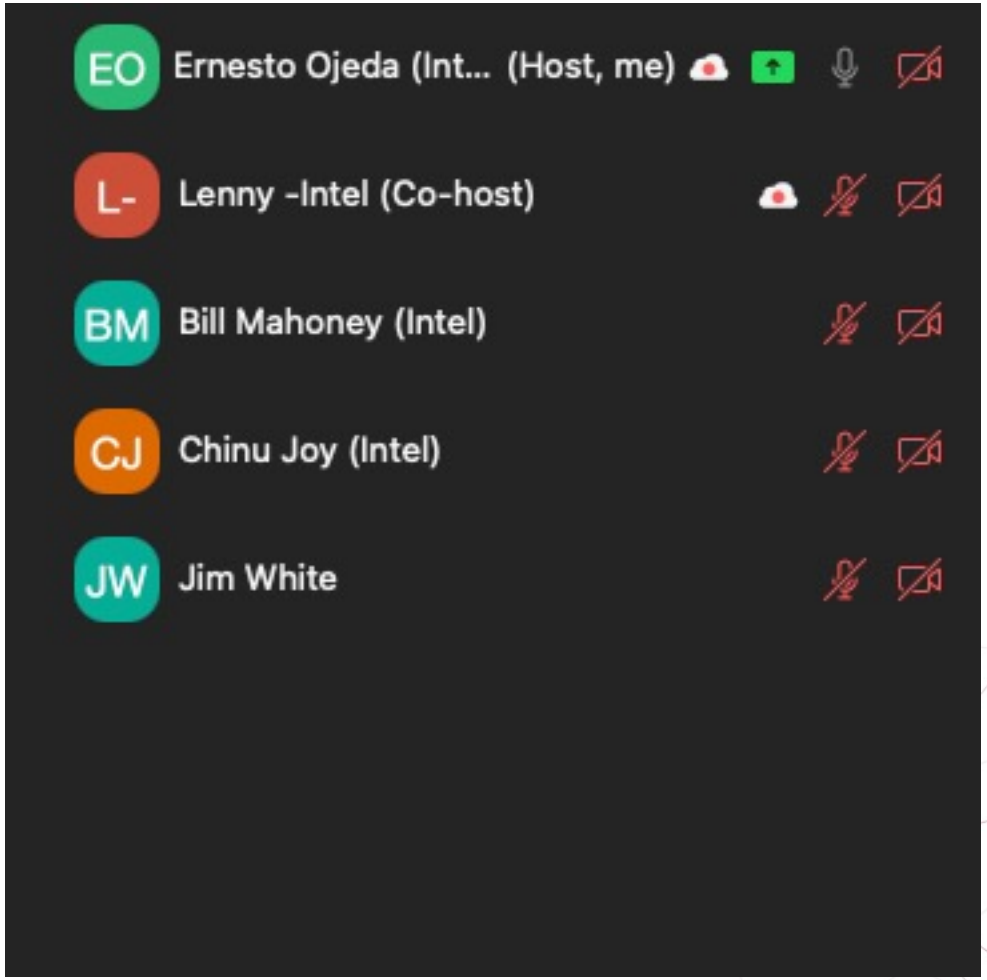
DevOps Working Group

Thursday August 5, 2021

Agenda

Time	Topic	Owner
5 Min	DevOps Updates (Jakarta)	Ernesto
5 Min	edgex-compose semver tagging	Ernesto/Lenny
10 Min	go.sum, Commit or No?	Bill
5 Min	Jakarta Scope	Ernesto
5 Min	AOB / Opens	All

Attendees


EO Ernesto Ojeda (Int... (Host, me)
L- Lenny -Intel (Co-host)
BM Bill Mahoney (Intel)
CJ Chinu Joy (Intel)
JW Jim White

DevOps WG Update (Jakarta)

Pipeline Related

- [In Progress] #345 EdgeX DevOps: Optional Dockerfile.build in pipeline
  - Found performance issues with edgex-go...Seems related to not having go mod download
- [Complete] #346 EdgeX Spike go.sum research to enable commit back to repo
- [Complete] #347 EdgeX DevOps: Generate repo badges for newly promoted repos

Other

- [Complete] Master → Main branch rename.
  - All done except edgex-docs
  - Need to update edgexfoundry-holding as well.
- [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

edgex-compose semver tagging?

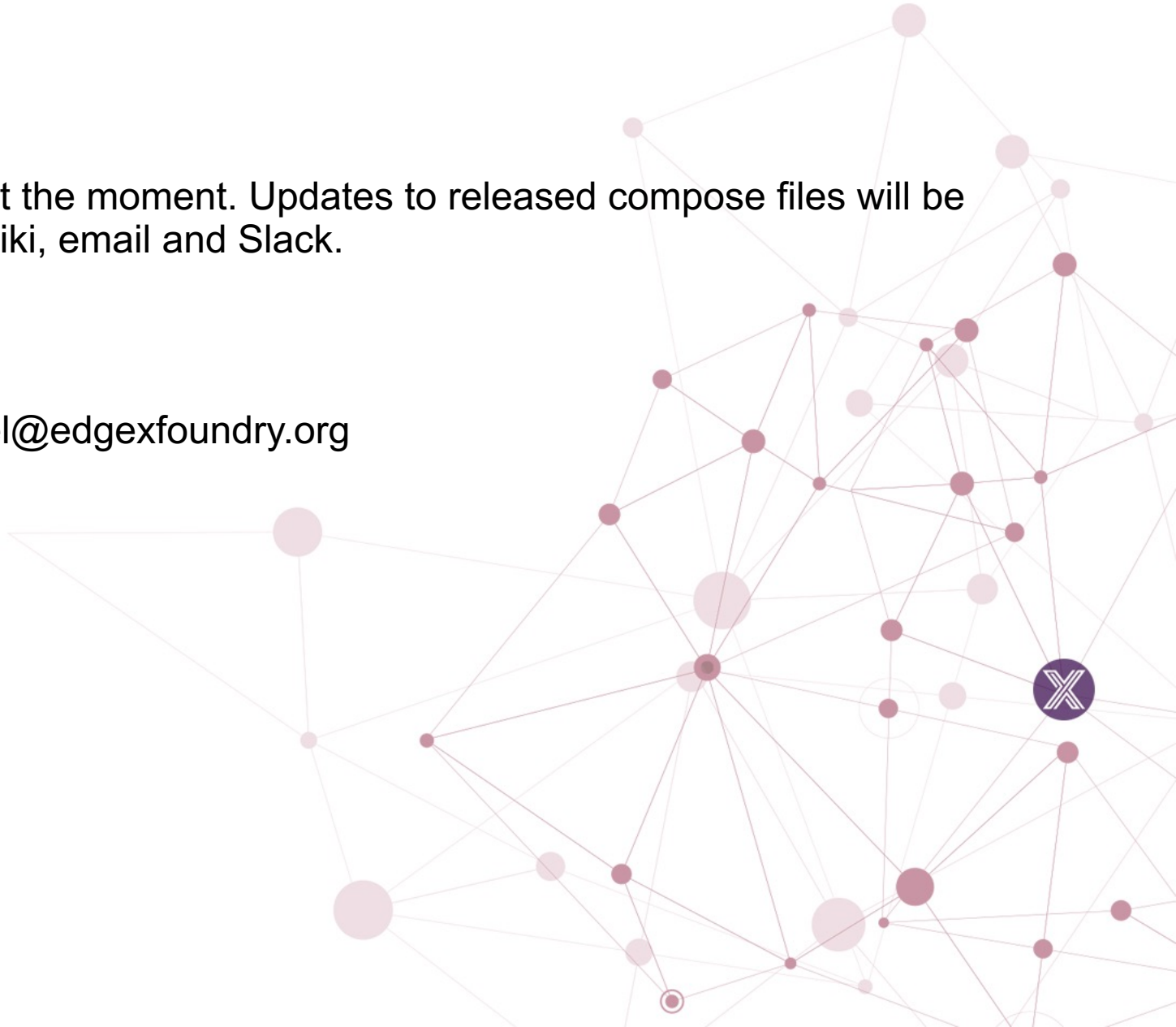
- ~~Recent updates may require edgex-compose to need tags~~
- ~~Pipeline exists, should we enable git-semver tagging or just manually create tags as needed?~~

Notes

Edgex-compose semver tagging not needed at the moment. Updates to released compose files will be communicated via the EdgeX Release page wiki, email and Slack.

Email Info:

edgex-tsc@edgexfoundry.org and edgex-devel@edgexfoundry.org



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