



EDGE X FOUNDRY™

DevOps Working Group

Thursday January 30, 2020























Agenda

Time	Topic	Owner
5 Min	DevOps Updates	James
10 Min	Backlog Review / Grooming	All
20 Min	Open Horizons Discussion	Joe Pearson
10 Min	Other Business / Demo	
10 Min	Opens	

Attendees

Participants (11)

Find a participant

JG	James Gregg (Intel) (Me)	  
LR	Lisa Rashidi-Ranjbar	 
AB	Anthony Bonafide	 
D	Dhatri	 
ER	Emilio Reyes	
E	Ernesto	 
JW	Jim White	 
JP	Joe Pearson (Open Horizon)	 
LG	Lenny Goodell (Intel)	 
VS	Vishwas Sp	 
W	Walt (Intel)	 



DevOps WG Update

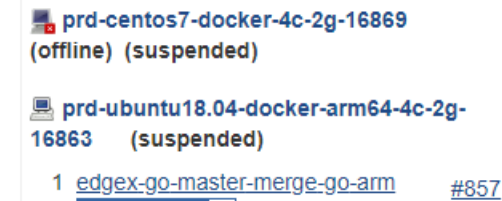
Geneva

- Jenkins Transformation to Pipelines
 - Work continues on the transformation to Jenkins Pipelines
 - Issue #547 - Lisa completed the work to add the additional environment variable needed to support APIv2 tests
 - Completed a lot of cleanup of legacy JJB templates
 - New defect identified related to Device Services C Pipeline job - WIP
 - Worked with Snyk regarding recent message about *“approaching your limit of private tests this billing period”* - *increased the limits with Snyk support help and adjusted frequency of scans*
 - *Identified need to associate project as Open Source not private*
 - Started dialog regarding Snap release and need for Jenkins Pipeline to support snap release for Geneva – Help Wanted [Issue #45](#)
 - Given decision regarding use of PR Templates, Need decision on what additional explore work related to additional bots which automate and provide governance over the commit process.
- **CommunityBridge - Advanced Snyk Reporting**
- EdgeX Foundry added to the CommunityBridge Vulnerability Reporting
 - Ticket still open with Heather Willson / CommunityBridge team

Jenkins – LF Discussion

- Open_SSL issue – continue the dialog and explore needed to figure out some options to address the chronic issue
- Go Module Caching
 - Not consistently the same module
 - Nexus has Go Module caching enabled
- Monitoring
 - Size of the Queue - alerts beyond 10
 - Something to monitor and investigate the reason why we see suspended
 - Pipelines that are deleted sometimes still trigger
 - May need a reboot of Jenkins
 - Possibly not cleaning up the webhooks when a job is deleted
 - Coordinate this cleanup with LF when we're setting up repo branch protections
- Blackbox Tests

- Timelines for updating Python 3
 - Need to continue the upgrades global-jjb
 - AR: Eric Ball will open an internal ticket to work this upgrade

A screenshot of a Jenkins job status page. It shows two jobs: 'prd-centos7-docker-4c-2g-16869' which is '(offline) (suspended)' and 'prd-ubuntu18.04-docker-arm64-4c-2g-16863' which is '(suspended)'. Below these, there is a link to '1 edgex-go-master-merge-go-arm' with a progress bar and the number '#857'. The background of the slide features a network diagram with nodes and connecting lines, and a large 'X' logo on the right side.

prc-centos7-docker-4c-2g-16869
(offline) (suspended)

prc-ubuntu18.04-docker-arm64-4c-2g-16863 (suspended)

1 [edgex-go-master-merge-go-arm](#) #857

Snyk Project Settings – BKM

Open Source

If this project is open source, please specify the URI for the git remote where the source code can be found.

You must provide a valid git remote that is accessible to the internet without authentication.

Git remote URI

edgex-jenkins



james.r.gregg@intel.com

[Dashboard](#)

[Reports](#)

[Projects](#)

[Integrations](#)



[Settings](#)

Project was successfully marked as open source.

github.com/edgexfoundry/edgex-ui-go:go.mod

[Overview](#) [History](#) [Settings](#)

Snyk CLI Issue – Feature Request ??

 Jacky Cheung (Snyk support) <support@snyk.io>  Gregg, James R 10:45
[Snyk] Re: Snyk CLI needs to set project as open source
Retention Policy Mail Cloud - Inbox (60 days) Expires 3/29/2020



Jacky Cheung (Snyk)

Jan 29, 18:45 +01

Hi James,

I am figuring out if this is a possibility currently. If it is not, I shall tag this as a feature request.

Cheers,

Jacky



James R Gregg

Jan 29, 00:03 +01

We're running the Snyk CLI within our Jenkins Pipeline and when the project is first set up, we're noticing that it's set up as private initially, which forces us to go to the portal to configure the project as Open Source as per the documentation found here – https://support.snyk.io/hc/en-us/articles/360000910597?input_string=snyk+cli+needs+to+set+project+as+open+source

After looking at the Snyk CLI documentation, I can't find the option to set the project as open source. Is there an option to do so and if so, how it is typically done from within a Jenkins Pipeline where the Snyk CLI is part of a Docker image.

This is the command we are running:
snyk monitor --org=edgex-jenkins

How to Export and Import GitHub Issue Labels Between Projects

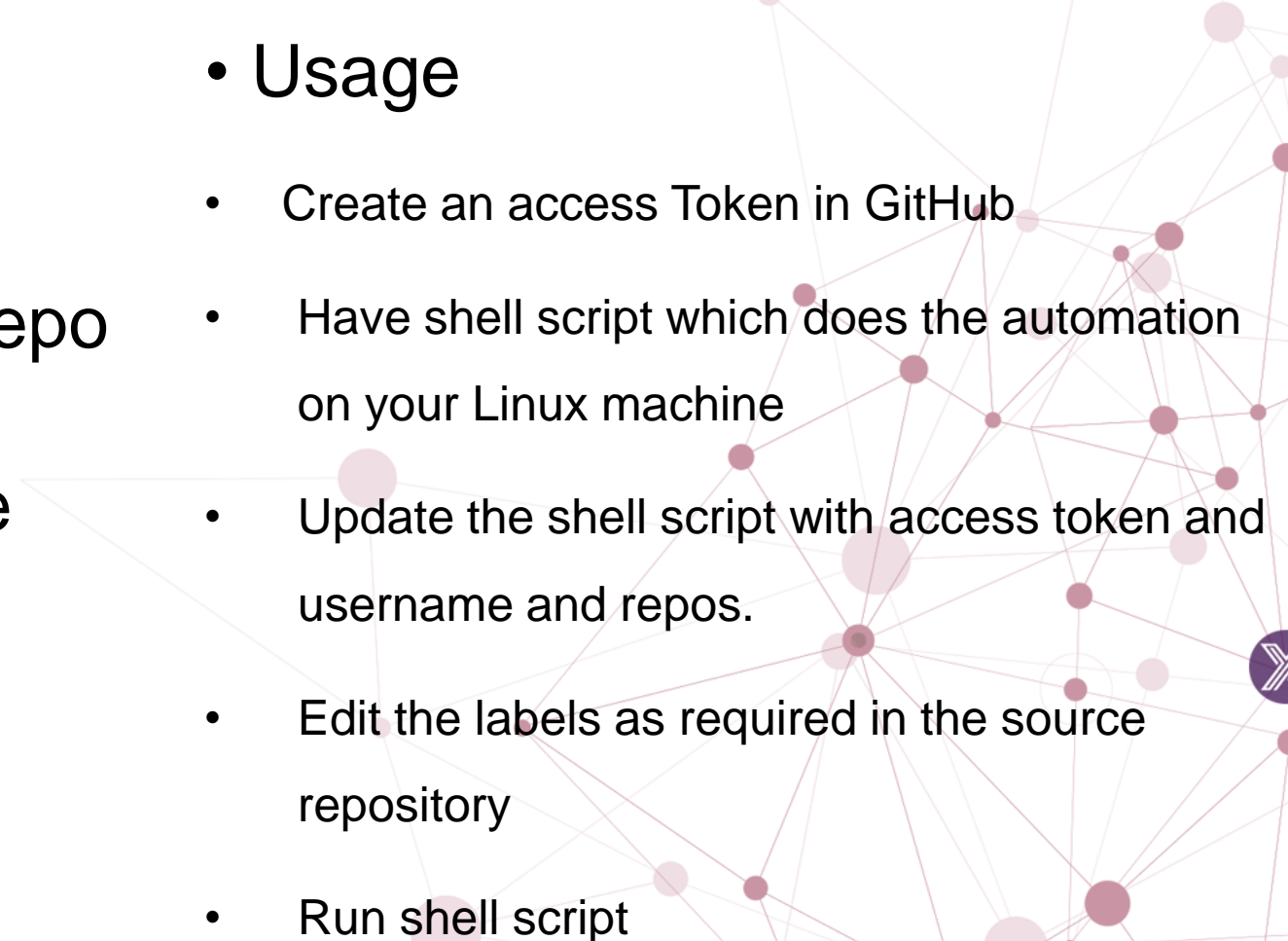
enhancement 🚀	A new feature suggestion or improvement upon an existing feature.	a11y	This needs improved accessibility. https://a11yproject.com/
salesforce known issue ⚠️	A known issue with the Salesforce platform and likely not something the app can address.	bug: crash 💥	App crashes and is unusable in a significant way.
security 🔒	Questions, concerns, or suggestions for improving the security of the app.	bug: regression 🔄	A new version of the app broke something.
status: in progress ➡️	Currently being developed for a future release.	bug 🐛	App is not working correctly.
status: on hold 🛑	Work has stopped. There may be one or more blockers or needs more information.	discussion 💬	Discussing usage, best practices, questions, etc.
status: resolved ✅	This has been addressed in a branch and will be scheduled for release in the assigned milestone.	documentation 📖	Related to improving documentation and the wiki.

- Command Line Automation with Bash
- Findings
- Ease of Use
- Demo
- Next Steps – Add story to backlog and work on the automation with LF

Reference:

<https://douglascayers.com/2019/08/01/how-to-export-and-import-github-issue-labels-between-projects/>

Results of the Explore

- Findings
 - Easy to use. Shell script is pretty straight forward
 - Easy to update details of repo and username
 - Automation is quickly done
 - Usage
 - Create an access Token in GitHub
 - Have shell script which does the automation on your Linux machine
 - Update the shell script with access token and username and repos.
 - Edit the labels as required in the source repository
 - Run shell script
- 

Backlog Review

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

- 16 New Issues:** Contains tasks such as "Additional monitoring / alerting - need something that identifies suspended nodes and resource availability on LF Jenkins infrastructure" and "Explore caching mechanism for Go Modules as an add on service within the LF infrastructure".
- 7 Release Backlog:** Lists items like "Look for a bot to replace 'recheck' Commit Message Enforcements" and "Migrate edgex-go to pipeline jobs".
- 5 In Progress:** Shows tasks such as "Bot Explore for Pull Requests, Issues, Commit Message Enforcements" and "Migrate device-grove-c to pipeline jobs".
- 0 QA/Code Review:** This column is currently empty.
- 88 Done:** Lists completed tasks including "Add Jenkinsfile for Geneva pipeline job" and "Update Jenkinsfile to use edgeXBuildCApp".

Each task card includes a title, a brief description, the assignee's name, and various status labels (e.g., phase 1, phase 2, phase 3, enhancement, spike, blocked, help wanted). The backlog is updated 19 hours ago.

Meeting Minutes

Discussion

Open Horizons Discussion

Jenkins Training - https://github.com/edgexfoundry/jenkins_pipeline_presentation

Questions regarding build automation requirements, artifacts, testing and validation. Joe may need some continued discussions with QA-Testing WG to ensure that the OH scripts are tested withing the standard testing framework.

DevOps has an issue that is in the backlog – Issue

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

Other Business

Need a new holding repo for automated release management - SPIKE

cd-management

Missing Owner on several repos

edgex-taf-common Owner: QA-Testing WG

app-service-configurable Owner: Applications WG

docker-edgex-mongo Owner: Core/Support WG

docker-edgex-consul Owner: Core/Support WG



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Past / Future Agenda Topics

WW03 – Continued Discussion Monitoring Solution (Nagios)	Eric Ball