DevOps Working Group

Thursday April 14, 2022
## 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>15 Min</td>
<td>edgex-docs release automation</td>
<td>Ernesto</td>
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<tr>
<td>5 Min</td>
<td>AOB / Opens</td>
<td>Ernesto</td>
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Attendees

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

Pipeline Related
- [Complete] edgex-docs release automation. Demo today
- [In Progress] git-semver functional testing before cutover.

Other
- [Complete] #173 edgex-docs: mkdocs htmlproofer link checker plugin.
- [In Progress] edgex-global-pipelines documentation.
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/)
Notes

• Levski Planning
  • Credly API integration if needed (carry over from Kamakura)
  • htmlproofer checks on each edgex-docs PR
  • Automate version bump in swagger api files: https://github.com/edgexfoundry/edgex-go/blob/main/openapi/v2/*.yaml