



EDGE X FOUNDRY™

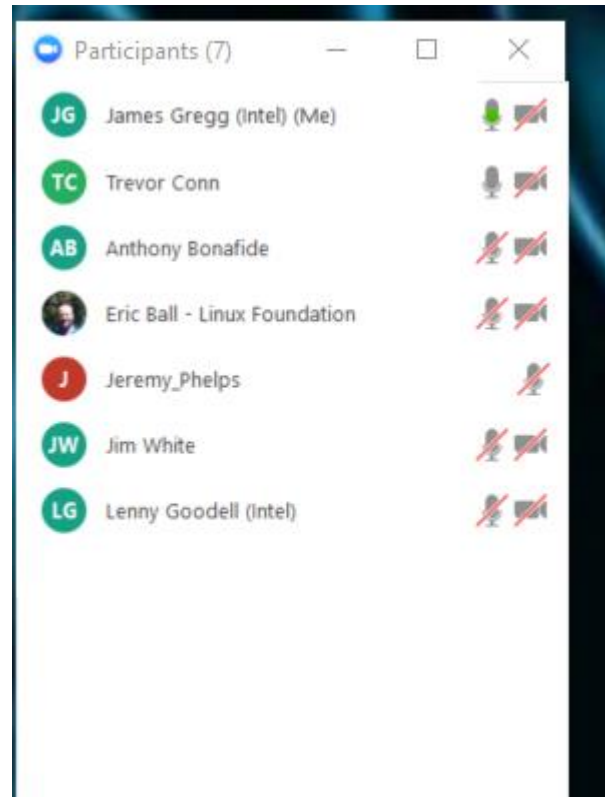
DevOps Working Group

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



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	<p>Eric Ball has implemented codecov.io for edgex-go repo as of WW20</p> <p>Additional repos identified to include SDK repos – hold off on additional repos for now until we have it working with edgex-go</p>	Resolved (Eric)
68377	failed job related to timeout waiting for SSH	<p>Eric Ball follow up with the team that owns VEXHOST – no progress</p> <p>Issue is with building new arm images – doesn't affect edgex builds</p> <p>decision to leave it open for now.. Circle back with VEXHOST team</p>	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	<p>– sigul enhancements included in release last Thursday LFTOOLS release v0.23.1</p> <p>Lisa identified some defects</p> <p>Sigul enhancements being worked by LF resources with PR in Gerrit WW20</p>	Resolved (Eric)
71025	TIG Performance Issues identified during testing on Sandbox	<p>Tests are working in Sandbox but introduced OMM problems with AWS hosted TIG stack</p> <p>Redeployed the solution</p> <p>LF Infrastructure team engaged to resize the instances.</p>	Resolved (Jordan) THANK YOU JORDAN CONWAY !! Outstanding PR for ci-management #338
71084	Enable PyPI for EdgeX Jenkins caching of python dependencies	<p>SPIKE to see what it would take to enable the PyPI Proxy for caching dependencies on Nexus</p>	Resolved THANK YOU ERIC BALL !! Pulled in Fuji scope!!!

Backlog Review

edgexfoundry / ci-management

Unwatch 9 Unstar 7 Fork 23

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

Tasks
Updated 14 hours ago

Filter cards + Add cards Fullscreen Menu

10 TODO

- performance-testing (Cloud Tsai)
edinburgh branch / code freeze
Added by jamesgregg
- device-virtual-go (Cloud Tsai)
edinburgh branch / code freeze
Added by jamesgregg
- blackbox-testing (Cloud Tsai)
EOL the blackbox-testing for California jobs when we create the Edinburgh jobs
edinburgh branch / code freeze
Added by jamesgregg
- <https://github.com/edgexfoundry/holding/go-mod-core-security>
ON-HOLD
Added by jamesgregg
- jenkins_pipeline_presentation (FUJI)
delete repo once updated
documentation completed
Note: Lisa is working on updated

2 In Progress

- New Jenkins Pipeline Needed for : edgex-ui-clojure
#388 opened by jamesgregg
- device-mqtt-go (@dweomer)
edinburgh branch / code freeze
#382 (JJB)
Added by jamesgregg
1 Reference Show

11 Test/QA/Verification/Review

- device-random (@dweomer)
edinburgh branch / code freeze
#383 (JJB)
Added by jamesgregg
1 Reference Hide
Add edinburgh stream for device-random-go.
#383 opened by dweomer in edgexfoundry/ci-management
Changes approved
- docker-edgex-mongo (James)
edinburgh branch / code freeze
#389
Added by jamesgregg
1 Reference Hide
Update docker-edgex-mongo JJB for Edinburgh release
#389 opened by jamesgregg in edgexfoundry/ci-management
Changes approved

33 Done

- go-modules git-semver (Lisa)
code freeze
edgexfoundry/go-mod-registry#13
edgexfoundry/go-mod-core-contracts#109
edgexfoundry/go-mod-messaging#22
edgexfoundry/edgex-global-pipelines#25
edgexfoundry/edgex-global-pipelines#24
Added by jamesgregg
5 References Show
- Configure edgex-go repo to use codecov.io
#329 opened by jamesgregg
- Cost Analysis - AWS hosted Clair / RDS services.
Added by jamesgregg
- SPIKE: Static Code Analysis tooling for EdgeX
Explore available FOSS options for implementing static code analysis

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

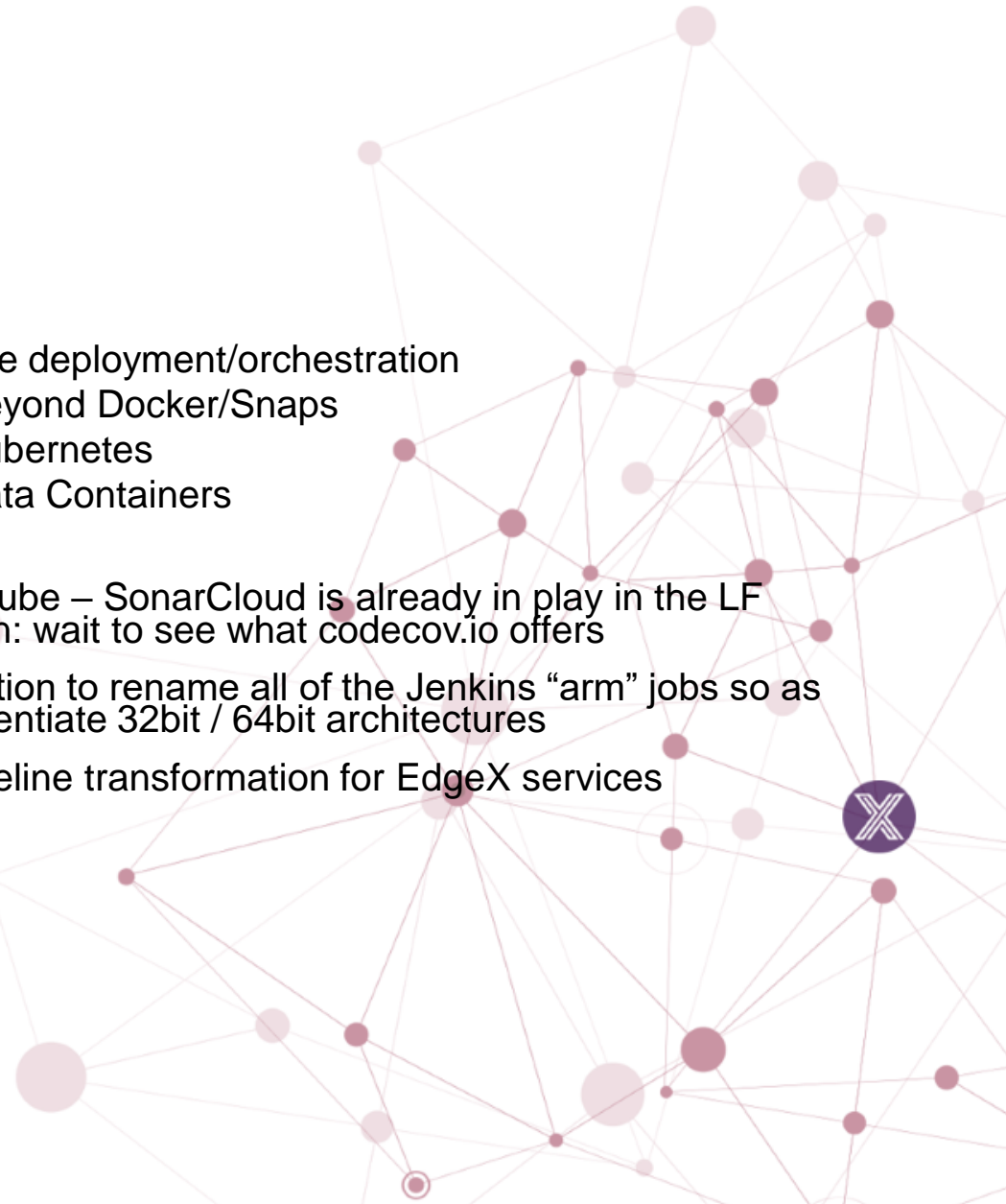
- Static code analysis tool identified and integrated into the EdgeX Jenkins Pipeline for Docker image scanning

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