## Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Owner</th>
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<tbody>
<tr>
<td>10 min</td>
<td>Work Review (GitHub Project)</td>
<td>James Gregg</td>
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<tr>
<td>10 min</td>
<td>Backlog Review</td>
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<tr>
<td>10-15 min</td>
<td>Edinburgh Release</td>
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<tr>
<td>10 min</td>
<td>Fuji Update: Clair / Klar Docker Image Scanning</td>
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<td>Opens</td>
<td>All</td>
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Attendees

- James Gregg (Intel) (Me)
- Andrew Foster
- Trevor Conn
- Anthony Bonafide
- Brandon Forster
- Collin Hutchinson
- I Johnson
- Jim White
- Lenny Goodell (Intel)
- Vishwas (Intel)
EdgeX DevOps WG Update

• LFTOOLS / Sigul – undocumented flag for annotated tags
  • Eric Ball submitted PR to get the annotation flag documented in the README.

• Issues:
  • Roadmap for addressing technical debt not understood by Linux Foundation for build dependencies (python version)
Codecov.io integration

https://codecov.io/gh/edgexfoundry/edgex-go
Release Process Review

Enumerate Services in Release

1. Simple list of all services that will be in the release.

Release Process

1. Branch Cutting
   a. At some point before an official artifact release (at least 2 weeks). A release branch will be created off the master branch.
   b. The master branch version will be revised to the desired version of a future release.
   c. Only bug and security fixes can now make it into the release branch unless truly exceptional.
   d. Jenkins jobs will be instantiated for the release branch.

2. Official Release
   a. A leading representative from a particular project will initiate the release by doing the following:
      i. Email helpdesk@edgexfoundry.org with the following information:
         1. Link to Jenkins staging job that produced artifact to be released
         2. Type of artifacts to be released (jar, go bin, container)
   b. The EdgeX Release Engineer will release signed artifacts as requested and git tag the repository found at the sha checked out in the aforementioned Jenkins staging job.
   c. RE will push the tag to https://github.com/edgexfoundry/$PROJECT_NAME
   d. Project representation will PATCH bump the version of the project in the release branch in prep for next patch.

2. Generate or update named release manifest
   - This is the document which will enumerate each service and version that will be contained in a named release.

3. Individual service release
   - Each individual service can release separately if they wish. If at any time a service is updated then we should also be sure to update the manifest.
Edinburgh Release Planning

4/28 Code Freeze

Meeting 4/28 10:30AM PST

Afternoon – Working Session
James set up a bridge
## Work Review

<table>
<thead>
<tr>
<th>Helpdesk Ticket #</th>
<th>Description</th>
<th>Details</th>
<th>Status</th>
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</table>
| 69830             | codecov.io config needed for edgex-go repo | Eric Ball has implemented codecov.io for edgex-go repo as of WW20  
Addtional repos identified to include SDK repos – hold off on additional repos for now until we have it working with edgex-go | WIP (Eric) |
| 68377             | failed job related to timeout waiting for SSH | Eric Ball follow up with the team that owns VEXHOST – no progress  
Issue is with building new arm images – doesn’t affect edgex builds  
Decision to leave it open for now.. Circle back with VEXHOST team | WIP (Eric) |
| 71119             | need to extend sigul to include additional functionality – bugs identified with lftools / sigul | – sigul enhancements included in release last Thursday  
[LFTOOLS release v0.23.1](https://github.com/lftools/lftools/releases/tag/v0.23.1)  
Lisa identified some defects  
Sigul enhancements being worked by LF resources with PR in Gerrit WW20 | Resolved (Eric) |
| 71025             | TIG Performance Issues identified during testing on Sandbox | Tests are working in Sandbox but introduced OMM problems with AWS hosted TIG stack  
Redeployed the solution  
LF Infrastructure team engaged to resize the instances. | Resolved (Jordan) |
| 71084             | Enable PyPI for EdgeX Jenkins caching of python dependencies | SPIKE to see what it would take to enable the PyPi Proxy for caching dependencies on Nexus | Resolved  
THANK YOU ERIC BALL !!  
Pulled in Fuji scope!! |
Backlog Review
Meeting Minutes

• Need to include Andy in the pre-planning meeting
• Decision to EOL the California blackbox-testing jobs when Edinburgh jobs are updated.
Fuji Planning

Scope Discussions
Fuji – DevOps

**In**

- Static code analysis tool identified and integrated into the EdgeX Jenkins Pipeline for Docker image scanning
- Explore SAST for true static code analysis to include additional tooling such as Fortify / Coverity
- Code and artifact signing with semantic versioning
- Fix Documentation – edgex-go
  - Create a new repo for edgex-docs
- Build Performance Optimizations
  - Pipelines for EdgeX Foundry base build images
  - Basebuild images managed locally within Nexus
  - Leverage PyPi Proxy for local pip dependencies
  - ARM builds – optimization leveraging different high CPU build nodes / OS (ARM Team)

**Out**

- Alternate deployment/orchestration
  - Beyond Docker/Snaps
  - Kubernetes
  - Kata Containers
  - ... SonarQube – SonarCloud is already in play in the LF
- Decision: wait to see what codecov.io offers
- Suggestion to rename all of the Jenkins “arm” jobs so as to differentiate 32bit / 64bit architectures
- Full Pipeline transformation for EdgeX services
Edinburgh Release

Release Planning
Edinburgh Dates

• Freeze Date – May 28
• Release Date – June 20
## Future Agenda Topics

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<tr>
<th>WW14</th>
<th>Documentation migration – edgex-go user documentation</th>
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<tr>
<td>WW14</td>
<td>Topics for Fuji F2F</td>
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<td>Jenkins Pipelines for EdgeX services</td>
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<td>WW15</td>
<td>Review Aqua Microscanner – Image scanning tool for Vulnerabilities</td>
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<td>WW16</td>
<td>NVIDIA – Security tooling within CodePipeline (Trevor request) 4/18/19</td>
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<td>WW17</td>
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<td>WW18</td>
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<td>Demo Clair / Klar</td>
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<td>Athens Project – proxy server for go package dependencies</td>
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<td>Community Involvement</td>
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