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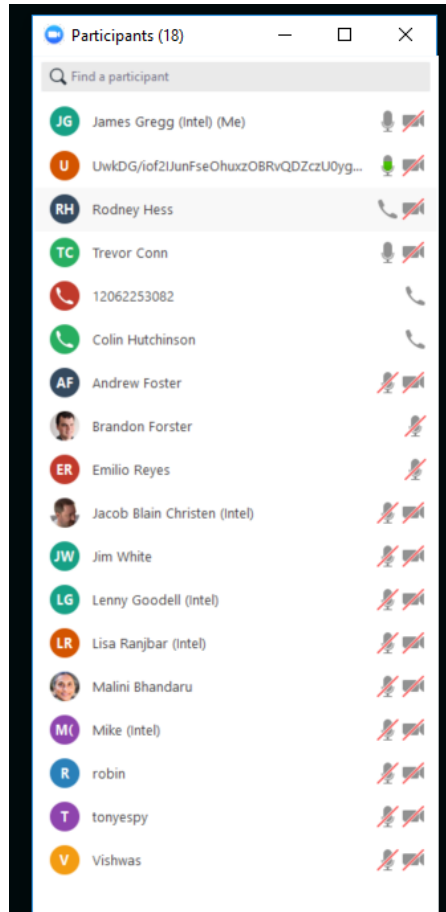
# DevOps Working Group

Thursday June 20, 2019

# Agenda

Time	Topic	Owner
10 min	Edinburgh Release : Release Coordination	James Gregg
20-30 min	Snap Discussion	Ian Johnson
20 min	Release Management: Semantic Versioning Process for releases	Lisa
	Opens	All

# Attendees



# EdgeX DevOps WG Update

- **Edinburgh Release Today (v1.0)**
- Please Submit Requests using the new JIRA request process
- Official Release Process
  - A leading representative from a particular project will initiate the release by doing the following:
  - Submit a Project Service / Release Artifacts ticket via JIRA - <https://support.linuxfoundation.org/> - with the following information:
    - Link to Jenkins staging job that produced artifact to be released
    - Type of artifacts to be released (jar, go bin, container)
  - The EdgeX Release Engineer will release signed artifacts as requested and git tag the repository found at the sha checked out in the aforementioned Jenkins staging job.
  - RE will push the tag to [https://github.com/edgexfoundry/\\$PROJECT\\_NAME](https://github.com/edgexfoundry/$PROJECT_NAME)
  - Project representation will PATCH bump the version of the project in the release branch in prep for next patch.

Per the discussion, Jim White will coordinate the release with all of the Working Group chairs and submit the JIRA request to LF.

# EdgeX DevOps WG Update

- Edinburgh Release Today (v1.0)
  - Submit Requests using the new JIRA request process
  - Announcement: Lisa Rashidi-Ranjbar has volunteered to take on the Release Czar role starting with Fuji release.
    - Formal announcement to the TSC via email will followed by formal vote of approval from TSC (6/26).
- Fuji Scope - Container Scanning (Clair Server landing request)
  - LF Management response indicates resourcing will be communicated after scoping exercise is completed next week.

# Work Review

Helpdesk Ticket #	Description	Details	Status
75648	Dedicated Clair server for EdgeX	Pending decision on strategy for K8s + cost / availability of resources with LF	WIP (Brett Preston)
68377	failed job related to timeout waiting for SSH	Eric Ball follow up with the team that owns VEXHOST – no progress Issue is with building new arm images – doesn't affect edgex builds decision to leave it open for now.. Circle back with VEXHOST team	WIP (Eric) Possible look at using a different OS for the builds Proposal to use Ubuntu instead of Centos ARM image

# Backlog Review

edgexfoundry / ci-management

<> Code Issues 5 Pull requests 3 Projects 1 Wiki Security Insights

Tasks  
Updated 17 hours ago

- 9 TODO**
  - Create the automation to create the SDL ...  
Release Artifact requested of all Edinburgh Docker images. (@soda480)  
US4751  
Added by Jamesgregg
  - Modify the Jenkins JJB template for volume view ...  
#417 opened by Jamesgregg
  - Placeholder for snap global function in edgex-global-pipelines (FUJI)  
US4581  
US4580  
Added by Iranjbar
  - update global-pipelines basebuild Docker image for go lang 1.12 ...  
Added by Jamesgregg
  - <https://github.com/edgexfoundry-holding/go-mod-core-security> ON-HOLD (FUJI)  
Added by Jamesgregg
  - New Tooling for Release Czar (Place Holder)  
Organize Project work using GitHub issues with Zen Desk  
US4755  
Added by Jamesgregg
  - Jenkins\_pipeline\_presentation (FUJI) ...  
delete repo once updated documentation completed  
Note: Lisa is working on updated Jenkins Pipeline documentation and this repo will potentially be Obsolete once
- 4 In Progress**
  - Clair Server landing - LF Infrastructure or AWS decision and architecture / \$\$ with TSC approval (@Jamesgregg)  
Added by Jamesgregg
  - Need to complete the codecov.io integration for all EdgeX services (FUJI)  
#412 opened by Jamesgregg  
Fuji
  - Explore for SAST additional tooling ...  
US4288  
Review of Analysis WW26  
Added by Jamesgregg
  - SPIKE: Need to comprehend the architecture - and full scope of work needed to support the proposed test automation framework which will use robot framework for QA-Test (@vishwassp-hcl-intel)  
US4294  
Added by Jamesgregg
- 3 Test/QA/Verification/Review**
  - New Jenkins Pipeline Needed for : edgex-ui-clojure  
#388 opened by Jamesgregg
  - device-snm-go [new pipeline job] (@dweomer)  
#391  
edgexfoundry/device-snm-go#7  
edgexfoundry/device-snm-go#10  
edgexfoundry/device-snm-go#11  
#402  
Added by Jamesgregg  
5 References Show
  - performance-testing (Cloud Tsai)  
edinburgh branch / code freeze  
Added by Jamesgregg
- 54 Done**
  - Remove maven-release-california from Jenkins job views  
#413 opened by Jamesgregg
  - Delete Repo from holding  
#416 opened by Jamesgregg
  - remove export view  
#415 opened by Jamesgregg
  - remove california-release-docker view ...  
#414 opened by Jamesgregg
  - LF Infrastructure Roadmap Request  
<https://jira.linuxfoundation.org/browse/RELENG-2035>  
Added by Jamesgregg
  - device-virtual-go (@Jamesgregg)  
edinburgh branch / code freeze  
#398 #401  
Added by Jamesgregg  
2 References Show
  - device-sdk-go (@dweomer)  
edinburgh branch / code freeze  
#403  
Added by Jamesgregg  
1 Reference Hide
  - add edinburgh stream for device-sdk-go  
#403 opened by dweomer in edgexfoundry/ci-management  
Changes approved

# Meeting Minutes

Quick Review of the Backlog and Project Tracker with updates on the work Vishwas has been helping with for QA-Test Working group.

Decision is to reuse the same Jenkins build process for the Test Automation Framework using Jenkins since we do not have the bandwidth within Fuji timeframes for landing dedicated Test Host VMs and lab environment with physical hardware (edge appliances).

Next week we will review SAST Analysis and try to come up with a decision around implementing true static code analysis tooling for the project.

Additional with is WIP for the Codecov.io integration after finalizing the repos that will be configured.





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# Fuji Planning

Scope Discussions

# Fuji – DevOps

## In

- Static code analysis tool identified and integrated into the EdgeX Jenkins Pipeline for Docker image scanning (Clair Server)

Explore SAST for true static code analysis to include additional tooling such as Fortify / Coverity

- Code and artifact signing with semantic versioning
- Fix Documentation – edgex-go
  - Create a new repo for edgex-docs
- Build Performance Optimizations
  - Pipelines for EdgeX Foundry base build images
  - Basebuild images managed locally within Nexus
  - Leverage PyPi Proxy for local pip dependencies
  - ARM builds – optimization leveraging different high CPU build nodes / OS (ARM Team)

## Out

- Alternate deployment/orchestration
  - Beyond Docker/Snaps
  - Kubernetes
  - Kata Containers
  - ...
- SonarQube – SonarCloud is already in play in the LF Decision: wait to see what codecov.io offers
- Suggestion to rename all of the Jenkins “arm” jobs so as to differentiate 32bit / 64bit architectures
- Full Pipeline transformation for EdgeX services





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# Edinburgh Release

Release Planning

# Edinburgh Dates

- Freeze Date – May 28
- Release Date – June 20





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# Future Agenda Topics

WW14	Documentation migration – edgex-go user documentation
WW14	Topics for Fuji F2F Jenkins Pipelines for EdgeX services
WW15	Review Aqua Microscanner – Image scanning tool for Vulnerabilities
WW16	NVIDIA – Security tooling within CodePipeline (Trevor request) 4/18/19
WW17	
WW18	
WW24	
WW	
	<a href="#">Athens Project</a> – proxy server for go package dependencies
	Community Involvement