



EDGE X FOUNDRY™

DevOps Working Group

Thursday September 9, 2021

Agenda

Time	Topic	Owner
5 Min	DevOps Updates (Jakarta)	Ernesto
15 Min	EdgeX Developer Badges Demo	Ernesto
5 Min	Jakarta Scope	Ernesto
5 Min	AOB / Opens	All

Attendees



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>
 - 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