QA/Test Working Group Meeting

Thursday, March 7th, 2019

Attendees:

Agenda

Time	Item	Who
10 mins	Edinburgh release blackbox testing - test status and open issues review	Andy (IOTech), Cloud (IOTech)
10 mins	Edinburgh QA/Test objectives – review status of committed work	Andy (IOTech)
10 mins	Demonstration of new (proposed) Cucumber based integration test framework (initially to support Device Service testing)	Cloud (IOTech)

	New business	All

• Edinburgh Release Blackbox Testing Status

- • 2 failures on x86
  - • https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/#suites
- • 2 failures on ARM
  - • https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-ubuntu18.04-docker-arm64-4c-2g-master/allure/#suites
- • 11 security failures x86
  - • https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-security-centos7-blackbox-4c-2g-master/allure/
- • 17 security failures ARM
  - • https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-security-ubuntu18.04-docker-arm64-4c-2g-master/

- • See https://github.com/edgexfoundry/blackbox-testing/issues

• Edinburgh QA/Test objectives Review

Requirement	Status	Notes
Visualization/dashboard of test results	**Complete**	Allure dashboarding for blackbox test deployed on EdgeX Jenkins Server
Capture of resource metrics to monitor performance	**In Progress**	Created Telegraf+InfuxDB+Grafana (TIG) stack to provides metrics (CPU, Memory) on EdgeX services. ***Working with DevOps and LF to get TIG stack setup on LF infrastructure.***
Performance/load testing	**In Progress**	Using JMeter to drive EdgeX APIs. TIG stack used to record API response times and metrics. ***Currently dockerizing JMeter to enable automation of initial performance tests.***
Automated blackbox testing for Security Services	**In Progress**	***Currently on track.***
Automated blackbox testing for new Go Scheduling Service	**Complete**	Being developed by the Core WG.
Swagger Documentation	**Not Started**	Has not been prioritized for Edinburgh

- **Demonstration of proposed Cucumber-based integration test framework**

- **New business**
  - TSC F2F - 29 April - 2 May 2019: Seoul Technical Meeting - collecting Fuji QA/Test requirements https://wiki.edgexfoundry.org/pages/viewpage.action?pageId=27492436
    - Ramya (Intel) will send Intel requirements for Fuji release to Andy (IOTech) who will collate list and publish on Wiki