# **QA/Test Working Group Meeting**

# **Thursday, May 9th, 2019**

**Attendees:**



Jim White (Dell) – also attended the meeting

**Agenda**

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| Time | Item | Who |
| 15 mins | Edinburgh release blackbox testing  - test status and open issues review | Andy (IOTech), Cloud (IOTech)  |
| 15 mins | Seoul F2F – Meeting Outcomes | Andy (IOTech) |
| 15 mins | New business  | All |

* **Edinburgh Release Blackbox Testing Status**
* Fixed issue [#205](https://github.com/edgexfoundry/blackbox-testing/issues/205), [#208](https://github.com/edgexfoundry/blackbox-testing/issues/208), [#210](https://github.com/edgexfoundry/blackbox-testing/issues/210), [#212](https://github.com/edgexfoundry/blackbox-testing/issues/212), [#214](https://github.com/edgexfoundry/blackbox-testing/issues/214), [#217](https://github.com/edgexfoundry/blackbox-testing/issues/217)
* Merged PR [#206](https://github.com/edgexfoundry/blackbox-testing/pull/206),  [#207](https://github.com/edgexfoundry/blackbox-testing/pull/207),  [#209](https://github.com/edgexfoundry/blackbox-testing/pull/209), [#211](https://github.com/edgexfoundry/blackbox-testing/pull/211),  [#213](https://github.com/edgexfoundry/blackbox-testing/pull/213),  [#215](https://github.com/edgexfoundry/blackbox-testing/pull/215),  [#218](https://github.com/edgexfoundry/blackbox-testing/pull/218),  [#219](https://github.com/edgexfoundry/blackbox-testing/pull/219)
* The following edgex-go issues cause some testcases failed on blackbox-testing
	+ Transmission issue [#1315](https://github.com/edgexfoundry/edgex-go/issues/1315), [#1316](https://github.com/edgexfoundry/edgex-go/issues/1316), [#1317](https://github.com/edgexfoundry/edgex-go/issues/1317)
	+ Scheduler issue [#1308](https://github.com/edgexfoundry/edgex-go/issues/1308)
	+ Device service issue [#87](https://github.com/edgexfoundry/go-mod-core-contracts/issues/87)
	+ Core command issue [#1296](https://github.com/edgexfoundry/edgex-go/issues/1296)
* 5 test failures on x86, (change 5 -> 56)
	+ <https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/>
* 4 test failures on ARM (change 4 -> 58 )
	+ [https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-ubuntu18.04-docker-arm64-4c-2g-master/allure/#](https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-ubuntu18.04-docker-arm64-4c-2g-master/allure/)
* 5 new test failure on security job x86 (change 5 -> 54)
	+ <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](https://github.com/edgexfoundry/blackbox-testing/issues/185)
* See <https://github.com/edgexfoundry/blackbox-testing/issues>
* **Edinburgh QA/Test objectives Review**

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| **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 TIG stack setup.******QA/Test team have created a Jenkins Job for LF deployment and are currently testing on Sandbox. Subject to PRs*** [***#9***](https://github.com/edgexfoundry-holding/performance-test/pull/9) ***(edgexfoundry-holding ) and*** [***#338***](https://github.com/edgexfoundry/ci-management/pull/338) ***(ci-management).*** |
| Performance/load testing | **In Progress** | Using JMeter to drive EdgeX APIs. TIG stack used to record API response times and metrics. ***Tests running successfully on Jenkins Sandbox. Can also run multiple tests in parallel.******Tests have been moved from holding area to main repo.*** ***Next Steps******Add additional performance tests – in progress*** |
| Automated blackbox testing for Security Services  | **In progress** | ***Kong not officially supported on ARM 64*** [***issue #185***](https://github.com/edgexfoundry/blackbox-testing/issues/185)***. Security WG have now built Kong for ARM64 and this is being added EdgeX 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 |

* **Seoul Face-to-Face Outcomes**
* Agreed Fuji roadmap
* **New business**
* Intel iTAF document - currently being reviewed
* Logging performance tests – initial PR [#18](https://github.com/edgexfoundry/performance-test/pull/18) issued
* Startup times performance test – will require EdgeX microservices to be modified to return startup times in response to http://localhost:48096/api/v1/metrics.