 0.1.0 deliverable (prerequisite to making request)
  - b. Review of related discussions in QA and Certification working groups
    - i. Met on testing CLI via TAF framework
    - ii. Certification – may be too early to see where it fits; might be used as UI to run certification tests
    - iii. Robyn – intro video to CLI for his team; follow-on conversation on how it can help them with testing
3. Additional EdgeX-specific system-wide metrics
  - a. On agenda for next security workgroup meeting
  - b. Suggestion to bring topic to other working groups (Odysseas)
  - c. Use security working group as a way to establish approach before bringing to other working groups (Trevor)
  - d. Focus on security group (and others) to have a quick conversation around what each working group might have to add to our metrics. *Jim will queue this up in each working group into the new year. Michael will not raise this with security at this point.*
  - e. Architecture up to system management working group; use the input from each working group to put together an architectural proposal.

- f. Not a Geneva deliverable.
- g. What purview does system management have over metrics? How does that affect UI? Would system-wide tracing fall under this? (Trevor)
- h. Let's use system management to figure out what metrics we want before we go system-wide with the implementation.
- i. System management has been always thought of as optional; isn't a deployment tool; is there to help facilitate via single endpoint to get system-wide status/state. (Jim)
- j. Need to focus on EdgeX-specific metrics beyond cpu and memory usage; how do we start – identifying what they are is the first step. (Jim)
- k. Proposal from system management is a follow-on. First understand the use cases.
- l. <https://github.com/rcrowley/go-metrics> is used by Intel in conjunction with Telegraph to gather metrics for other projects. (Mike)

## New Business

1. Patterns of asynchronous operations.
  - a. Token-based approach to asynchronous request; to restart system management agent. Request returns token; request is worked in the background; requestor could subsequently poll using the token for a result. (Trevor)
  - b. Poll-based solutions can be very expensive (wake-up, scaling). (Jim)
2. Other new business?
  - a. Michael is out the next three Fridays; our next meeting is scheduled for January 10, 2020.