



EDGE X FOUNDRY™

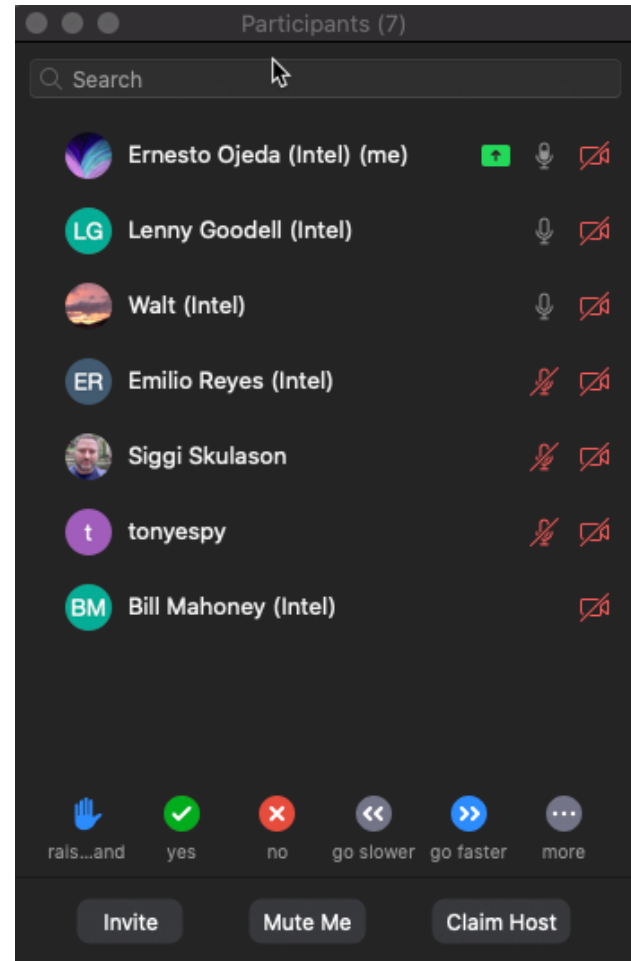
# DevOps Working Group

Thursday August 13, 2020

# Agenda

Time	Topic	Owner
10 Min	DevOps Updates (Hanoi)	Ernesto
15-20 Min	edgex-cli CI/CD discussion	Ernesto
5 Min	Kanban Board Review	All
5 Min	AOB / Opens	All

# Attendees



A screenshot of a Zoom meeting participants list window titled "Participants (7)". The window has a search bar at the top. Below it, seven participants are listed with their profile pictures, names, and organizational affiliations. Each participant has icons for video, audio, and chat. At the bottom of the list, there are several control buttons: "rais...and", "yes", "no", "go slower", "go faster", and "more". Below these buttons are three larger buttons: "Invite", "Mute Me", and "Claim Host".

Name	Organization	Video	Audio	Chat
Ernesto Ojeda	(Intel) (me)	On	On	On
Lenny Goodell	(Intel)	Off	On	On
Walt	(Intel)	Off	On	On
Emilio Reyes	(Intel)	Off	Off	On
Siggi Skulason		Off	Off	On
tonyespy		Off	Off	On
Bill Mahoney	(Intel)	Off	Off	On



# DevOps WG Update (Hanoi)

## • Pipeline Enhancements

- [#62](#) [Complete] Cleanup of non pre-release tags from edgex-global-pipelines version < v.1.0.87...
- [#64](#) [In Progress] SPIKE Research Functionality to rebuild artifacts after code freeze.
- [#43](#) [In Progress] Rewrite sample-service to better facilitate testing of DevOps services.

## • Other

- Code Signing - Iftools /sigul replacement
- LFTools / Sigul latest version that supports Python 3.x
  - LF is now considering an alternative signing tool - clarified that this is a future roadmap item - uncommitted
  - LF encountered some of the challenges within their fork trying to refactor sigul to support the latest Python 3.x – **WIP**

# edgex-cli CI/CD Discussion

## Notes from Core WG meeting

- Version 1 *around* the release of Hanoi (not tied to Hanoi release)
- Tony wants to include edgex-cli as a snap
- Mike put in the cli build artifact request to drive adoption
  - GitHub actions that attaches to the releases tab
- Use cross compile flags in Go?
- No real good cross platform packaging mechanism for packages
- Initial version perhaps tarball package on GitHub releases page
- (debian deb, rpm package, MacOS brew, windows MSI)
- Packaging as a Docker container?? Down the road as an "in addition to"

# edgex-cli Discussion

Latest release

v1.373.1

d290542

Verified

Compare ▾

## v1.373.1

snyksec released this 5 hours ago · 2 commits to master since this release

### 1.373.1 (2020-08-12)

#### Bug Fixes

- test: json output with all-projects flag (8258ef0)

#### Assets 11

 <a href="#">docker-mac-signed-bundle.tar.gz</a>	40.5 MB
 <a href="#">snyk-alpine</a>	107 MB
 <a href="#">snyk-alpine.sha256</a>	78 Bytes
 <a href="#">snyk-linux</a>	104 MB
 <a href="#">snyk-linux.sha256</a>	77 Bytes
 <a href="#">snyk-macos</a>	104 MB
 <a href="#">snyk-macos.sha256</a>	77 Bytes
 <a href="#">snyk-win.exe</a>	105 MB
 <a href="#">snyk-win.exe.sha256</a>	86 Bytes
 <a href="#">Source code (zip)</a>	
 <a href="#">Source code (tar.gz)</a>	

# edgex-cli Discussion

Latest release

v2.4.5

df899a7

Verified

Compare ▾

## v2.4.5

 rancherio-gh-m released this on Jun 19 · [4 commits](#) to master since this release

Merge pull request #279 from cbron/tidy

go mod tidy

### Assets 11

 <a href="#">rancher-darwin-amd64-v2.4.5.tar.gz</a>	4.11 MB
 <a href="#">rancher-darwin-amd64-v2.4.5.tar.xz</a>	3.11 MB
 <a href="#">rancher-linux-amd64-v2.4.5.tar.gz</a>	4.12 MB
 <a href="#">rancher-linux-amd64-v2.4.5.tar.xz</a>	3.11 MB
 <a href="#">rancher-linux-arm-v2.4.5.tar.gz</a>	3.84 MB
 <a href="#">rancher-linux-arm-v2.4.5.tar.xz</a>	2.77 MB
 <a href="#">rancher-windows-386-v2.4.5.zip</a>	3.85 MB
 <a href="#">rancher-windows-amd64-v2.4.5.zip</a>	4.06 MB
 <a href="#">sha256sum.txt</a>	970 Bytes
 <a href="#">Source code (zip)</a>	
 <a href="#">Source code (tar.gz)</a>	

# edgex-cli CI/CD Discussion

## Not in DevOps scope

- GitHub Actions... Maintaining two disparate DevOps processes seems like a bad idea. Gaps... Versioning, Scanning, etc.
- Is there a want/necessity to abandon Jenkins for something else GitHub Actions, etc.? Need to understand this so we know what the direction is.

## Potential DevOps Support

- enable git-semver to consistent versioning automatically version builds
- Create pipeline with the following stages
  - Test
  - Cross Compile (with git-semver version)
    - (New scope or just make target) How are these validated?
    - Linux (amd64/arm64)
    - Windows (amd64/arm64)
    - MacOS
  - Package artifacts (tarball)
  - Git-semver Push signed version tag
  - Push tarball to GitHub releases page (new scope)
    - This is a release activity when should this be done. How much involvement from the Release Czar is required? Update ADR10?
- Potential Additions
  - Snyk scan
  - Codecov.io



# Meeting Minutes

## Notes WW33

- Bill will present plan for artifact rebuild in upcoming WG meeting. Good feedback from community.
- [edgex-examples](#) repo can be used as a good starting point for sample-service rewrite.
- edgex-cli CI/CD
  - Will not be using GitHub Actions.
  - Will use Jenkins for CI pipeline. A lot of existing pipeline pieces can be reused.
  - Developers will own the cross-compile portion. Will provide a make target for CI to use i.e. `make build-all`
  - New scope of work for DevOps is to implement the GitHub releases API to automate the creation of a GitHub release.
  - There needs to be a discussion to finalize the GitHub Release process. Should a release be created on every merge to master? Or should it be at the discretion of the Release Czar to create a GitHub Release at the time of release?
  - Artifacts may potentially be archived to Jenkins or Nexus in case people want to be able to download the latest and greatest cli for testing purposes.