Core Working Group Agenda 3/22/2018 meeting

Attended by: There may have been in attendance later in the meeting after the list of attendees were captured.

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 P 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
- 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

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/IoTech)
- 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:
    - IoTech to clean up til April 1
    - Review of IoTech 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
- Message infrastructure between Core Data and Distro (and others in the future) – covered in the Go meeting.
    - Concensus per Go meeting: hold with 0MQ 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*
        - metadata updates (/callback) RAML incomplete - *tbd*
        - finalize appendix A 'settings' – need to work on across the board (Trevor working)

New Business

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
- Both of these now work and should allow people to keep producing.

- For all to research: let’s look at some other projects and how they do their builds and if they use Makefile, how they have it setup.