

# QA/Test Working Group Meeting

Thursday, April 11th, 2019

## Attendees:



A screenshot of a meeting attendees list. It shows a vertical list of 11 participants, each with a circular profile picture icon, their name, and their affiliation in parentheses. To the right of each name are three small icons: a microphone, a video camera, and a document with a red 'X' over it, indicating that the participant's audio, video, and document sharing are all disabled. The participants listed are: Andrew Foster (Me), Jacob Dobkins (Intel), Akram Ahmad (Dell), Bruce Huang, Cherry Wang, Cloud Tsai, Felix, James Gregg (Intel), Jim White, JP (Intel), and rrangan1.

## Agenda

Time	Item	Who
15 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	Seoul Face-to-Face Planning	All
	New business	All

## • Edinburgh Release Blackbox Testing Status

- 9 test failures on x86, (**change 4 -> 9**)
  - <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/>
- 6 test failures on ARM (**change 2 -> 6**)
  - <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-ubuntu18.04-docker-arm64-4c-2g-master/allure/#>
- 1 test failures on security job x86, (**change 2 -> 1**)
  - <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	<b>Complete</b>	Allure dashboarding for blackbox test deployed on EdgeX Jenkins Server
Capture of resource metrics to monitor performance	<b>In Progress</b>	<p>Created Telegraf+InfluxDB+Grafana (TIG) stack to provides metrics (CPU, Memory) on EdgeX services.</p> <p><i>LF have created and tested initial TIG stack configuration.</i></p> <p><i>QA/Test team have automated initial tests on local Jenkins infrastructure and are in process of creating Jenkins Job for LF deployment. PRs <a href="#">#9</a> (edgexfoundry-holding ) and <a href="#">#338</a> (ci-management) issued and waiting for review</i></p>
Performance/load testing	<b>In Progress</b>	<p>Using JMeter to drive EdgeX APIs. TIG stack used to record API response times and metrics.</p> <p><i>Waiting for completion of Jenkins work described above.</i></p>
Automated blackbox testing for Security Services	<b>In progress</b>	<i>Have reviewed job failure on ARM <a href="#">issue #185</a>. Kong not officially supported on ARM 64. Security WG have now built Kong for ARM64 and this is being tested.</i>
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

- **Seoul Face-to-Face Planning**

- See <https://wiki.edgexfoundry.org/display/FA/Seoul+Face2Face+April+29th+-+May+2nd+2019> and <https://wiki.edgexfoundry.org/pages/viewpage.action?pageId=27492436>

- **New business**

- Review edgex-go issue [#1187](#) - Create a critical notification takes time over 1s – change to asynchronous call. Test only fails when dockerized, passes locally (not taking 200ms).
- Where did desired API response times originate from (Ramya, Intel) ?
- Walt (intel) is making progress with Logging performance tests
- Next meeting – discuss startup times performance tests
- Intel iTAF document - stuck in review