

Core Working Group Agenda 3/22/2018 meeting

Attended by: Drasko & Janko (Mainflux), Trevor, Tingyu, Michael Damena & Jim (Dell), Rodney (Beechwoods), Brian Price(Prov of Canada), Greg Z (Sixgill), Fede (Cavium), Keith, Steve & Andrew (IoTech), Alberto (NOV), Tony (Canonical), David Beberman (Aicas). 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.

New Project Group forming and working on Snaps (March 27th). Tony in the lead! Connect with Brett Peston to get invite.

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 Tasks

Remaining work items now in Github Projects/issues and listed below. No meeting time to discuss unless there are significant updates

- **Please provide task spreadsheet feedback so we can schedule face-to-face planning meetings**
- **Look for poll on best virtual call time for next week**
- **Adhoc meetings possible in Hannover Messe**
- **TSC face-to-face in early June in California**

California Release Work Tasks

- Security & System Management – per WG task list (Jun – collective)
- Integration of System Management APIs into micro services (Jun – Dell)
- Core, Supporting, Application services in Go (Dell, Cavium, Mainflux, others?)
- DS SDK in Go (mid Feb, Tony) **now more like March - April**
- DS SDK in C (April, IoTech)
- ? number of DS in G and/or C (???)
- Blackbox tests for all services (and SDK??) (End of May, IoTech)
 - Opportunity for other companies to make contributions – good area for new groups to participate.
 - **Jim Action** – poke participating/community companies for help
- Performance tests (and meeting performance targets) (IoTech)

- Everything runs and is tested on ARM (Jeremy/loTech)
- Environment – what target environment to do the tests (lab equipment, tools, software, cloud product availability).

Face-to-Face Action Items

- **Go Lang Core/Export Services connected to Consul, config files in seed** (Jim/Fede/Drasko, May 1st)
 - We load every property for all images (local or Docker) you get every config element – now and issue
 - Trevor has solution for core – eventually working this out to other services
- ~~Arm native environment~~ (Fede, Gorka, Jeremy, End of April) – thanks Jeremy and Cavium team
- Blackbox testing on Arm native environment (Andy F, Jeremy, End of May)
- Wiki page on EdgeX on OS'es – attestation of testing page (TBD, End of May??)
- Performance target tests – the Pi Tests (TBD, End of May??)
- ~~Setup "Sithub" (Jeremy, first week in Feb)~~
- Samsung Code reviewed and processed (TBD, TBD) **first repo moves coming soon (config-seed and OPC-UA DS)**
- Naming, availability, startup/cleanup service architecture draft (Jim W, 3rd week in Feb) – **Now more last week in March**

Documentation

- Game plan was:
 - loTech to clean up til April 1
 - Review of loTech repo target Apr 1 – 30
 - 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

Architectural Issues

- License file issue - how do we get appropriate license files to project artifacts (Docker containers and such)?
 - Jeremy and Tony to discuss; return next week with some ideas/plan
 - **In Jeremy's court – review next week 3/29 (3rd party attribution in mono repo remaining issue)**
- Message infrastructure between Core Data and Distro (and others in the future) – covered in the Go meeting.
 - Consensus per Go meeting: hold with OMQ for now. Provide better interfacing in Go services to facilitate replacements (Dell). Relook post California
 - Removing this item after update to Arch page on Wiki this week.
- 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 – Trevor to present next week; additional ideas on testing and other refactors for core that would be applied out to other services

New Business

Testing

- Testing tasks – how much effort for security and system management testing?
- Not sure we are ready to test this yet – may need to iron this out more. Couple weeks out still.

Go Makefile

- The **make build** will compile EdgeX Go code now, but doesn't generate any binaries
- The **make build_microservice** – builds EdgeX Go code and produces binaries
- Tony – make build should build everything including binaries; but could be some performance issues
- Fede – could compile and generate binaries; problem stores all the binaries in GOPATH/bin
- Steve – if you want to do native in Windows, make is a pain, but would you do instead?
- Rodney - We should have make targets should be more aligned to other make projects; make build should build everything.
- No one is suggesting dropping makefile.
- Action: Fede to put his fix in place and the rest of us try it.

Copyright issue and resolution

There was a discussion about how to address the copyright header when someone has made a change to code. Resolution, per other LF projects and general legal guidance, attach your copyright under the existing copyright in the header. See the contributors page.