DevOps Working Group

Thursday December 16, 2021
## Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Owner</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Min</td>
<td>DevOps Updates</td>
<td>Ernesto</td>
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<tr>
<td>10 Min</td>
<td>Issue #3777 on edgex-go; branch is out-of-date with the base branch</td>
<td>All</td>
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<tr>
<td>5 Min</td>
<td>Issue #226 - v2.1.0 not reachable from the main branch</td>
<td>Ernesto</td>
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<td>5 Min</td>
<td>AOB / Opens</td>
<td>All</td>
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Attendees

- **Ernesto Ojeda** (Intel) (Host, me)
- **Bill Mahoney** (Intel)
- **Eric Ball** - Linux Foundation
- **Farshid Tavakolizadeh** - Canonical
- **Lenny** (Intel)
DevOps WG Update

Pipeline Related

• [Backlog] #371 Go 1.17 released - Release Notes - On hold until 2022
• [In Progress] #370 Spike: multi-arch builds with buildx (spin up less nodes, speed up builds)
• [Backlog] #59 Spike: rewrite git-semver in python
• [Backlog] Linux Foundation will be working on Ubuntu 20 based build agents for use in the pipelines
  • LF will also be migrating to next CentOS “stream” a due to EOL of current stream and will look at potential CentOS replacement with Rocky Linux

Other

• ...
Misc Topics

• Issue #3777 on edgex-go; branch is out-of-date with the base branch
• Issue #226 - v2.1.0 not reachable from the main branch
  • Consistent semver between Jenkins pipeline and Snaps
edgex-compose/edgex-docs Automation

- Existing edgex-compose automation

- New edgex-compose automation for LTS releases:
  - Archive 3rd party docker images to nexus
  - [https://github.com/edgexfoundry/edgex-compose/pull/206](https://github.com/edgexfoundry/edgex-compose/pull/206)

- Potential automation of releasing edgex-docs?
  - Need clarification.
DevOps Kamakura Scope

Pipeline Optimizations:

- **Tech Debt:** Fix multiple nodes being spun up during `edgeXBuildGoApp` and `edgeXBuildCApp`
  - T-shirt size: small
- **Spike:** docker image multi-arch builds with `buildx` (spin up less nodes, speed up builds)
  - T-shirt size: small for the research; implementation TBD (see below)
  - Use of Docker `buildx` so we wouldn’t need to spin up ARM image to build docker arm images
  - Explored in the past; revisit approach (separate images)
- **Implementation:** depending on spike docker image multi-arch builds with `buildx`
- **Spike:** rewrite git-semver in python
  - Tshirt–medium size (impl TBD)
- **Implementation:** depending on spike, rewrite git-semver in python
- **Ice box on semantic-release work for now**
- **EdgeX Badging Program Full Credly Automation (Stretch)**
- **README Broken link detection pipeline (Stretch)**
- **Assist in go lang linting/scanning**
  - See security scope

Documentation:

- T-shirt size: medium
- Continued documentation updates (DevOps online docs)