## 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>edgex-compose/edgex-docs 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)
- Emiiio Reyee (Intel)
- Eric Bell - Linux Foundation
- Farshid Tavakolizadeh - Canonical
DevOps WG Update

Pipeline Related

- [In Progress] #371 Go 1.17 released - Release Notes
- [Complete] #370 Spike: multi-arch builds with buildx (spin up less nodes, speed up builds)
- [Backlog] #59 Spike: rewrite git-semver in python
- [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” a due to EOL of current stream and will look at potential CentOS replacement with Rocky Linux

Other

- [In Progress] Slight inefficiency found in Dockerfile with Go modules in regard to local docker builds. Will need to update all Go based Dockerfile’s to fix.
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
    - 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

**edgex-docs Automation**
1. update index.html with current version number to make it the default, i.e. 2.2
2. update versions file with next release, i.e. 2.3 - Levski
3. Create branch with these changes, commit and push
4. On main branch, update swagger links to use next version, i.e. 2.3, commit and push change.

**Release automation changes**
- For repositories with swagger docs, on the main branch, update the openapi/v2/*.yml files version to next version, 2.3.0
  - edgex-go
  - app-functions-sdk-go
  - device-sdk-g