



EDGE X FOUNDRY™

# DevOps Working Group

Thursday July 15, 2021






















# Agenda

Time	Topic	Owner
10 Min	DevOps Updates (Jakarta)	Ernesto
5 Min	Jakarta Scope	Ernesto
5 Min	AOB / Opens	All

# Attendees

Participants (9)

Search

- EO Ernesto Ojeda (Intel) (Host, me)    
- L- Lenny - Intel (Co-host)   
- BM Bill Mahoney (Intel)  
- CJ Chinu Joy(Intel)  
- ER Emilio Reyes (Intel)  
- EB Eric Ball - Linux Foundation  
- JW Jim White  
- SS Siggs Skulason (Canonical)  
- V( Venkat (Intel)  

Invite Mute All More ▾



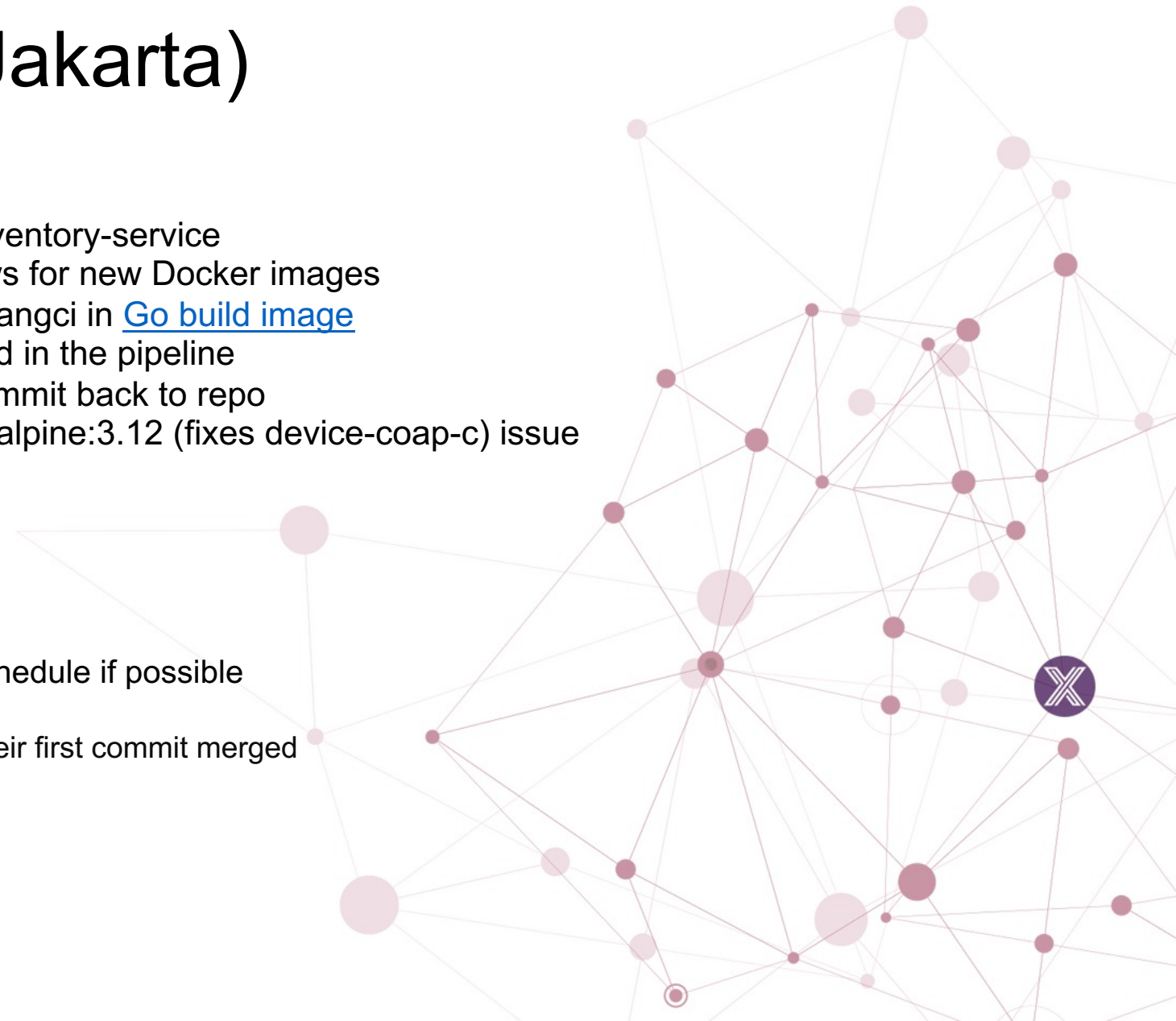
# DevOps WG Update (Jakarta)

## Pipeline Related

- [In Progress] Pipeline support for rfid-llrp-inventory-service
- [Complete] DockerHub description/overviews for new Docker images
- [Complete] Add support for hadolint and golangci in [Go build image](#)
- [In Progress] Spike: Replace Dockerfile.build in the pipeline
- [In Progress] go.sum research to enable commit back to repo
- [In Progress] update C base build image to alpine:3.12 (fixes device-coap-c) issue

## Other

- [Complete] Master → Main branch rename.
  - All done except edgex-docs
  - Need to update edgexfoundry-holding as well.
- Dot release support, need to get scope and schedule if possible
- [Hold] Spike Developer Badge Program:
  - Automated emails when developers have their first commit merged
  - Email badge that can be put on LinkedIn
  - Only send email on first merge





# Notes

device-coap-c:

- Fix coming for alpine:3.9 issue. Need to talk with Bryon and Bill to coordinate a potential patch release.
- Lenny mentioned the potential for a base runtime image that could be referenced in all Dockerfile's. This would allow us to control the base image version from one spot.
- LTS releases could use vendoring for Go dependencies. Look into adding a release process which uses go mod vendor to commit deps back to Git. This would allow the rebuild of the project in the rare case a module is not available.

# 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
- 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