

Core Working Group Agenda 3/29/2018 meeting

Attended by: **Greg (Sixgill), Brad & Rodney (Beechwoods), Keith, Andy & Steve (IoTech), Ian J & Tony (Canonical), Trevor & Jim (Dell), Alberto (NOV)**. There may have been in attendance later in the meeting after the list of attendees were assembled.

Discussion and action items as a result of meeting in **RED**.

EdgeX Awards: nominate someone today! <https://goo.gl/forms/Pk4GcJ7amSPgtyVJ2>

Or @ <https://wiki.edgexfoundry.org/display/FA/EdgeX+Awards>

Old Business

DevOps issues/updates

- Automation of black box tests is priority 1
 - There will be an email list that everyone can subscribe too – email coming soon from Jeremy to allow registration.
- Go & Arm CI
 - Per Go meeting, Arm build in place, but allowing it to be tested for a few weeks before we turn on the CI check (thanks Jeremy/Fede)
- Commit messages and merge master topic
 - **Jim on Action for “Top 3 what to do” to simplify for maintainers and committers based on feedback from many (thanks Drasko, Tony, Andy, et al)**
- Build 0.6.0 of EdgeX at time TBD; early April
- Backlog
 - We need Java artifacts for Arm (Docker)
 - Action: Jeremy research to-do (theses containers would concern themselves with Mongo for ARM and what JRE is in the container)
 - We need Arm 32 artifacts

Current Work Task Updates

Work items are in Github Projects/issues.

Documentation

- Game plan was:
 - IoTech to clean up til April 1 (**on target to bring on next week**)
 - Review of IoTech repo target Apr 1 – 30
 - **Andy/Jim – to work with Brett to track applicable changes in Wiki during the review period**
 - Hold a pre-day meeting just before the cut over
 - Target early May cut over

DS Requirements Discussion

- open issues in DS requirements
 - Query All command results, no device names or ids returned? - **Jim to research with Tyler** and get back info based on original concept/design
 - A DS must provide both forms (all & deviceId) of GET handlers
 - logging/scheduling - *inprogress*

- data transform - *inprogress* - remove some from requirements
- actuation commands RAML accuracy - *tbd* may be resolved
- metadata updates (/callback) RAML incomplete - *tbd*
- finalize appendix A 'settings' – need to work on across the board (Trevor working)
- Big item to tackle: settings – Covered in new business today
- Trevor to present next week; additional ideas on testing and other refactors for core that would be applied out to other services
- From Alberto email ?'s (Transformation, etc.) – which ones do we need to wrestle with now; which are future roadmap items
 - Jim to add Alberto's email to the mailer list for historical perspective
 - Add items not to be handled immediately to roadmap discussion list for Delhi
 - Need a flag – added to profile that informs device service not to repeat values that have not changed
 - Dell Tech Core team to take a look adding to Metadata and lift. (Jim/Trevor action item and determination as to California or post-California work item)
 - We should have more documentation around device profile (more than a block diagram that exists today) – Jim to add a GitHub issue for edgex-go for metadata
 - Should profile be something that is validated? Discussion below.

Go Makefile cleanup

- Fede put fix in place and PR has been merged.
- Closing this work item.

Architectural Issues

- License file issue - how do we get appropriate license files to project artifacts (Docker containers and such)?
 - In Jeremy's court – review next week 3/29 (3rd party attribution in mono repo remaining issue)

Testing

- Additional blackbox tests for other services – Andy
 - Rinse repeat additional tests for the other services (non-core)
- Security testing – per 3/22 meeting; need couple more weeks to discuss
 - Rodney to start raising security testing needs in Security WG
- Performance testing – what do we need to start to consider
- Other testing??
 - Andy to think a bit about how we start scoping the efforts, organizing the help needed, and getting thing implemented

New Business

Consul Integration & Configuration settings

- Standardizing and clean up for Go services
- Trevor presented
 - Bootstrap properties: consul (true or false), profile to use (profile name); config file location
 - Standard consul/config/registration code in Go mono repo (pkg/config)

- Standardize keys for config
- All agreed things were looking good.
- Requests for more documentation of config (Jim will add git issue)
- Ideas for categorization of config (Jim to add to Delhi roadmap)
- Application of these mechanisms to remaining Go services (who and what)
 - Dell Tech team to apply these changes to core and supporting services
 - Mainflux/Cavium to apply these changes to export services (no one from application team was on the call – so if this is not possible, we'll look to community for help).
 - Tony to apply this to DS requirements and then apply to DS/DS SDK (along with IoTech for DS SDK in C)
- Impact to Java side services? What do we need to do?
 - Nothing for now
 - All of the changes and config for Go will be under a config/v2
 - In the future, Java services that remain may want to conform with a refactor
- Everyone agreed that TOML was best choice for config info for now (no spacing issues, may support validation? Etc.).
 - TOML will be reference implementation choice for California release
 - Contribution (possibly by Dell Tech) will allow for other formats (JSON, YAML, etc) but configuration files would remain in TOML for the foreseeable future.

Service Naming, Availability and Configuration Bootstrapping

- How do we name services?
- How is service availability determined (for startup and use)?
- How is configuration (to include service name) to services provided (consistently) and how do we handle the profiles?
- How do we prepare (in small ways) for multi-instance services?
- Jim has design doc at:
<https://wiki.edgexfoundry.org/display/FA/Architecture+Issues+and+Decisions#ArchitectureIssuesandDecisions-ServiceIdentifiers>
- To be reviewed at next week's meeting

Other items

- Tony: Git commit messages and merge to master issues; please pay attention. Git commit lessons – short and sweet guide needs to be a priority (Jim and Tony to attempt to get something together by next week).
- Keith – need to hold quick call to formulate plan for California release based on yesterday's TSC call. Jim/Keith action