EDGE X FOUNDRY

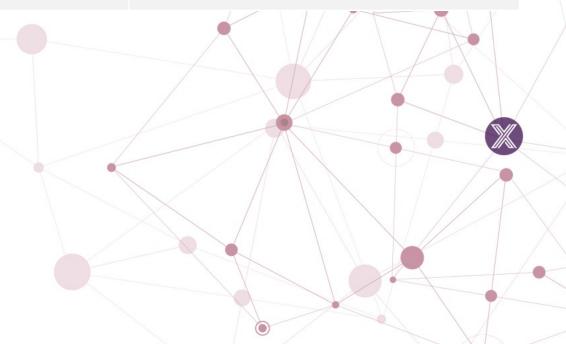
DevOps Working Group

Thursday September 9, 2021



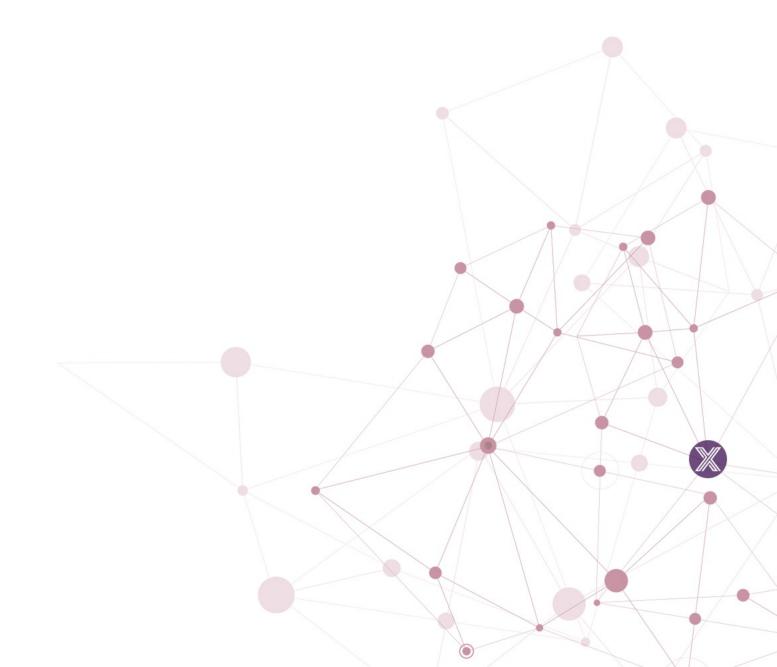
Agenda

| 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.

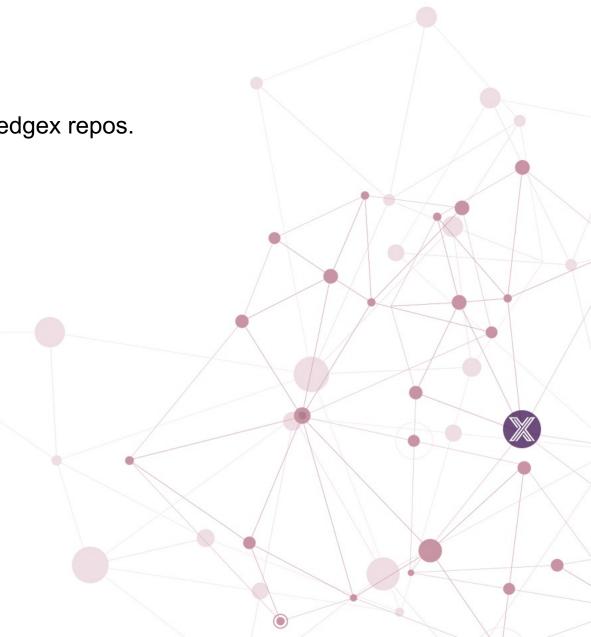
Example, instead of:

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
- 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
- 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



