QA/Test Working Group Meeting

Thursday, June 20th, 2019

Attendees:

![Attendees List]

Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Item</th>
<th>Who</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 mins</td>
<td>Edinburgh release blackbox testing - test status</td>
<td>Andy (IOTech), Cloud (IOTech)</td>
</tr>
<tr>
<td>10 mins</td>
<td>Edinburgh QA/Test objectives review</td>
<td>Andy (IOTech), Cloud (IOTech)</td>
</tr>
<tr>
<td>15 mins</td>
<td>Edinburgh Performance Test Summary – update and demo</td>
<td>Andy (IOTech), Cloud (IOTech)</td>
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<tr>
<td>15 mins</td>
<td>New business</td>
<td>All</td>
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- **Edinburgh Release Blackbox and Performance Testing Status**
- **Performance Test**
  - Preparing automation script to collect data for performance summary report
• Updated latest status of JMeter data loss issue put on performance test issue #31 and asking for help on slack
• Updated document for developing performance test script. PR #36 is under review

• Blackbox Tests
  • 0 test failures on x86, (change 0 -> 4)
    ▪ https://jenkins.edgexfoundry.org/view/blackbox-testing/job/blackbox-testing-centos7-blackbox-4c-2g-master/lastBuild/allure/
  • Last two ARM jobs have failed (change 0 -> complete failure!!)
    ▪ 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 2 -> 0)
    ▪ 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

1. 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>
</tr>
<tr>
<td>Capture of resource metrics to monitor performance</td>
<td>In Progress</td>
<td>Test running on main Jenkins server, final verification is progress. Investigating missing data during 24 hour test. See issue #31&lt;/br&gt;Review CloudWatch logs – will require a ticket to be submitted to LF&lt;/br&gt;Request support from AWS</td>
</tr>
<tr>
<td>Performance/load testing</td>
<td>In Progress</td>
<td>As above.</td>
</tr>
<tr>
<td>Automated blackbox testing for Security Services</td>
<td>Complete</td>
<td>Security tests passing on x86. Security job on AEM failing due to Kong not bring officially supported on ARM 64 issue #185 re-opened. Requires additional investigation. May not make v1.0 release.</td>
</tr>
<tr>
<td>Automated blackbox testing for new Go Scheduling Service</td>
<td>Complete</td>
<td>Being developed by the Core WG.</td>
</tr>
<tr>
<td>Swagger Documentation</td>
<td>Not Started</td>
<td>Now Scheduled for Fuji release.</td>
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2. Edinburgh Performance Test Summary – Update and Demo

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.
- Performance Test Summary
- 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

3. New business

- Robot Test Framework rollout - iTAF/iSIM update (Ramya/Vishwas) – access to demo code and test utilities currently going through sign off process (4-5 week approx).
- Decide on test directory structure/reporting – review with WG
- Setup iTAF Robot demo in holding area https://github.com/edgexfoundry-holding/edgex-taf