DevOps Working Group

Thursday February 17, 2022
<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>20 Min</td>
<td>Git-semver Python Re-write</td>
<td>Emilio</td>
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<tr>
<td>5 Min</td>
<td>AOB / Opens</td>
<td>Ernesto</td>
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Attendees

- Ernesto Ojeda (Host, me)
- Jim White
- Bill Mahoney (Intel)
- Chinu
- Emilio Reyes (Intel)
- Lenny - Intel
DevOps WG Update

Pipeline Related

- [Complete] #59 Spike: rewrite git-semver in python
- [Complete] Update edgex-gcc-base image to use alpine 3.15
- [In Progress] 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” due to EOL of current stream and will look at potential CentOS replacement with Rocky Linux
- [Backlog] edgex-docs release automation
- [Backlog] Setup bi-weekly builds for less active repos for Snyk vulns
- [Backlog] README Broken link detection pipeline

Other

- n/a
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)
  - Find it through README of DevOps repository, [https://edgexfoundry.github.io/edgex-global-pipelines/html/](https://edgexfoundry.github.io/edgex-global-pipelines/html/)