# Core Working Group Agenda 10/19/17 meeting.

Attended by Applications, Test/QA, Core/Support WGs along with additional members from Beechwood, Dell, Cavium, Thales and others. DevOps WG chair in a bit later.

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

## Old Business

**Barcelona Release**

* Set for Friday! Review release notes for any additions please.
* Blackbox testing (Andy)?
  + Run on local environment and some fixes are made locally
  + Push fixes back in code base before 20th
* Release process – Jeremy reports everything is ready to release Java artifacts as well as Docker containers.

**California Preview Release (CPR)**

* List of work and assigned owner – any additions or changes?
  + Go micro services (see below)
  + Java SDK refactor/simplification (Dell)
  + Improvements of Test Framework (IoTech)
  + Full Blackbox testing (IoTech)
  + Integration of Blackbox testing to CI process (Jeremy/LF)
  + Performance/footprint capability – scoreboard?? (??)
  + Potentially documentation additions/changes (IoTech)
  + Complete/refine CI/Release processes and systems (all with Jeremy)
  + ARM build process and ARM versions of services (Jim/Jeremy for now)
  + Firm up Azure IoT Hub connector - as stretch goal (??)
  + C based Device SDK (IoTech)
  + Web oriented demos (??)
  + Strategy doc for Security and System Management API’s (security and sys mgmnt WG)
  + Dynamic discovery (??)

**Build/CI**

* Post Barcelona… what’s next
  + Blackbox tests automated nightly (Jeremy/Andy working)
    - Could also be done on some other schedule
  + Dev container builds (Jeremy working)
  + Review release processes, release versioning schema – do we need to make any changes?
    - Action item for all to review
  + Code scan tool options
    - In particular for large contributions (by Dell, Samsung, etc.). Is of particular concern right now in order to get Dell’s Go code contributed ASAP. (Jim working)

**Test/QA**

* Post Barcelona… what’s next
  + Complete API test coverage in black box testing (Andy/Cloud working)
    - Turning over his Jenkins script to Jeremy as soon as possible so that Jeremy can translate Cloud's execution script(s) into JJB jobs.
  + Automate nightly kickoff
    - Andy reports that other external interfaces (other than REST) then postman won’t be sufficient
    - How do we incorporate other test technologies? Longer term issues.

**SDK update**

* Post Barcelona … what’s next
  + Java SDK refactor (Dell working)
  + Go SDK (Tony working)
  + C SDK (IoTech and others working)
  + Use of shared libraries a concern raised – tackle by the Core Working Group
  + Common objects, clients, etc. – who owns, how do we manage
  + Let’s start to address before we push new SDKs
  + Java SDK uses template approach, but that creates maintenance issues and uses libraries from core
  + Action Item - Everyone should react to Drasko’s email to start discussion
  + Action item – add discussion to other EdgeX-tsc email lists

**Project Management Tool**

* ~~Recommendation to use Trello – any objections~~ Hold on Trello
* Suggestion by Janko – Can we make one more test with GitHub Projects – convert tasks to issues
* What if it is not a bug? Could tag it as something different than bug?
* Jeremy reports GitHub as it as a feature requests, but no promises
* Action Item – Janko to investigate use of GitHub Projects

**Go Services**

* Get Go code in GitHub – Legal issues and code scans. Looking for alternatives
  + Some organizations are ready push into GitHub (Mainflux)
  + Dell working legal issues internally and with LF to get the code in faster
* Go Lang Contributors page now available – feedback welcome
* Continue to meet in Go Project meetings to work through architecture/design/project conventions
* For CPR
  + Core Data, Metadata, Command (Dell)
  + Export Client (Mainflux)
  + Possible Device Services (Mainflux) – dependent on SDK
  + Possibly Export Distro (Cavium)
  + SDK Elements (Canonical)
  + Possibly Config/Registry (Samsung)
* Would like to propose next Go meeting be dedicated to the issue of Go Build Environment
  + Cavium v. Linaro v. other
  + Who owns/operates
  + Details of implementation
  + Timeline, costs, etc.
  + Make it Thursday or Friday
* Other architecture issues that are arising. In particular…
  + Shared libraries
  + Multi-single repos
  + SDK’s – their makeup
  + ZeroMQ replacement – and what is the impact
* To use the core working group meeting every other week may not be enough to deal with these issues – may need more frequent
* Can we remove status updates from WG meetings to concentrate more on these? Hopefully as we have better task management tool in place this will be the case.
* May be time to split working groups out to separate meeting?
* Is Go Build a business issue. Could we focus on tech issues versus business issues like cost of options?
* Action item – Jim will set up special meeting to deal with Go/Arm Build/CI issues. Let’s also use next Core working group meeting to discuss shared libraries issue and see how much/what we can accomplish in this meeting and then start to spare out more meetings as necessary.
* Action item – everyone, let’s also use EdgeX email reflectors to try to get ideas and options out on the table so that the meetings can be more about decisions versus discussion.

**Documentation**

* Anything to discuss yet? Still a few weeks out

**Security Implementation**

* Key Management APIs (Riaz, RSA)
* API Manager (David, ForgeRock)
* Fuse Security Service still needed?
* API architecture work still needed?
* Topic not discussed due to time. Keith emphasized importance and need to get Security WG going again.

## New Business

* How do we take recommendations/input for roadmap (per Face to face)
* Topic not discussed due to time constraints. To be handled at next meeting.