Virtual LFN Developer & Testing Forum

June 22 - 25, 2020
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ONAP Frankfurt Retrospective
› Frankfurt schedule changes
› Use cases and requirements
› Jira issues
› Observations
› Recommendations
› Community input
› Review of El Alto high priority issues
## Frankfurt Schedule Changes

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<tr>
<th></th>
<th>r6</th>
<th>r7</th>
<th>r8</th>
<th>r9</th>
<th>r10</th>
<th>r11</th>
<th># of changes</th>
<th>time delta (days)</th>
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<td>23-Apr</td>
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<td>4-Jun</td>
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Note: need better logging of schedule changes to facilitate retrospective and make release process improvements
Jan 9

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## Use Cases and Requirements

### May 20

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Use Cases and Requirements

› Changes from Jan 9 to May 20
  › 9 use cases or requirements de-scoped or moved to PoC
  › 15% decrease in score (305 ➔ 258)
Jira Issues Assigned to Frankfurt

- Excludes Projects: CLI, Holmes, Logging, OJSI, ARCH, etc.
- Excludes issues moved out of Frankfurt to Guilin, etc.
- Excludes release management (relman) issues

Chart showing the trend of total issue count and bug count from December 9 to June 9, with key points M4, RC0, RC1, and RC2.
4,010 issues assigned to Frankfurt as of Dec 9, 2019
1,159 issues (29%) moved out of Frankfurt by June 11, 2020
Observations

- Technical debt excepted at M4, RC0, and RC1 piles up at RC2.
  - “Pay me now, or pay me later”
- RC integration testing initially hampered by low E2E testing completion and a significant level of open Jira issues
  - RC0 accepted with 400+ bugs (1200+ issues, overall) and <50% E2E testing completed
- Integration team is requesting that projects submit containers earlier, but if E2E testing completion is low, and there are a large number of outstanding Jira issues, is this realistic?
- Cert expiration missed, despite release management checks by projects
  - Integration team developing automated test, but this seems dependent on having an accurate listing of all certs.
Recommendations

- Limit use case and requirements per release
  - Use t-shirt scoring system as a guide.
  - Set a maximum level, based on availability of resources (how about 250?).
  - TSC should evaluate proposed requirements carefully and reject vaguely worded, poorly documented, not-actionable, or unverifiable proposals.

- Urge PTLs to prioritize Jira issues assigned to a release.
  - i.e., don’t use release assignment as backlog
  - Review issues and limit release assignment to highest priority issues, as well as capacity to fix

- Integration team is moving in the right direction to automate verification of expiration status
  - Do we also need a list and process to document all existing certs?
What issues did you observe during the Frankfurt that could be improved?
Integration tests in target deployments using OOM. From Morgan:

- Tests have been moved to gating & daily CI chains
  - hv-ves
  - pnf-registrate
  - 5gbulkpm

- for F, we also offered the possibility to SO ONAP project to perform Gating at the project level - on a patchset submission in SO repo, we were able to build the docker, deploy an ONAP, perform test and give feedback

- For G, a new chain will be proposed to clamp.

Improve robot healthcheck across projects. From Morgan:

- few projects did the effort to improve significantly their healthcheck (policy, nbi, ..)
- but the level of quality is still very different from one project to another
- resources are lacking for some projects
- the projects with GUI do not provide GUI tests for instance (hence the formal requirement for G)

More projects added to CI pipeline and more project-specific testing. From Morgan:

- we added a full set of security tests in Frankfurt (rooted pods, exposed http port,..)
- + the new smoke tests indicated above
Review of Progress on High Priority Items from the El Alto Release

› Other items:
  › ”Clean up” relman Jira issues (clarify, be more concise)
  › Customize ‘relman’ issues for some projects
  › Track schedule changes
Thank You!