



EDGE X FOUNDRY™

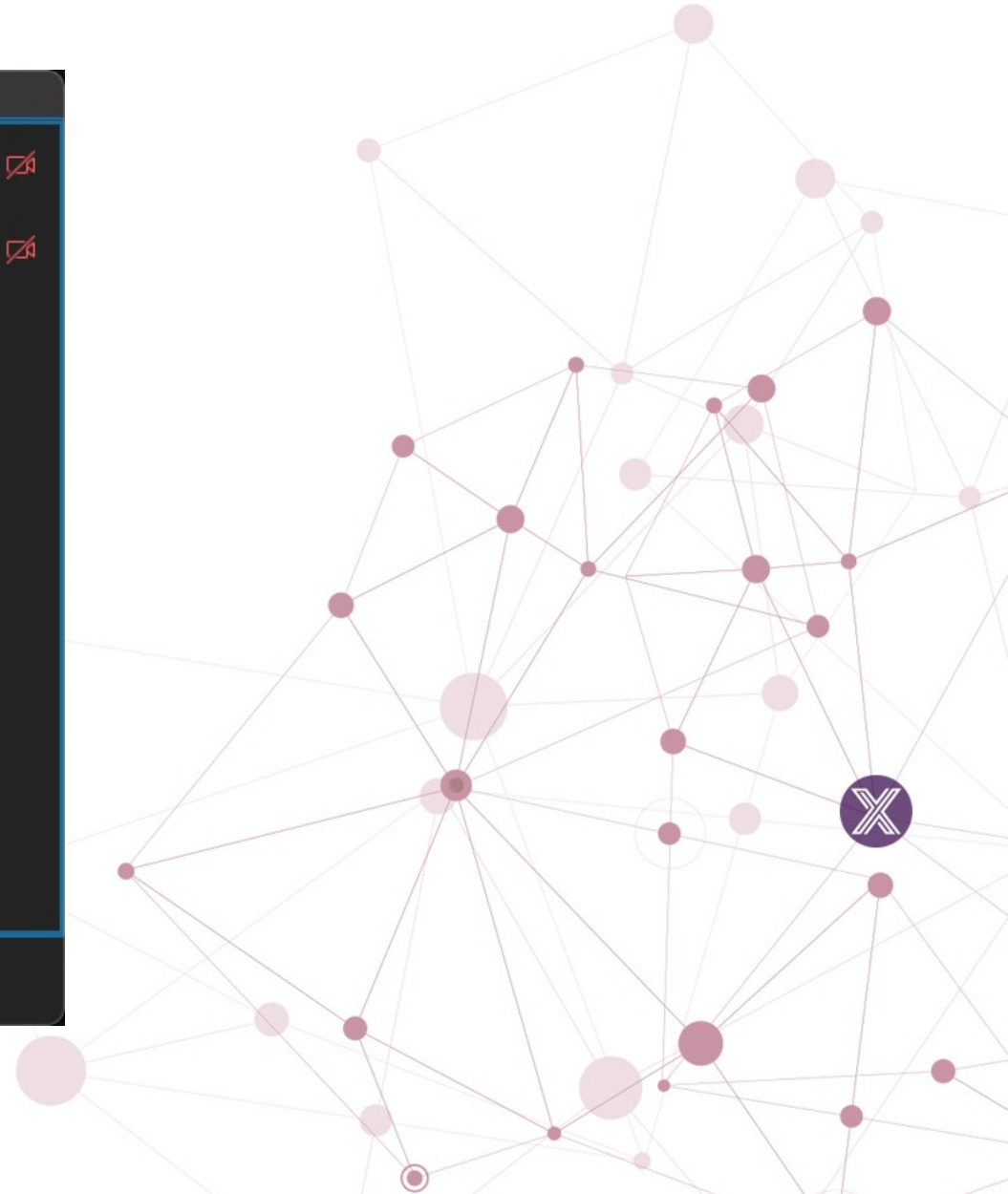
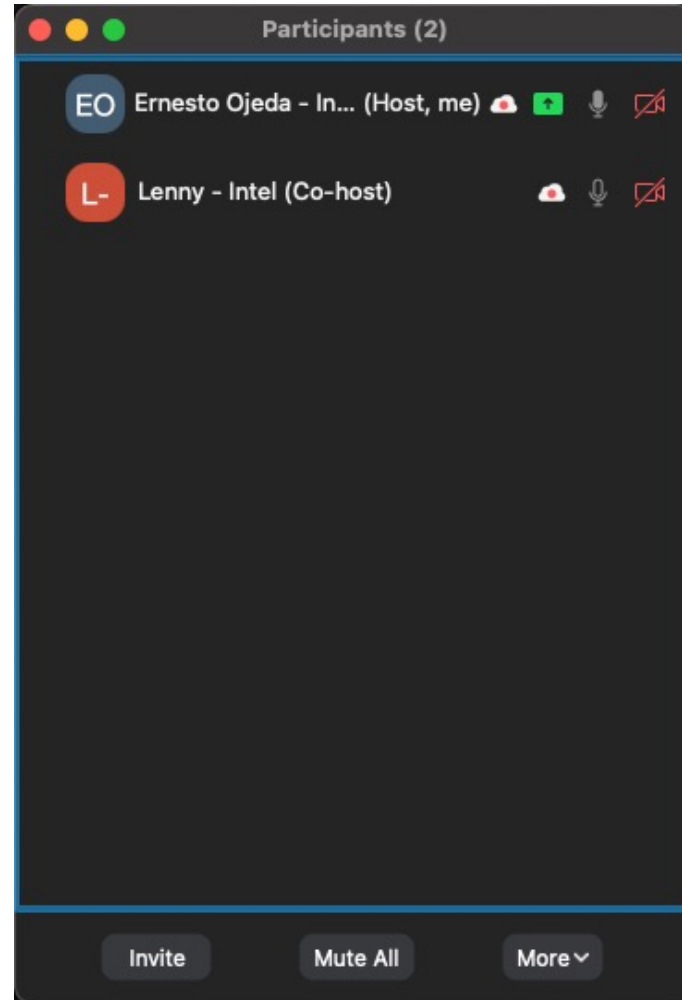
DevOps Working Group

Thursday October 20, 2021

Agenda

Time	Topic	Owner
5 Min	DevOps Updates (Jakarta)	Ernesto
10 Min	EdgeX LTS Release Pipeline Changes	Ernesto
5 Min	AOB / Opens	All

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](#)

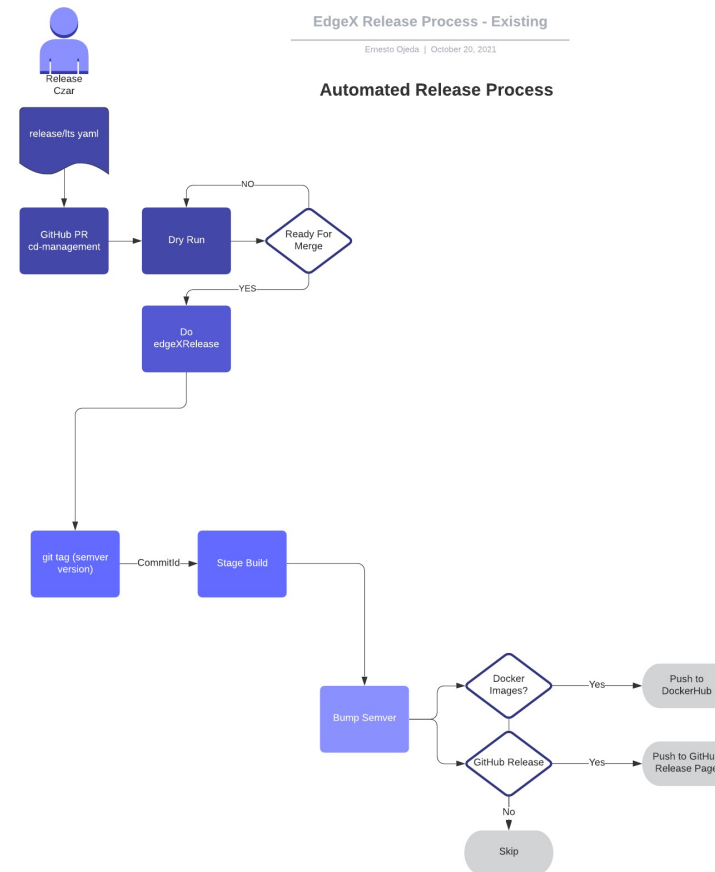
Other

- [Hold] Spike Developer Badge Program
 - Finalizing details of Credly implementation

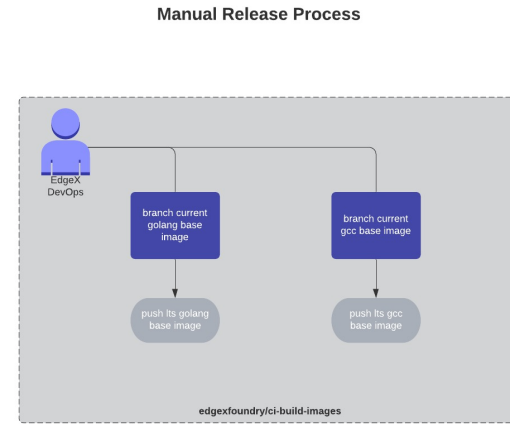
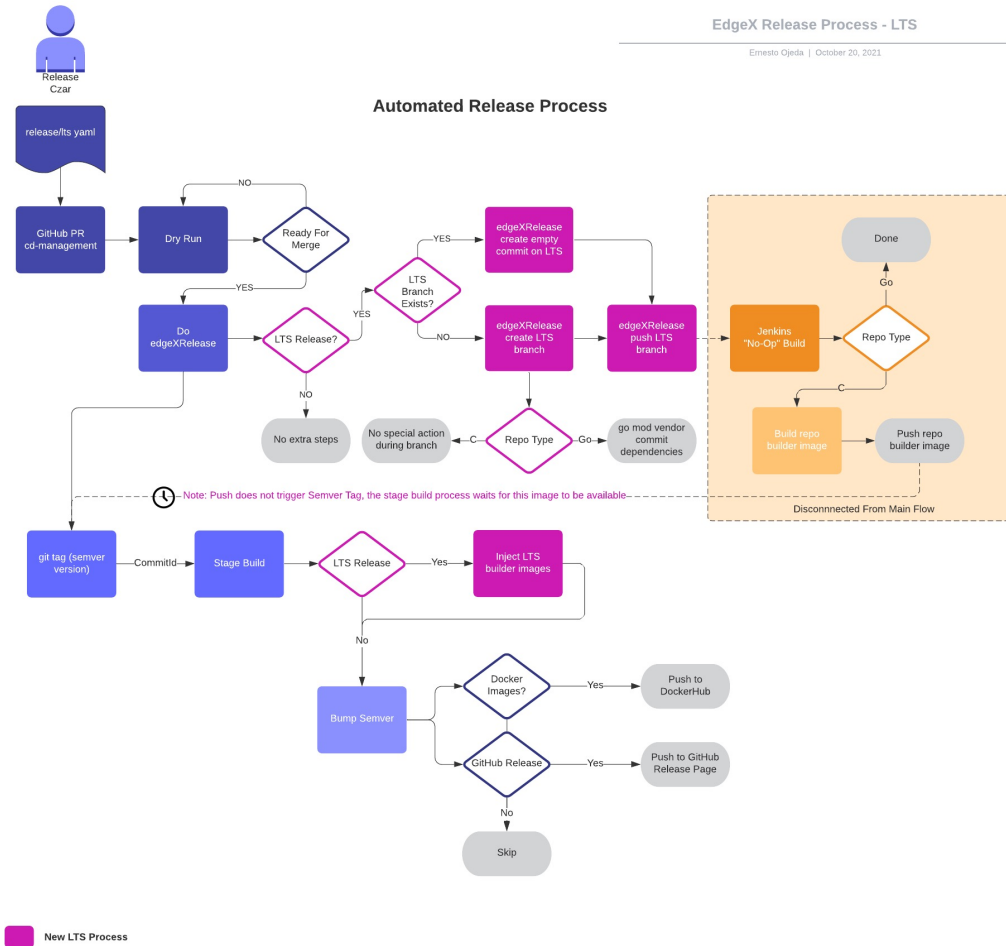
EdgeX LTS Release Pipeline Changes

- 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
- Functional Testing outlined here: https://github.com/ernestojeda/edgex-global-pipelines/blob/lts-changes/docs_src/releases/jakarta-release-stages.md

EdgeX LTS Release Flow - Existing



EdgeX LTS Release Flow - LTS



Notes



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