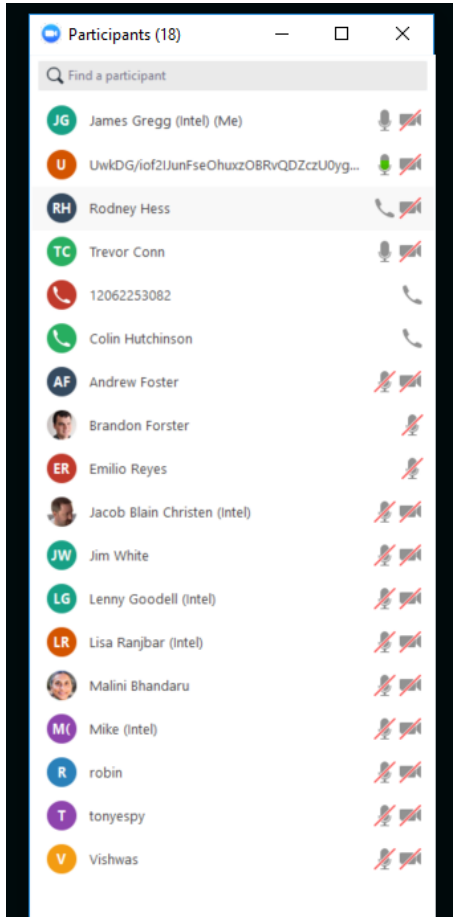
DevOps Working Group

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


Participants (18)
Find a participant
James Gregg (Intel) (Me)
UwkDG/iof2IJunFseOhuxzOBRvQDZczU0yg...
Rodney Hess
Trevor Conn
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Colin Hutchinson
Andrew Foster
Brandon Forster
Emilio Reyes
Jacob Blain Christen (Intel)
Jim White
Lenny Goodell (Intel)
Lisa Ranjbar (Intel)
Malini Bhandaru
Mike (Intel)
robin
tonyespy
Vishwas

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
  - 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.

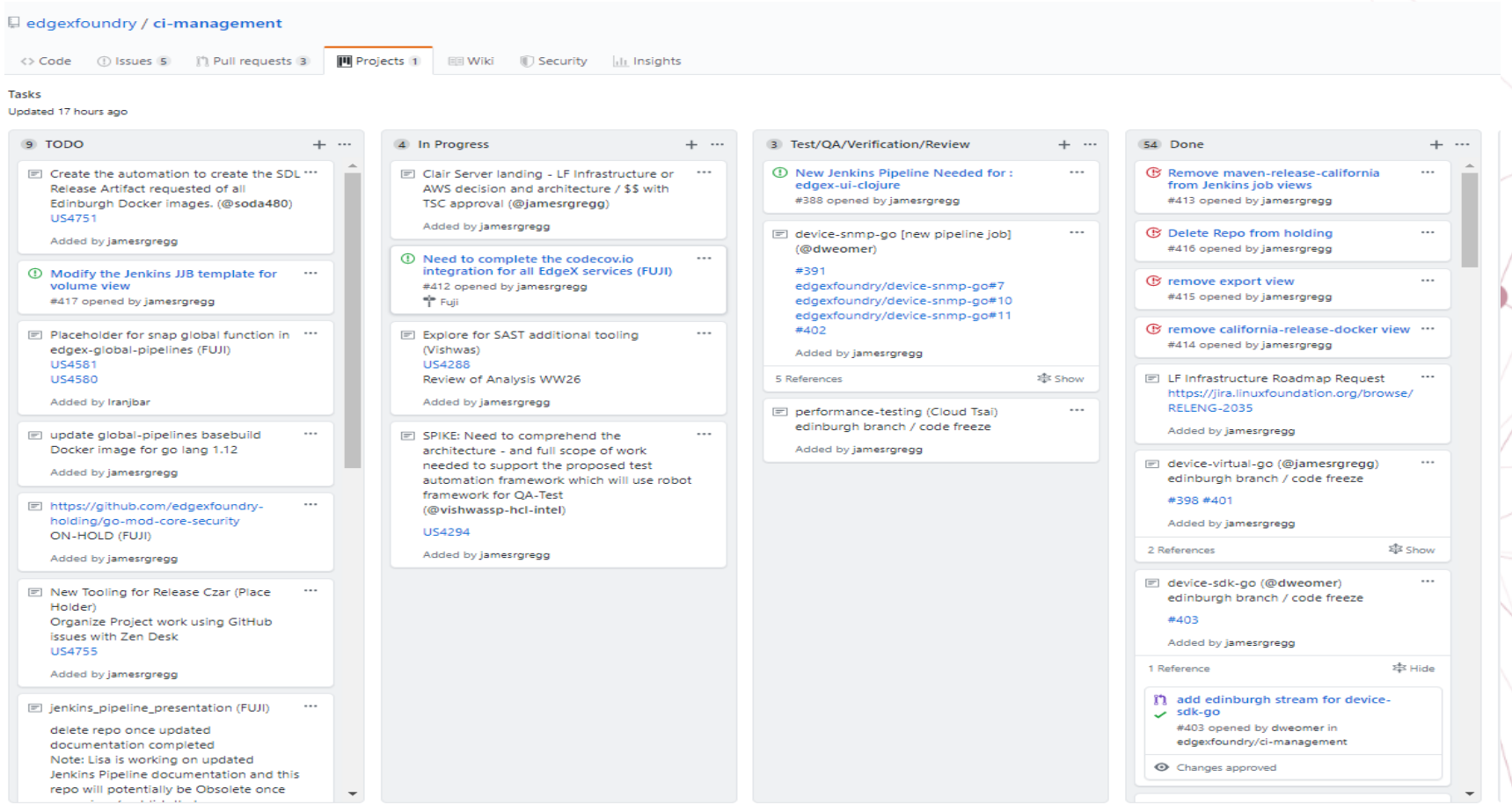
EdgeX DevOps WG Update

- 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



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	
	Athens Project – proxy server for go package dependencies
	Community Involvement