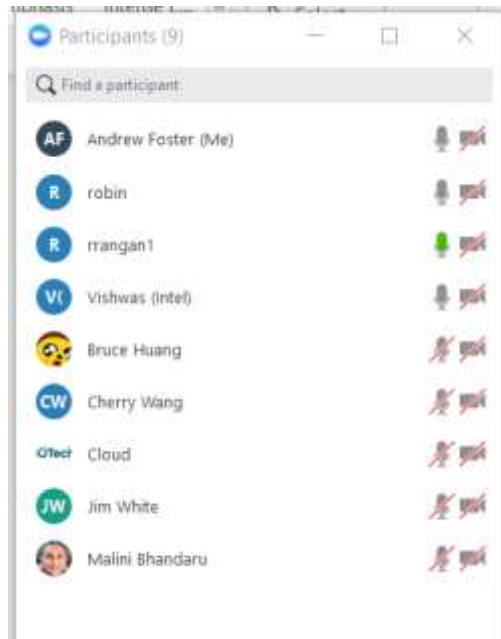


QA/Test Working Group Meeting

Thursday, June 13th, 2019

Attendees:



Agenda

Time	Item	Who
	Introducing Robin Chatterjee new QA/Test WG chair	Andy (IOTech)
10 mins	Edinburgh release blackbox testing - test status and open issues review	Andy (IOTech), Cloud (IOTech)
10 mins	Edinburgh QA/Test objectives review	Andy (IOTech), Cloud (IOTech)
10 mins	Edinburgh Performance Test Summary	Andy (IOTech), Cloud (IOTech)
10 mins	Fuji Device Services Test Plan template	Andy (IOTech)
15 mins	New business	All

• Edinburgh Release Blackbox Testing Status

- Blackbox Test
 - Fixed issue [#240](#)
 - Merged PR [#241](#), [#242](#)
- Performance Test
 - Preparing automation script to collect data for performance summary report
 - Investigating JMeter data loss issue [#31](#) on performance test
 - Fixed issue [#32](#)
 - Updated document for developing performance test script. PR [#36](#) is under review
- 0 test failures on x86, (change 0 -> 0)
 - <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/>
- 0 test failures on ARM (change 0 -> 0)
 - <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 (change 1 -> 2)
 - <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	Test running on main Jenkins server, final verification is progress. Investigating missing data during 24 hour test.
Performance/load testing	In Progress	As above.
Automated blackbox testing for Security Services	Complete	Security tests passing on x86. Security job on AEM failing dur to Kong not bring officially supported on ARM 64 issue #185 re-opened. Requires additional investigation. May not make v1.0 release.
Automated blackbox testing for new Go Scheduling Service	Complete	Being developed by the Core WG.
Swagger Documentation	Not Started	Now Scheduled for Fuji release.

• Edinburgh Performance Test Summary

QA/Test team are In the process of producing a Performance Test Summary report for EdgeX Edinburgh release. Test carried out on representative x86 and ARM hardware.

- See [Performance Summary Test Cases](#)
- See [Performance Summary Report](#)
- Test latency using Rules Engine and back to command
- Test latency through to Application Services
- Kong microservice performance
- Another performance test run using Redis as the underlying database in addition to Mongo

• Fuji Device Services Test Plan template

Device Service testing has been identified as #1 priority for Fuji release. First task is to create a Test Plan which will identify testing approach, what is to be tested, test cases etc. Test plan will be developed collaboratively with the Device Services WG.

Plan is to use a stripped down/simplified version of [IEEE 829 Test Plan template](#) and [Test Case template](#)

Will have the following suggested sections:

- Test Plan Identifier
 - References
 - Introduction
 - Test Items
 - Features To Be Tested
 - Features Not To Be Tested
 - Approach
 - Pass/Fail Criteria
 - Test Deliverables
 - Testing Tasks
 - Environmental Needs
 - Test Cases
-
- **Old Business**
 - ~~UI team meeting – every two weeks/every month – complete first meeting UI Project Group Meeting Tuesday 18th June, 10am Taiwan~~
 - Performance metrics – any counters within services needed (Trevor) ?

- How does UI track changes in core
- UI dynamically responding to underlying changes
- Logging performance tests – initial PR [#18](#) issued. Aim to include in Fuji release.

- **New business**

- [Intel iTAF document](#) - currently being reviewed – describes process for writing API tests using the Robot framework, including test organization, documenting test, writing and running tests.
 - In discussions with Intel about getting access to:
 - ISIM/iTAF example/demo
 - IVS Common -> ITUC (IOT Test Utility Catalog)