



EDGE X FOUNDRY™

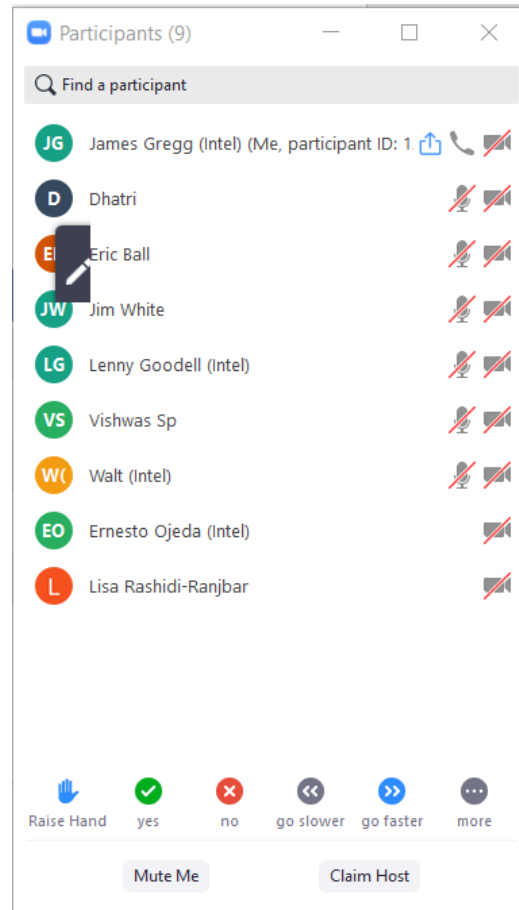
# DevOps Working Group

Thursday February 13, 2020

# Agenda

Time	Topic	Owner
10 Min	DevOps Updates	James
10 Min	Edgex-GO Pipeline	Ernesto
10 Min	Swagger / Docs Build Automation	Mike
10 Min	Backlog Review / Grooming	
	Opens	

# Attendees



# DevOps WG Update

## Geneva

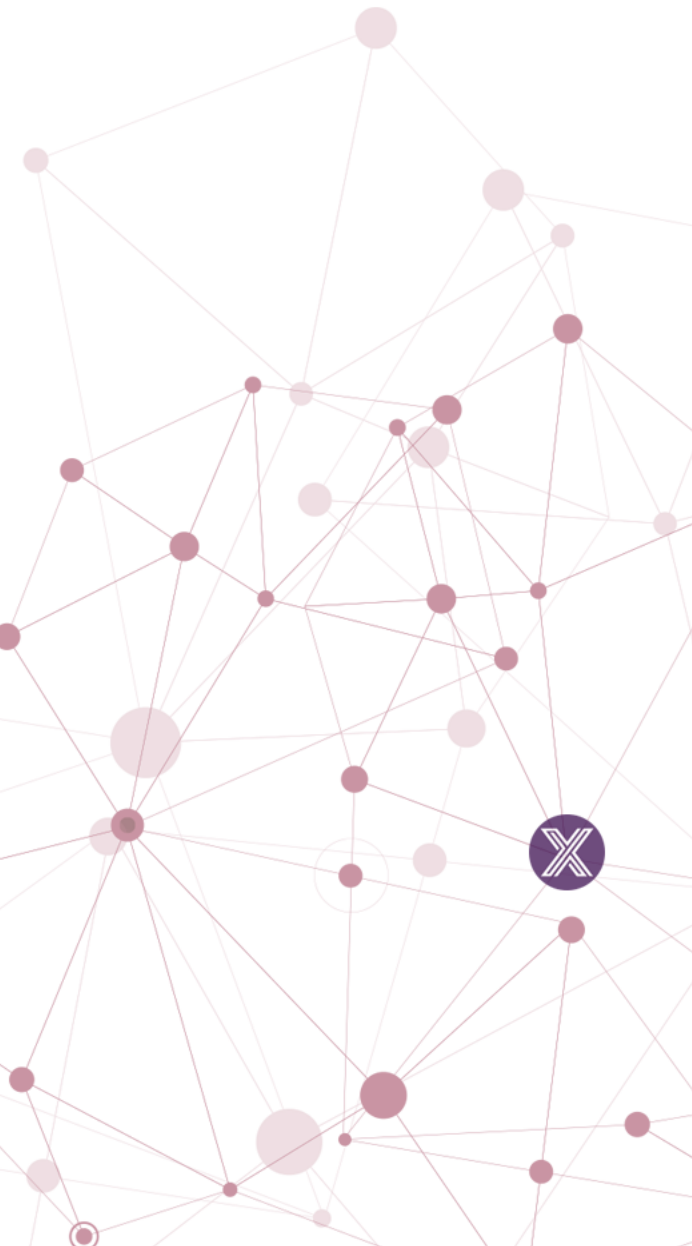
- Jenkins Transformation to Pipelines
  - Work continues on the transformation to Jenkins Pipelines
    - Lisa is starting the explore work to look into full automation of the release
    - Automation for the GitHub Issue labels - WIP
    - EdgeX-Go will be the next Pipeline converted in the next sprint.
      - Sandbox testing of new edgex-go pipeline has been WIP for a few weeks
      - Swagger
      - Go 1.13
    - git-semver unit testing - WIP
- **CommunityBridge - Advanced Snyk Reporting**
- EdgeX Foundry added to the CommunityBridge Vulnerability Reporting
  - Ticket still open with Heather Willson & David Deal / CommunityBridge team
  - EdgeX Project should have access to the advanced reporting “in a couple of days”

# Backlog Review

The screenshot displays the Jira backlog for the EdgeX Foundry Project. The interface includes a top navigation bar with filters for Repositories (98), Packages, People (68), Teams (99), and Projects (12). The main backlog is organized into five columns:

- New Issues (11):** Contains tasks such as "Additional monitoring / alerting - need something that identifies suspended nodes and resource availability on LF Jenkins infrastructure" and "Placeholder - Update documentation for developer enablement for Pipeline development".
- Release Backlog (1):** Features "Cleanup empty views in EdgeX Jenkins".
- In Progress (9):** Includes tasks like "Automation for the Git Hub Issues labels", "Spike: How will we automate full delivery (release management) of a Jenkins Pipeline", and "Create global function for snap releases (Geneva)".
- QA/Code Review (0):** Currently empty.
- Done (10):** Lists completed items such as "Add ARCH che arm64 nodes" and "Add unit tests coverage".

Each task card provides details like the issue key (e.g., ci-management#552), assignee (Jamesgregg), and labels (enhancement, geneva, phase 2). A search filter "Filter cards" is visible on the right side.



# Meeting Minutes

## Discussion

Edgex-GO pipeline is going to be merged this week.

Developers will need to rebase outstanding PRs so that they pick up the new Jenkinsfile

The new pipeline will build two architectures in parallel so what ever one takes the longest is what causes the pipeline to run that long. This takes the number of jobs down from 6 jobs to 1 pipeline doing it all.

Git-semver unit testing spike revealed that the code would need to be refactored. The DevOps team is evaluating re-writing it in Python vs Go. Because it is considered an upstream contribution, we would then also need to complete SDL deliverables. We're continuing to evaluate the options. This work is a dependency for the full automation release story that Lisa is working now.

No additional inputs from the PROBOT commitlinter.

PR templates are now in place for all DevOps repos.

There is a need for a working session to work through additional requirements for SWAGGER API publishing.

Lisa is working through the LF to coordinate DNS changes for existing developer documentation (hosted off of Nexus) and new developer documentation which will be hosted via GitHub Pages.

Dhatri is now going to pick up the story for the GitHub Issue label creation

# Meeting Minutes

## Discussion

### Snap Build Automation – Jenkins Pipeline / Global Library

<https://github.com/edgexfoundry/edgex-global-pipelines/issues/45>

Create global function for snap releases (Geneva)

Help Needed: Looking for Snap developer to work with us on the Snap Pipeline for Geneva

Working session scheduled – WW08

### Snapcraft global function

Thursday, February 6, 2020 10:15 AM

#### Help needed:

- Need help working with to create a global function to build snaps
- Need to collaborate figure out the proper triggers/timing to build a snap
  - o If possible remove the cron/daily triggers
- Need to collaborate on the release process and decide when it makes sense to push a snap to the snap store

#### Old notes:

Things to be done to turn this into a pipeline job:

- Create a build image for snapcraft to run in there is a Dockerfile in the existing shell script that could potentially be used
- EdgeX is built with the core18 base. This is why we need the build image
- Where to put things logic needs to be migrated from looking at a job name to some other logic see <https://github.com/edgexfoundry/ci-management/blob/master/shell/edgexfoundry-snapcraft.sh#L21-L29>



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# Past / Future Agenda Topics

WW03 – Continued Discussion Monitoring Solution (Nagios)	Eric Ball