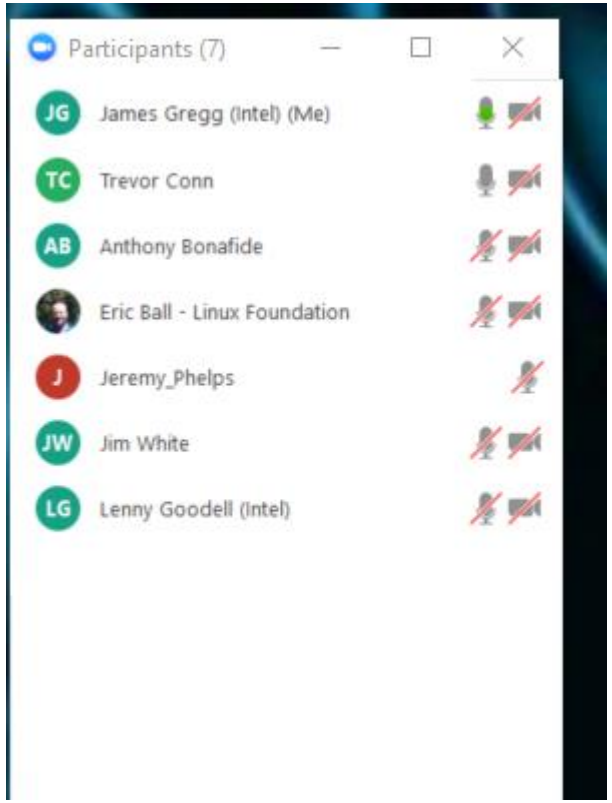
DevOps Working Group

Thursday May 30, 2019

Agenda

Time	Topic	Owner
20 min	Edinburgh Release : Review Status / Discussion	James Gregg
10 min	Backlog	
10 min	Other Business Items	
10 min	Opens	All

Attendees


Participants (7)
JG James Gregg (Intel) (Me)
TC Trevor Conn
AB Anthony Bonafide
Eric Ball - Linux Foundation
J Jeremy_Phelps
JW Jim White
LG Lenny Goodell (Intel)

EdgeX DevOps WG Update

- Edinburgh Release
  - DevOps team didn't have permissions to cut the branches
    - Coordinated with Eric Ball via EdgeX Helpdesk to create the Edinburgh branch
      - Improvements in the Release Process should call for more automation / less human glue
  - Go Modules – Delay on the tagging
    - git-semver
    - Work around using git tag command
      - Plan to add git-semver back in to Pipeline jobs (Fuji)
      - Need to clarify on the tagging (verified signed tags) – What's the visual indicator that tag has been signed?
- Security services – Need Clarification from Jim White
  - Security-api-gateway - Branch not cut – Needed today / JJB – need to update go-mod-core-contracts first
  - Security-secret-store - Branch not cut – Needed today / JJB
- EdgeX-global-pipelines - base build images
  - Pipelines use images from nexus (Staging)
  - Request to update to Snapshot (nexus: 10003)
- Kong ARM64 image not working for blackbox-security-tests
  - Need to change the VM to a specific ARM image (unknown which one at this time)
    - For Now: Carry forward without performance testing of the ARM builds
    - Andy Foster has communicated that there will be no Kong Blackbox test in this release (Potential Fuji scope)

Edinburgh Release

4/28 Code Freeze

Meeting 4/28 10:30AM PST

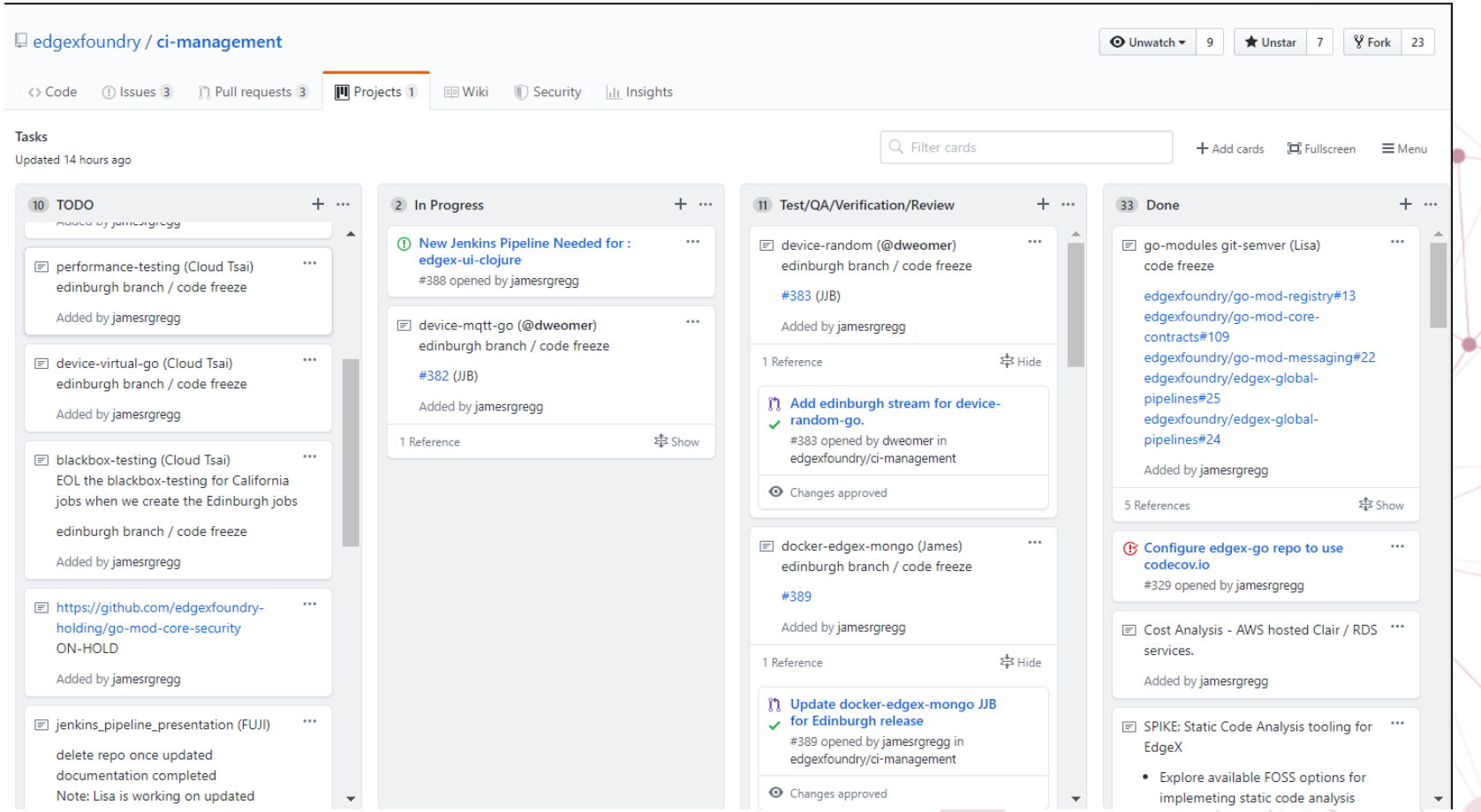
Slack Communications in the afternoon worked well for everyone

Working Session scheduled with bridge but not needed

Work Review

Helpdesk Ticket #	Description	Details	Status
69830	codecov.io config needed for edgex-go repo	Eric Ball has implemented codecov.io for edgex-go repo as of WW20 Additional repos identified to include SDK repos – hold off on additional repos for now until we have it working with edgex-go	Resolved (Eric)
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
71119	need to extend sigul to include additional functionality – bugs identified with lftools / sigul	– sigul enhancements included in release last Thursday LFTOOLS release v0.23.1 Lisa identified some defects Sigul enhancements being worked by LF resources with PR in Gerrit WW20	Resolved (Eric)
71025	TIG Performance Issues identified during testing on Sandbox	Tests are working in Sandbox but introduced OMM problems with AWS hosted TIG stack Redeployed the solution LF Infrastructure team engaged to resize the instances.	Resolved (Jordan) THANK YOU JORDAN CONWAY !! Outstanding PR for ci-management #338
71084	Enable PyPI for EdgeX Jenkins caching of python dependencies	SPIKE to see what it would take to enable the PyPI Proxy for caching dependencies on Nexus	Resolved THANK YOU ERIC BALL !! Pulled in Fuji scope!!!

Backlog Review



Meeting Minutes

Fuji Scope of Work

- Update on LF Decision for landing new infrastructure for Clair server
- James to send email to Jim White to see if we can get the LF decision maker identified

- Open issue with LF on roadmap / plans to address python dependencies
  - Eric Ball will try to get an answer from LF

- Long Term Tagging Strategy beyond Edinburgh raised by Trevor
  - Decision is to hold the course for now and gain key learnings from this release
  - Will bring back for discussion in next F2F

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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

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	
WW	
WW	
	Athens Project – proxy server for go package dependencies
	Community Involvement