DevOps Working Group

Thursday September 9, 2021
## Agenda

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Owner</th>
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<tbody>
<tr>
<td>5 Min</td>
<td>DevOps Updates (Jakarta)</td>
<td>Ernesto</td>
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<tr>
<td>15 Min</td>
<td>EdgeX Developer Badges Demo</td>
<td>Ernesto</td>
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<tr>
<td>5 Min</td>
<td>Jakarta Scope</td>
<td>Ernesto</td>
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<td>5 Min</td>
<td>AOB / Opens</td>
<td>All</td>
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DevOps WG Update (Jakarta)

Pipeline Related

- [Backlog] Alpine 3.12 Security Support Ends May 1, 2022, suggest moving to Alpine 3.14 May 1, 2023
  - [https://endoflife.date/alpine](https://endoflife.date/alpine)
  - golang:1.16-alpine3.14 is available
- [Backlog] LTS artifact rebuild planning.
  - Potential pipeline/release changes required to accommodate rebuilding of artifacts.

Other

- [In Progress] Spike Developer Badge Program
- [Hold] Master --> Main branch rename.
  - [Hold] /edgexfoundry All done except edgex-docs
Notes

Look into overriding final docker image with an env var for edgex repos.
Example, instead of:

FROM alpine:3.12

Do:

ARG ALPINE_VERSION
FROM alpine:${ALPINE_VERSION}
Jakarta Scope

Release:
- Spike: LTS research how to do with current release process, branching strategy, what components are LTS, etc
  - Result of this spike should turn into an implementation story for the Jakarta release
- Spike: LTS research vendored dependencies (Go and C) to allow rebuild of artifacts in case of dependency unavailability
  - Research the use of Nexus GO_PROXY
  - Result of this spike should turn into an implementation story for the Jakarta release
- Stretch
  - Spike: semantic-release research Docker Hub plugin (Rebuild in nexus and push to Docker Hub)
  - Spike: semantic-release research GitHub Release plugin (for everything)
  - Spike: semantic-release research Custom plugins (for edgex-compose)
  - Spike: semantic-release research best way to automate release (centralized vs decentralized)
  - Spike: semantic-release misc plugin research
  - Spike: semantic-release Small POC cut-over sample-service to use semantic-release

Tech Debt:
- Figure out if it is possible to remove Dockerfile.build
- Figure out how if it is possible to commit go.sum back with Go 1.16
- Documentation of edgex-global-pipelines
- Upgrade all DevOps Python scripts to Python 3.9
- Ongoing: Address any build images that need to be updated over time.
  - Golang
  - Gradle
  - etc.
- Go 1.17 upgrade (when applicable)

Other:
- Developer Badging