DevOps Working Group

Thursday December 2, 2021
## Agenda

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Owner</th>
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<tr>
<td>5 Min</td>
<td>DevOps Updates</td>
<td>Ernesto</td>
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<tr>
<td>5 Min</td>
<td>Jakarta Release Overview</td>
<td>Ernesto</td>
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<tr>
<td>10 Min</td>
<td><code>edgeX-compose/edgeX-docs automation</code></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)
- Jim White
- Bill Mahoney - Intel
- Farshid Tavakolizadeh - Canonical
- Siggi Skulason - Canonical
DevOps WG Update

Pipeline Related

- [Complete] Archive 3rd Party compose images in edgex-compose for LTS releases
- [Backlog] #371 Go 1.17 released - Release Notes - On hold until Kamakura
- [Backlog] #370 Spike: multi-arch builds with buildx (spin up less nodes, speed up builds)
- [Backlog] #59 Spike: rewrite git-semver in python

Other

- [Complete] Jakarta Release
- [Complete] Developer Badge Program
  - Launching soon.
Jakarta Release Overview

- Sample Jakarta commit: [https://github.com/edgexfoundry/edgex-go/commit/b350bc7f0b5978358426c58bec3f554618d1aae9](https://github.com/edgexfoundry/edgex-go/commit/b350bc7f0b5978358426c58bec3f554618d1aae9)

Potential Issue with what is considered “latest” for the main branch when we have LTS builds. Farshid is going to write up the issue so we can look for a potential solution.

A separate git tag was mentioned as a potential solution. See: [https://semver.org/#spec-item-10](https://semver.org/#spec-item-10)
edgex-compose/edgex-docs Automation

• Existing edgex-compose automation
  • https://github.com/edgexfoundry/cd-management/tree/edgex-compose-builder

• New edgex-compose automation for LTS releases:
  • Archive 3rd party docker images to nexus
  • 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
  - T-shirt–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)
Notes