DevOps Working Group

Thursday October 20, 2021
## Agenda

<table>
<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>10 Min</td>
<td>EdgeX LTS Release Pipeline Changes</td>
<td>Ernesto</td>
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<td>5 Min</td>
<td>AOB / Opens</td>
<td>All</td>
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Attendees
DevOps WG Update (Jakarta)

Pipeline Related
- [In Progress] Implement pipeline changes for LTS
- [Complete] Implement changes to Go repositories for LTS
- [Resolved] Many pipeline failures due to timeout issues. Have opened a ticket with the LF: IT-23017
- [Resolved] Build Executors stacking up: IT-23027

Other
- [Hold] Spike Developer Badge Program
  - Finalizing details of Credly implementation
EdgeX LTS Release Pipeline Changes

• Functional Testing underway, should be fully end-to-end tested by next week
• Initial changes outlined here: https://github.com/ernestojeda/edgex-global-pipelines/blob/lts-changes/docs_src/releases/jakarta-lts-initial.md
EdgeX LTS Release Flow - Existing
EdgeX LTS Release Flow - LTS

Automated Release Process

Manual Release Process
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
- Out of scope due to LTS
  - 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 (hold for Kamakura)

**Other:**
- Developer Badging