QA/Test Working Group Meeting

Thursday, March 28th, 2019

Attendees:

AF	Andrew Foster (Me)	
V(	Vishwas (Intel)	
CW	Cherry Wang	
JD	Jacob Dobkins (Intel)	
JW	Jim White	
J(	JP (Intel)	
LG	Lenny Goodell (Intel)	
R	rrangan1	
WM	Walt Morton - Intel	

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)
15 mins	Test documentation presentation	Intel
	New business	All

- **Edinburgh Release Blackbox Testing Status**
  - 4 test failures on x86
    - https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/
  - 2 test failures on ARM
    - https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-ubuntu18.04-docker-arm64-4c-2g-master/allure/#
  - 2 test failures on security job x86
    - https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-security-centos7-blackbox-4c-2g-master/lastBuild/allure/
  - Security job on ARM currently failing. See *issue #185*
  - 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. *LF have created and tested initial TIG stack configuration.* *QA/Test team have automated initial tests on local Jenkins infrastructure and are in process of creating Jenkins Job for LF deployment*
Performance/load testing	**In Progress**	Using JMeter to drive EdgeX APIs. TIG stack used to record API response times and metrics. *Completed dockerizing JMeter to enable automation of initial performance tests.*
Automated blackbox testing for Security Services	**In progress**	*Have reviewed job failure on ARM issue #185. Kong not officially supported on ARM 64. Will required EdgeX project to build docker Kong image for ARM 64 and host image on EdgeX docker repo.*
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

- **New business**
  - Prompted by Intel presentation a couple of weeks ago QA/Test team have carried out evaluation of Robot framework https://robotframework.org and are in favor of adopting it for use on the project