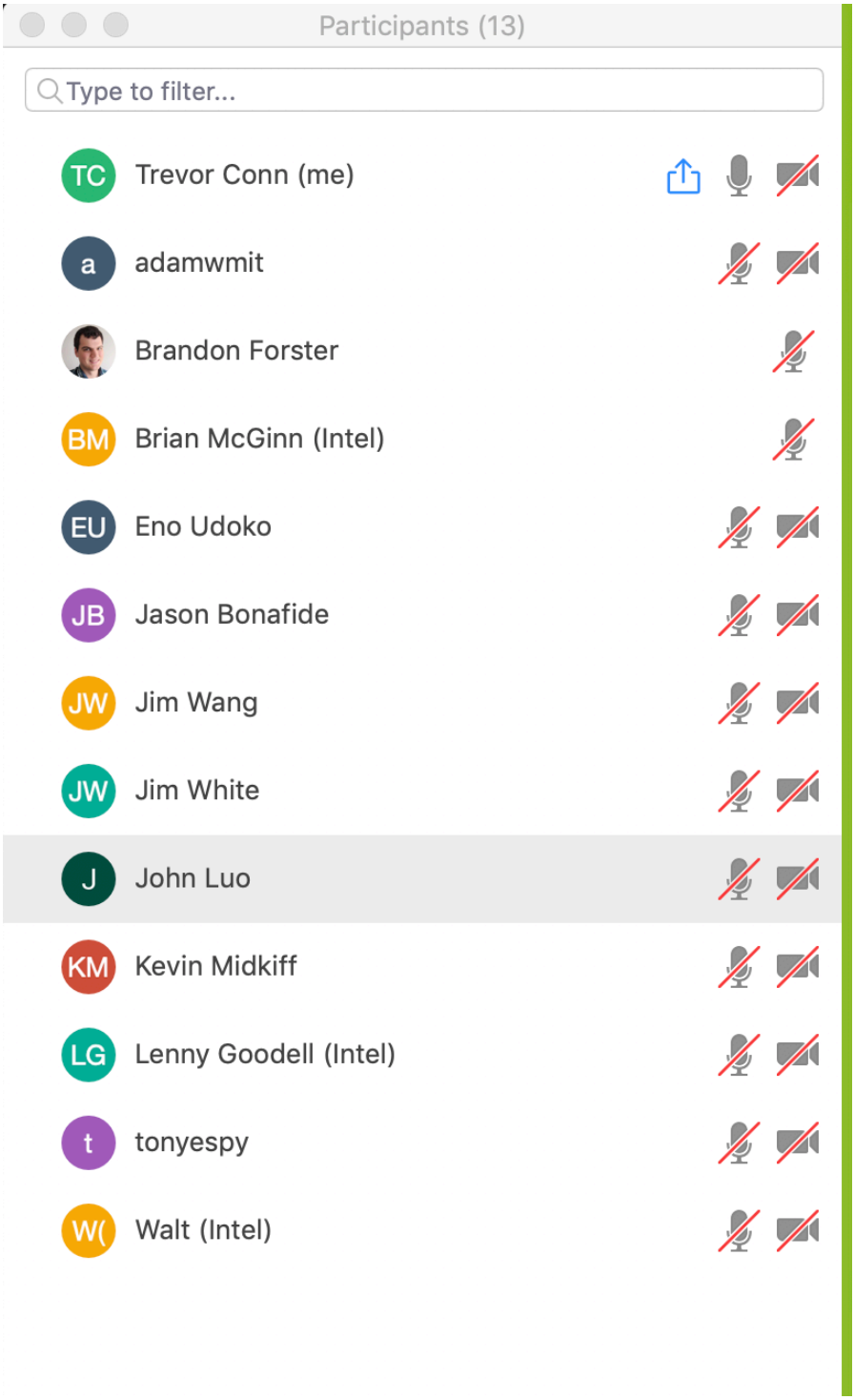
Core Working Group Meeting Notes (27-Feb-2020)



1.) Do we add datatype fields on readings for Geneva?
   - *a.* This was a request from the Kuiper team (20-Feb)
   - *b.* They would like some indication of the data type of the reading.value property value

c. They don't want to build any knowledge of how to lookup and interpret value descriptors
d. Provide JSON examples and refer to SimpleReading type in V2 API spec
e. *Understood this is additive to V1 API implementation*
    i. *Would only include the "type" property indicating the datatype*
    ii. *Min/Max fields will not be brought over. If you want that, you have to go to the value descriptor.*
    iii. *Verify marshaling/unmarshalling operations are compatible if this field is empty or not present*
    iv. *Requires a change to the Device SDK to align the reading.type property from the ValueDescriptor*
    v. *Add reading.type property in go-mod-core-contracts*
    vi. *Persistence mapping in core from go-mod-core-contracts*
    vii. *Relevant handling, if any, in AppFunctions*
f. *Sounds like we're in agreement to add this for Geneva*

2.) Review of "Configuration Self-Seed"ADR (Lenny, Jim)
a. https://github.com/edgexfoundry/edgex-docs/blob/master/docs_src/design/adr/0005-Service-Self-Config.md
b. Question regarding the goal of this review. It says in the Decision section:
    i. *The implementation for self-seeding services and environmental overrides is already implemented (for Fuji) per this document in the application services and device services (and instituted in the SDKs of each).*
    ii. Is the review oriented toward implementing this in Core per proposed "implementation alignment" goal? *(YES, this is the idea)*
c. *How do we submit comments for further review?*
    i. *Jim to collect comments for now, will re-open a PR to record those*

3.) Working on V2 implementation scope document
a. Per TSC call yesterday
b. Will be scheduling an ad hoc architect's meeting to review the agenda
    i. March 3rd @ 12 US/Central?

My list of questions for clarification on #2

Configuration Initialization

- NOTE: As the services now self seed and deployment specific changes can be made via environment overrides, it will no longer be necessary to have a Docker configuration file in each of the service directories
    - *Isn't this why we support "—profile" though?*
    - *Agreed that there's a choice for how to handle this*
    - *However, for platform alignment purposes, we would like to eliminate the res/docker directory and override Docker settings via the docker-compose file.*

Overrides

- Environmental variables do not override any local configuration; that is when configuration for a service is obtained from the local config file but not from the configuration service, the environmental variables are ignored.
    - *Why wouldn't env vars always override regardless of provider / file?*
    - *We can do this, it's just not implemented this way currently. No opposition, would simplify the SNAP bootstrapping process.*
    - *Discussed "override" switch and how it could clobber existing settings in Consul, possibly affecting other instances of a given service in HA deployment. Add verbiage to highlight this behavior, use with care.*
- Environmental variable overrides remove the need to change the "docker" profile in the res/docker/configuration.toml files - Allowing removal of 50% of the existing configuration.toml files.
    - *I guess I don't understand what this is saying…*
    - *Again, we support --profile*

Consequences

- *No mention of removal of config-seed from edgex-go*
    - *Needs to be added to Geneva roadmap*
    - *Includes removal of res/docker profiles*
    - *Update of docker-compose with env var values.*
- *Again, I don't understand why we would remove the cmd/res/docker directories. They could be removed because of the overrides, sure. But isn't this why we support the –profile switch?*
    - *ALSO:* Docker files will need to be modified to remove setting profile=docker