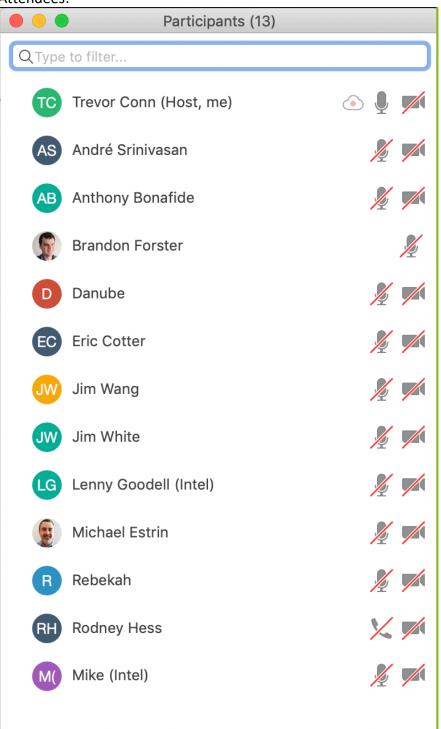
## Core Working Group Meeting Notes (30-May-2019)

Attendees:



## **Old Business**

• CapEx (Keith brought this up on TSC call 22-May)

- I was unclear of the items to which this might apply
- Tooling expenses, outside resources / services
  - Prep for Stage 3 project in LF
  - Deadline TBD (end of June)
- Translation services
  - Good idea but keeping it updated may not be sustainable
  - Malini's feedback was that English docs weren't hard to consume but that content was outdated.
- Michael Hall
- Slack ??

## **New Business**

- Review High-level Fuji deliverables
  - No sense of priority /sequencing on these yet, for the most part
- Deliverables list
  - Move to Go 1.12 (possible 1.13) (DELL)
    - Change service Dockerfiles
    - Update Snap scripts
    - Send note to Andy, can this be done in the testing area first?
  - No planned feature changes to Export services at all for this release
    - Bug fixes if necessary
    - Targeting deprecation after Edinburgh support ends
      - When is this BTW? Is Edinburgh LTS?
      - LTS is a TSC question, need a decision/discussion on this.
  - Core / supporting services
    - Upgrade Consul to version 1.5 (DELL)
    - Complete Device / DeviceProfile rework (VMWare)
      - <a href="https://github.com/edgexfoundry/edgex-go/projects/10">https://github.com/edgexfoundry/edgex-go/projects/10</a>
        - In scope for Fuji
    - Similar issue for Device / DeviceService
      - <u>https://github.com/edgexfoundry/go-mod-core-</u> <u>contracts/issues/40</u>
      - Unsure if included for Fuji, needs a resource
    - Value descriptor creation only in core (out of DS) (DELL)
      - Remove responsibility from device service for creating value descriptors
      - Refine handling/consistency of value descriptors per the following issue
        - https://github.com/edgexfoundry/edgex-go/issues/1071
    - Change event/readings to use nanoseconds in all timestamp fields (DELL)

- Interlock with Device Services (need resource from that team)
- Agenda item for Monday meeting
- Device provisioning support (blacklists, etc)
  - <u>https://github.com/edgexfoundry/edgex-go/issues/826</u>
  - Need more definition from the Device Service team as to what is required in the core services for this effort.
  - Agenda item for Monday meeting
  - Need use cases defined before any implementation begins
    - Who is the owner of the use cases presumably coming from the Device Service team?
    - Discuss necessary changes to Device SDK and then what is needed from Core to support that.
- Provide watchers / callbacks for device metadata changes (stretch)
  - Have yet to obtain concrete definition of need
  - This won't happen unless it's well scoped and we have an actual use case.
  - Is this something that UIs will need? Why aren't any representatives from the UI teams ever present in the working group calls?
    - Should we bring this up to the TSC?
    - *RE: Cloud Clojure UI, do we put an unrelated agenda item on meeting where he's present? QA or DevServices?*
- Move API documentation from RAML to Swagger
  - Would IOTech (Andy or Cloud) be willing to sponsor?
- Metrics on Service Performance
  - Need definition of metrics to be captured from QA/Test so desired counters can be implemented
  - Would IOTech (Andy or Cloud) be willing to sponsor?
    - Attend QA/Test meeting this afternoon and raise this point for definition (Trevor)
- Improve unit test coverage (DELL)
  - Codecov.io stats are being published now
  - Trevor working on a proposed pattern for refactoring existing functionality (and new features going forward) to make logic more testable.
  - Trevor to hopefully submit pattern next week for community review
- o Rules Engine
  - Still no firm direction
  - Would someone like to prototype JSONLogic or Lua scripting?
    - Looking for volunteers
    - If no solution for Fuji and we stay with existing rules engine, it will need to subscribe to the app-functions-sdk
    - App Functions group willing to assist in prototype
  - Hashicorp Plugins (Lenny @ Intel)

- See Box 1 / Box 2 below
- Question Should security services be folded into edgex-go?
  - No viewpoint yet
  - Haven't quantified whether there are code reuse/organizational benefits
  - Positives
    - Would ease Jenkins mgmt. (fewer jobs, branches, etc)
    - Could leverage code coverage metrics in edgex-go
    - Additional visibility to security services
      - Example, code doesn't conform to same standards (better quality)
    - Proposed to make a recommendation to security group for move
      - Need some input and research from Security group
      - If targeted for Fuji, could impact the Edinburgh dot release.
  - Negatives
    - Mixed ownership PRs and code overlap
- Things we will not be focusing on
  - High availability
  - o Plugins
    - This restricts our ability to embrace other providers within EdgeX
    - Our hands are tied due to lack of support from Go Core Language Team

 $\begin{array}{ccc} \underline{Box 1} & \underline{Box 2} \\ \hline Core-data & Redis \\ Redis-provider (plugin) ------ \end{array}$ 

Mongo Mongo-provider (plugin) -----→

\*\* Is it possible to utilize interface defined in Core with vendor provided plugin / module \*\* \*\* Research project \*\*