DevOps and QA/Test Working Group Meeting

Thursday, January 10, 2019


Agenda

DevOps

Old Business:

- PI DevKit USB image hosting
  - Request posted to help desk by James – request to host on Nexus repo
  - Michael just needs URL
- Intel – Device Service SDK (c) – Grove Device Service (c)
  - Grove passing jjb verify job
  - Device Service SDK verify job will be completed today
  - Steve Osselton (DS WG Chair) to provide review of work
- Release document
  - Only a few comments left to be reviewed
  - Help needed from Device Service group – release versions of the SDK and Device Services. How are they tied to EdgeX release?
  - Tony – version SDK with EdgeX major release number. SDK patch released can be out of sync with EdgeX patch releases
  - New Device Services should also be versioned against current EdgeX major releases
  - Tony – how do we ensure that an SDK works with a particular version of EdgeX
  - Trevor – add a version API to the Services
  - Jim - enhance Ping to return version of a specific service

New Business:

- Accommodating Go Modules in our CI/CD pipeline
o Trevor circulated document for comment - additional feedback required
  https://docs.google.com/document/d/1EzaAxj7Henlep8_5wLrZUQYtelpwxkqIVbJvEHvlfI/edit
o Jim we really need to move this forward and get off Glide
o Trevor needs to be done this month
o James – new build image here
  https://docs.google.com/document/d/1EzaAxj7Henlep8_5wLrZUQYtelpwxkqIVbJvEHvlfI/edit
  FROM golang:1.11.2-alpine3.7

• What is in place for CI/CD and automated testing for the SDKs and device services.
  o Tony code coverage – we need this to determine the coverage of unit tests
  o Jim – take a look at CodeCov.io (GoLang)
  o James - SonarQube

QA/Test

Old Business:

• Dashboarding local blackbox test results with Allure (demo)
  o How to run Allure with local blackbox tests documented at
    https://github.com/edgexfoundry/blackbox-testing/blob/master/docs/How-to-run-blackbox-testing.rst#present-test-result-using-the-allure-framework

• Edge performance testing – using JMeter and Telegraf+InfluxDB+Grafana to develop performance tests (demo)
  o Next steps:
    o Document approach (Cloud and IOTech team)
    o Work with James (Intel) to address deployment and automation of performance tests

New Business: