































# QA/Test Working Group Meeting

Thursday, March 14th, 2019

## Attendees:

 AF Andrew Foster (Me)  
 CT Cloud Tsai  
 JD Jacob Dobkins (Intel)  
 VI Vishwas (Intel)  
 WM Walt Morton - Intel  
 CW Cherry Wang  
 JW Jim White  
 J jlopezgu  
 R rrangan1  
 S SeanQ  

## 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)
20 mins	Robot testing framework presentation	Intel
	New business	All

- **Edinburgh Release Blackbox Testing Status**

- 1 failure on x86
  - <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/327/allure/>
- 6 failures on ARM
  - <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-ubuntu18.04-docker-arm64-4c-2g-master/allure/>
- 8 security failures x86
  - <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-security-centos7-blackbox-4c-2g-master/40/allure/23> security failures ARM
- 23 security failures on ARM
  - <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-security-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	<b>Complete</b>	Allure dashboarding for blackbox test deployed on EdgeX Jenkins Server
Capture of resource metrics to monitor performance	<b>In Progress</b>	Created Telegraf+InfluxDB+Grafana (TIG) stack to provides metrics (CPU, Memory) on EdgeX services.  <b><i>Working with DevOps and LF to get TIG stack setup on LF infrastructure.</i></b>  <b><i>LF have confirmed the earliest the TIG stack will be in place is mid April 2019.</i></b>
Performance/load testing	<b>In Progress</b>	Using JMeter to drive EdgeX APIs. TIG stack used to record API response times and metrics.  <b><i>Completed dockerizing JMeter to enable automation of initial performance tests.</i></b>
Automated blackbox testing for Security Services	<b>In Progress</b>	<b><i>Currently on track.</i></b>  <b><i>Reviewing test failures.</i></b>
Automated blackbox testing for new Go Scheduling Service	<b>Complete</b>	Being developed by the Core WG.
Swagger Documentation	<b>Not Started</b>	Has not been prioritized for Edinburgh

- **Presentation on the Robot Framework**  
(<https://robotframework.org/>) by Intel
- **New business**
  - Black Box Test Automation Framework structure (raised by Intel)