

# DevOps Working Group Meeting

Thursday, February 21, 2019

## Attendees:

James Gregg, Andy Foster, Michael Hall, Bruce Hauang, Eric Ball, Felix Ting, Jacob Blain Christen, Trevor Conn, Vishwas, Walt Morten, Ernesto, Lisa, Jim White, Cloud Tsai

## Agenda

Time	Item	Who
	<b>DevOps WG</b>	
10 min	Work Review (GitHub Project)	James Gregg
10 min	LTS Discussion (continued – re: support)	Jim White
10 min	Release Versioning With Go Modules	Trevor
10 min	Codecov.io Findings	Andy
	Opens / Help Needed	All

### I. DevOps Work New / Old Review

- **Setup Integration Blackbox testing in Sandbox to prepare for new Security Services – DONE**
- **Device-Modbus-go – Converted to go modules (Ernesto / Toby) – DONE**  
New BKM related to go.sum file

Reference: <https://github.com/golang/go/wiki/Modules#should-i-commit-my-gosum-file-as-well-as-my-gomod-file>

Current version of Go 1.11.2 – Can we update to 1.11.5 now? – Yes if we have bandwidth

- **New Docker base build image (Lisa) - gcc-base Docker image – DONE**
- **TIG Stack - Meeting with LF Infrastructure Team – WIP**  
Still some risk – but change of direction as of yesterday with LF agreeing to setup dedicated EdgeX TIG stack instead of using existing ELK stack. Timelines unknown and potentially still at risk. Next steps are to review the CloudFormation / telemetry stack code with LF Infrastructure team which was provided 1/20/19.
- **Device-opcua-c – BLOCKED**  
Reason Blocked: Code not committed to repo. Andy to follow up on this one.
- **New holding repo for edgex-helm chart – DONE**  
Need to complete some SDL actions before Intel can upload to holding repo.

- **New committers added to ci-management** (Jacob and Eric Wright) – **DONE**  
Was unable to assign Issue to Jacob  
Will need to add to agenda for formal communication to the TSC next week.
- **Jenkins change – allow subset of developers to trigger job manually** – **DONE**  
Still need to close on the group membership / follow up with JP

- **Help Desk Tickets**

^ My open tickets

#	Subject	Status
66848	SonarQube for EdgeXFoundry builds	open
66850	TIG stack needed for EdgeX performance monitoring / dash boarding	open
68377	failed job related to timeout waiting for SSH	new

## II. LTS Discussion

(Jim White)

Draft Proposal shared and feedback incorporated – See [LTS DRAFT PROPOSAL \(version 4\)](#)

Continue the discussion re: LTS support clause as written in the 3<sup>rd</sup> bullet

*Subject to legal restrictions, make available any supporting 3<sup>rd</sup>-party component used by EdgeX as part of the release. Examples include MongoDB, Consul, Kong, Vault, any 3<sup>rd</sup>-party library, etc. Where possible, EdgeX will provide archived binaries of the 3<sup>rd</sup>-party components (MongoDB, Redis, Consul, Kong, Vault, etc.) used with LTS versions of EdgeX. Where possible, EdgeX will also keep an archive snapshot of 3<sup>rd</sup>-party source code used in the creation of LTS versions of EdgeX (ex: code in the vendor directory of Go Lang repositories).*

Logistics: Where do the artifacts get stored if we keep this clause in the plan?

Need to be able to recreate the build vs. Reference the go.sum for all dependencies.

**Decision:** Jim will strike the support clause and bring to TSC for review / vote.

Jacob mentions the [Athens project](#) which is a server for Go Modules that acts similar to a NPM Enterprise server and acts like a proxy or pull through cache server of go dependencies.

Jim asked that this be considered for a Future DevOps Roadmap discussion – Fuji

This might be a good topic to discuss in the working sessions planned for the upcoming F2F in Seoul.

We would need to determine requirements for any additional LF infrastructure needed to support.

## III. Release Versioning Go Modules

(Trevor Conn)

Quick review of the [Versioning Document](#) that Trevor and Jim wrote. Trevor encourages everyone to review the document and plan for continued discussion in the next meeting.

Action Request of the Working Group: Please review the [Versioning Document](#)

## IV. Codecov.io / SonarQube Discussion

(Andy Foster / IoTech)

Code Coverage / Code Quality tooling. Additional functionality considered with use of the tool for PR reviews. Integration looks easy. Will investigate further on question re: breaking builds based on defined % code coverage. At this point, not ready to make final decision but looks promising.

## V. Opens

### Future Agenda Items

WW09	Trevor - Review the versioning document
WW09	Andy – codecov.io findings
WW18	<a href="#">Athens Project</a> – proxy server for go package dependencies