LF NETWORKING
LFN Developer & Testing Forum
Experiences Performing an Interim Agile Release

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Proposal: Agility in Jakarta Release
Background

• The Jakarta release schedule looks like it follows a waterfall model and may lead to the wrong conclusions from ONAP stakeholders and the industry at large
  – It may give the impression that nothing is available until May 2022
  – In practice, code can be made available from the projects much earlier following the ONAP WoW

• The purpose of pointing that out in the official release schedule is
  – Advertise ONAP agility
  – Promote early use of code by stakeholders
  – Encourage projects to make early/frequent code drops to support OOM

• Suggestion is to keep the Jakarta schedule but to complement with an agile view
# Jakarta Release Schedule

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Policy Framework Interim Release
Interim Releases in the Policy Framework

- Policy Framework has 2-week sprints
- Interim release to be executed for every second sprint, approximately every 4 weeks
- One interim release done so far
Interim Releases in the Policy Framework

- Policy Framework has 2-week sprints
- Interim release to be executed for every second sprint, approximately every 4 weeks
- One interim release done so far, in December
- Next interim release will be after the next sprint, in mid January
The Good

- We were able to make some changes available to our stakeholders early
  - Stakeholders are aware it is an interim release
- We found configuration problems in our OOM helm charts that would not have found until M4 otherwise
- Observations
  - Doing an interim release is exactly the same as doing a normal ONAP full release
  - There are no blockers or barriers in the tool chains for doing an interim release
  - Artifacts and images are released as normal
  - Minimal impact to developers, suspension of merges for 1-2 days
  - OOM is updated just as normal
  - OOM is not on the critical path for interim releases
The Bad

- Doing an interim release is exactly the same as doing a normal ONAP full release
- The process is tedious and time consuming
  - Partly due to the structure of the Policy Framework Framework, for example 13 repos with dependencies meaning >50 commits
  - Partly due to the ONAP toolchain
  - Partly due to OOM
- No Integration phase
- No “Feature/Integration/Smoke/Pairwise” testing
  - These tests are run manually, at least in the Policy Framework
  - Too much work to run for each interim release
  - Much more automation of testing needed, with automation of (much of the) testing we do at
- Full Automation of the current process is difficult
Suggestions

• Automate the release process as much as possible to remove some of the drudgery
  – We have made a start
  – See the Policy Framework Release Scripts in the ONAP documentation
• Make our repos and code more “interim release” friendly
• Streamline the release process more
  – For, why do we need two separate commits for release of Maven artifacts and release of images?
  – PTLs, OOM, and LF toolchain support
• Automate our “feature” testing
Discussion