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*
finalization 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)?
  o 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
  o Rinse repeat additional tests for the other services (non-core)
• Security testing – per 3/22 meeting; need couple more weeks to discuss
  o Rodney to start raising security testing needs in Security WG
• Performance testing – what do we need to start to consider
• Other testing??
  o 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
  o Bootstrap properties: consul (true or false), profile to use (profile name); config file location
  o 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 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-ServicIdentifiers
• To be reviewed at next week’s meeting

Other items
• Tony: Git commit messages and merge to master issues; please be 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