QA/Test Working Group Meeting
Thursday, April 25th, 2019

Attendees:

- Andrew Foster (Me)
- Bruce Huang
- Cherry Wang
- Cloud Tsai
- Felix
- Vishwas (Intel)

Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Item</th>
<th>Who</th>
</tr>
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<tbody>
<tr>
<td>10 mins</td>
<td>Edinburgh release blackbox testing - test status and open issues review</td>
<td>Andy (IOTech), Cloud (IOTech)</td>
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<tr>
<td>25 mins</td>
<td>Seoul F2F - Fuji roadmap</td>
<td>Andy (IOTech)</td>
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<tr>
<td>15 mins</td>
<td>Swagger (OAS) API documentation presentation</td>
<td>All</td>
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<tr>
<td>10 mins</td>
<td>New business</td>
<td>All</td>
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- **Edinburgh Release Blackbox Testing Status**
  - 5 test failures on x86, (change 1 -> 5) previous issue [1187, PR 1248] resolved, 4 of new failures related to issue [205] and [174]
- [https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/](https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/)
- 4 test failures on ARM build #246 (change 0 -> 4) 4 of new failures related to issue #205 and #174
  - [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 1 -> 5), previous issue #1187, PR 1248 resolved, 4 of new failures related to issue #205 and #174
  - [https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-security-centos7-blackbox-4c-2g-master/lastBuild/allure/](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](https://github.com/edgexfoundry/blackbox-testing/issues)

### Edinburgh QA/Test objectives Review

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Status</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Visualization/dashboard of test results</td>
<td>Complete</td>
<td>Allure dashboarding for blackbox test deployed on EdgeX Jenkins Server</td>
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| Capture of resource metrics to monitor performance | In Progress | Created Telegraf+InfluxDB+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 (edgexfoundry-holding ) and #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.*  

**Next Steps**  
*Refine Jenkins pipeline*  
*Move tests from holding area to main repo*  
*Add additional performance tests*  

<table>
<thead>
<tr>
<th>Automated blackbox testing for Security Services</th>
<th>In progress</th>
<th>Kong not officially supported on ARM 64 issue #185. Security WG have now built Kong for ARM64 and this is being added EdgeX repo.</th>
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<tbody>
<tr>
<td>Automated blackbox testing for new Go Scheduling Service</td>
<td>Complete</td>
<td>Being developed by the Core WG.</td>
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<tr>
<td>Swagger Documentation</td>
<td>Not Started</td>
<td>Has not been prioritized for Edinburgh</td>
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• **Seoul Face-to-Face Planning**

• **New business**
  • Logging performance tests
  • Startup times performance tests
  • Intel ITAF document – update?