

QA/Test Working Group Meeting

Thursday, February 20, 2019

Attendees:

Participants (7)

- AF Andrew Foster (Me)
- CT Cloud Tsai
- CW Cherry Wang
- JW Jim White
- R rrangan1
- V(Vishwas (Intel)
- 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 Any new business	Andy (IOTech)
10 mins	Validating an EdgeX system that has been deployed using Kubernetes – discussion topic requested by Srinivasa Addepalli (Intel)	Srini (Intel)/All
10 mins	Intel approach to container validation	Vishwas (Intel)
	New business	All

- **Edinburgh Release Blackbox Testing Status**

- See <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/>
- See <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-ubuntu18.04-docker-arm64-4c-2g-master/allure/>
- 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+InfluxDB+Grafana (TIG) stack to provides metrics (CPU, Memory) on EdgeX services. <i>After initially pushing back against setting up a new TIG stack in favor of using the existing LF Elk stack, the LF have agreed to QA/Test WG request for the TIG stack.</i>
Performance/load testing	In Progress	Using JMeter to drive EdgeX APIs. TIG stack used to record API response times and metrics. <i>Next step is to automate initial performance test developed for Core Data and Core Metadata and integrate into EdgeX CI before implementing new test cases.</i>
Automated blackbox testing for Security Services	In Progress	<i>Initial PR has been issued (Tingyu, RSA) and merged. Currently on track.</i>
Automated blackbox testing for new Go Scheduling Service	In Progress	Being developed by the Core WG.
Swagger Documentation	Not Started	Has not been prioritized for Edinburgh
Services startup times	Not Started	Not committed for Edinburgh bur considered a stretch goal not on original list of objectives

- **Validating EdgeX system that has been deployed using Kubernetes - question from Srinivasa Addepalli (Intel)**

- Will follow-up (Andy, IOTech) with Srinivasa via email with possible options/approach.

- **Intel approach to container validation (presentation)**

- **New business**

- What are the post Edinburgh QA/Test objectives (Ramya, Intel) ? – discussing are on-going. Roadmap will be decided at Seoul F2F meeting in April.
- Intel would like to present ideas for system level testing approach and also the tools that they are using for blackbox testing etc.