EdgeX Foundry

DevOps WG Meeting 07/23/18

23 July 2018 / 9:00 AM CT

ATTENDEES

Jeremy Phelps, Trevor Conn, Andrew Foster, Jim White, Dylan Hantula, Steve Osselton, Tingyu Zeng.

AGENDA

Last Meeting Follow-up

1. We covered the current state.

2. Branch Cut Delhi on Oct 8th, formal release pushed out to November. This gives us some cushion for issues and travel to F2F. (TSC)

3. Trevor/Jeremy exploring different black-box testing scenarios. Move into code-repos possibly? (PR merge on unit test pass and build -> black box tests -> publish results -> failure -> issue -> PR author).

4. Decision to not implement GitHub CODEOWNERS at this time.

5. Checklist for onboarding new projects after approval from TSC to adopt. ONAP uses this template https://wiki.onap.org/pages/viewpage.action?pageId=36963277. I think it would be useful to have something similar. Thoughts?

6. Jeremy to port pom.xml enhancements for java services to master (TODO)

7. Separation of package and code build. This is already done in separate jobs for the java services. Work is being done on core-config-seed-go, egdex-go, and security-api-gateway to do this same (IN PROGRESS).

8. LF infra ARM hardware still in the works.

9. Strong support for requiring unit and integration tests for new features and bugfixes. (TODO)

10. Edgex-go and security-api-gateway do not have aarch64 Dockerfiles defined.

11. Publish black box tests result, (IOTech folks use JUNIT on their internal Jenkins). (TODO)

12. Need job metrics on test job duration (possibly helpful to have this for all jobs.) (TODO)

13. Small discussion on Release Manager Role.

New Business

1. Manage go deps across branches.
    a. We have some internal dependencies. Security-api-gateway has a dependency on edgex-go for example. Currently in security-api-gateway california branch, it pulls in edgex-go from master. Is this what we want? NO. (Trevor)
2. Building java services in snaps.
    a. Tony is running into some issues building java services in snaps. Currently this is because the poms in the branch reference SNAPSHOTS in the deps. This is the correct way to structure the poms for development. PR's that are merged generate a SNAPSHOT that referenced SNAPSHOT deps. Daily staging generate a regularly version artifact that referenced regularly version artifacts from their respective staging repo. We are missing some SNAPSHOT artifacts from some java services which is tripping up the snap builds.
3. 0.6.1 release of California
    a. Some bugs were found in rules-engine and fixes have been made in california. In addition we made some changes to the Dockerfiles in all of the java services. As soon as we get blackbox and snap passing we will need to create a 0.6.1 release.
    b. Snap builds are still failing on CI and locally.
    c. Black box tests are still failing on CI.
    d. End of next week hopefully.
4. Create repos for device-sdk-(go|c) (TODO)

      a. Steve and Tony, if you could send over the build script for each of these as well and any tools required it will speed up the process.
5. Edgex-UI ...create repo (TODO)
6. Jeremy create new repo template and tag Jim. (TODO)
7. Port java service Docker file refactors to master branch (only makes sense to do if we are going to release java services in Delhi).
8. Deprecation and archiving of java services. POST DELHI
9. Make sure all generated containers have the git-sha and VERSION interpolated into the build as a LABEL. This is currently done on edgex-go and core-config-seed-go containers. Need to do in java service repos and security* repos. (JEREMY)
10. Publish daily docker images to Docker Hub. (IN PROGRESS) (Will follow up with Jim) (Look at how it affects black box tests)
11. Discuss regularly releasing artifacts to release repos. This is done very regularly across projects without fanfare. A named release is then largely administrative in nature and points to a set of versions. We do in fact need to do this; I received some guidance from Thanh Ha that our staging job artifacts should only have deps on RELEASED artifacts. I'm talking with him today in more detail about this.
12. Regarding point 9. This will mean that our individual service versions will drift from each other… this is totally ok.

NOTES

1. ...

ACTION ITEMS

1. ...

NEXT WEEK'S AGENDA

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