

DevOps Working Group Meeting

Thursday, March 07, 2019

Attendees:

James Gregg, Andy, Trevor, Walt, Cloud, Felix, Lenny, Vishwas, Jim, Ernesto, Ramya, Lisa

Agenda

Time	Item	Who
	DevOps WG	
10 min	Work Review (GitHub Project)	James Gregg
10 min	Demo (Concourse CI Approach)	Jacob
10 min	Performance Testing	Andy Foster / Cloud Tsai
10 min	Opens / Help Needed	All

I. DevOps Work New / Old Review

- **TIG Stack - Meeting with LF Infrastructure Team – WIP**
Per update this week from Eric Ball, LF Infrastructure team has pulled the user story into their current sprint. Expected completion date end of next week.
- **Sigul – WIP**
Request passed to LF via a new JIRA ticket. (Eric Ball)
Need estimate on timeframes to completion for Edinburgh release April.
- **Device-opcua-c – BLOCKED**
Reason Blocked: Code not committed to repo. Andy to follow up on this one.
- **Application Functions SDK – moved out of holding and build automation – WIP**
- Eric Ball follow up with the team that owns VEXHOST re: #68377- WIP
- **Documentation** for Delhi – as reported by Michael Hall – new ticket submitted this morning
- **Blackbox Job hanging** – as reported by Cloud Tsai - new ticket submitted this morning

- Review Kanban Board

The screenshot shows a Kanban board for the repository 'edgexfoundry / ci-management'. The board is divided into four columns: 'TODO', 'In Progress', 'Test/QA/Verification/Review', and 'Done'. Each column contains several task cards with titles, issue numbers, and the person who opened them.

- TODO:**
 - Automate the tagging of the go library modules (go-mod-core) #306 opened by jamesgregg
 - Automate the tagging of the go library modules (go-mod-registry) #307 opened by jamesgregg
 - ON HOLD: Build automation needed for DevKit USB installer iso image #299 opened by jamesgregg
 - JJB needed for new Application Functions SDK US3440 Added by jamesgregg
 - ON HOLD: SPIKE: Static Code Analysis tooling for EdgeX
 - Explore available FOSS options for implementing static code analysis within the build process
 - Options to consider include but are not limited to Coverity, AquaSec, Microscanner
- In Progress:**
 - Land new infrastructure for TIG stack #298 opened by jamesgregg
 - Sigul (GPG signed artifacts) - needs to be done with an automated (faceless service account does the actual signing on the artifact) #304 opened by jamesgregg
 - Automate the tagging of the go library modules (go-mod-messaging) #305 opened by jamesgregg
 - Modify the blackbox test for telegraf stack and J Meter #303 opened by jamesgregg
 - SPIKE: How to handle secrets used by containers #296 opened by jamesgregg
- Test/QA/Verification/Review:** (Empty)
- Done:**
 - docker edgex mongo image #280 opened by JPWKU
 - Clean Docker Hub of Image Name Collisions #195 opened by tconn23
 - Allow subset of developers to trigger a Jenkins job manually #295 opened by jamesgregg
 - JJB changes to convert device-random-go to use go modules #302 opened by jamesgregg
 - Update go lang 1.11-ALPINE #310 opened by jamesgregg
 - JJB changes to convert device-mqtt-go to use go modules #300 opened by jamesgregg
 - JJB changes to convert device-modbus-go to use go modules #301 opened by jamesgregg
 - Need to modify edgex-go jobs #297 opened by jamesgregg

- Help Desk Tickets

Open tickets

My open tickets

#	Subject	Status	Requestor	Owner
66848	SonarQube for EdgeXFoundry builds	stalled	Gregg, James R <james.r.gregg@intel.com>	eball (Eric Ball)
68377	failed job related to timeout waiting for SSH	open	Gregg, James R <james.r.gregg@intel.com>	eball (Eric Ball)
69422	need to extend sigul to include additional functionality	open	Gregg, James R <james.r.gregg@intel.com>	eball (Eric Ball)
69529	App-Functions-SDK-Go Needs Required Jobs	open	<trevor.conn@dell.com>	eball (Eric Ball)
69562	please add Cloud to EdgeX Jenkins Sandbox	open	Gregg, James R <james.r.gregg@intel.com>	valderrv (Vanessa Valderr)
69600	jenkins docs job fails for /edgex-go-docs-delhi-stage-docs iftools: command not found	new	Gregg, James R <james.r.gregg@intel.com>	Nobody in particular
69601	FW: Please help kill the stuck job on Jenkins	new	Gregg, James R <james.r.gregg@intel.com>	Nobody in particular

II. Release Versioning Go Modules

The Gradle Approach (Ernesto) – worked on it and decided it was too much of a hack – shelved it and looking into other options. Also identified a go tool called Go Releaser – maybe for future.

The Concourse Approach (Jacob)

Demo / Discussion of the workflow

Next steps: Iterate using this approach to document the developer / release manager workflow using the tooling Jacob has built.

Focus on the go modules since it would have greater volatility than the services themselves.

Use a demo repo for a first sample test and make a decision if this is the right approach to use for perhaps Fuji release.

Nice job Jacob on the demo and leading the discussion around the proposed approach.

Reference: [Versioning Document](#)

III. Performance Testing

Andy / Cloud: share the requirements for the build automation of the performance tests. The logical architecture diagram as depicted will not work as illustrated as the cloud hosted TIG infrastructure would not allow test execution from the cloud back into the EdgeX Jenkins infrastructure.

IV. Opens

Cloud will deliver virtual device service next week – help needed to build image for device-virtual

Future Agenda Items

WW10	Andy – codecov.io findings
WW18	Athens Project – proxy server for go package dependencies
	Community Involvement