

 LF NETWORKING

Virtual LFN Developer & Testing Forum

June 22 - 25, 2020

Anti-Trust Policy Notice

- › Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

- › Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at <http://www.linuxfoundation.org/antitrustpolicy>. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrove of the firm of Gesmer Updegrove LLP, which provides legal counsel to the Linux Foundation.

ONAP Frankfurt Retrospective

Agenda

- › Frankfurt schedule changes
- › Use cases and requirements
- › Jira issues
- › Observations
- › Recommendations
- › Community input
- › Review of El Alto high priority issues

Frankfurt Schedule Changes

| | r6 | r7 | r8 | r9 | r10 | r11 | | | | | # of changes | time delta (days) |
|----------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--|--------------|-------------------|
| M1 | 17-Nov | | | | | | | | | | 0 | |
| M2/3 | 21-Jan | | | | | | | | | | 0 | |
| M4 | 5-Mar | | | | | | | | | | 0 | |
| RC0 | 26-Mar | 2-Apr | 9-Apr | 16-Apr | | | | | | | 3 | 21 |
| RC1 | 9-Apr | 16-Apr | 23-Apr | 30-Apr | 7-May | 8-May | | | | | 5 | 29 |
| RC2 | 23-Apr | 30-Apr | 7-May | 14-May | 21-May | 26-May | 4-Jun | 8-Jun | 11-Jun | | 8 | 49 |
| SIGN OFF | 7-May | 14-May | 21-May | 28-May | 4-Jun | 4-Jun | 4-Jun | 8-Jun | 11-Jun | | 8 | 35 |

Note: need better logging of schedule changes to facilitate retrospective and make release process improvements

Use Cases and Requirements

Jan 9

| T-Shirt Size | QTY | Points | Total Score |
|--------------|-----|--------|-------------|
| XS | 1 | 1 | 1 |
| S | 12 | 3 | 36 |
| M | 30 | 5 | 150 |
| L | 4 | 7 | 28 |
| XL | 10 | 9 | 90 |
| TOTAL | | | 305 |

Use Cases and Requirements

May 20

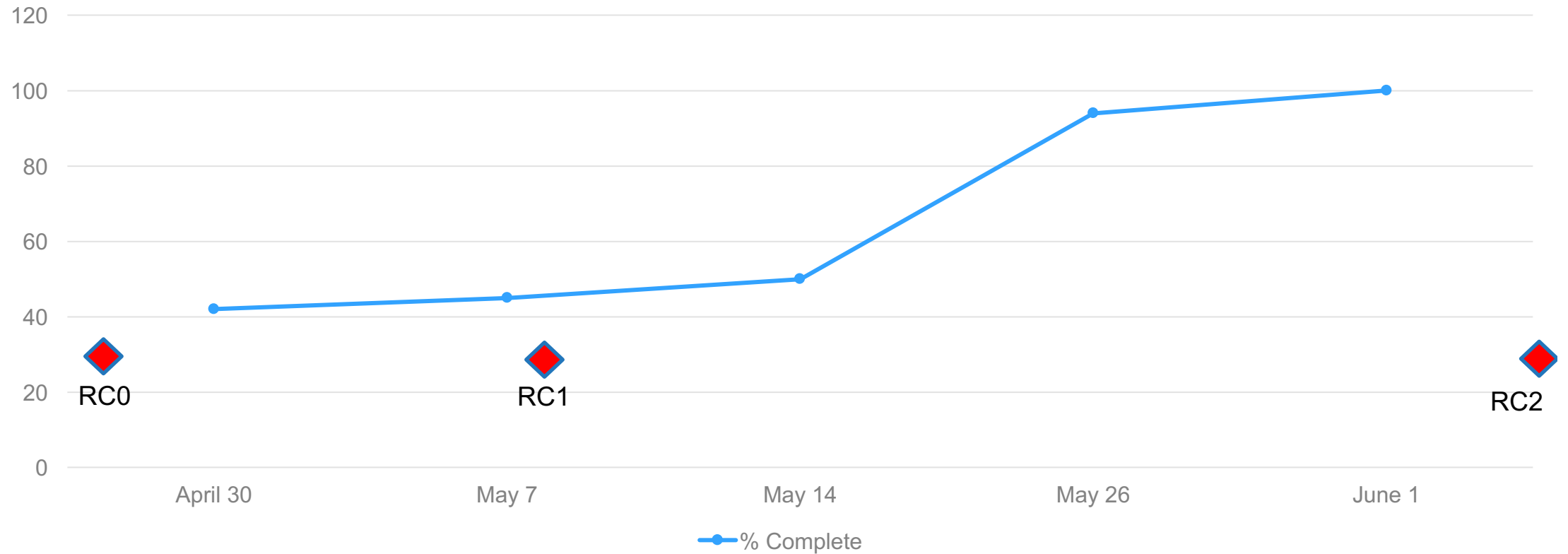
| T-Shirt Size | QTY | Points | Total Score |
|--------------|-----|--------|-------------|
| XS | 1 | 1 | 1 |
| S | 9 | 3 | 27 |
| M | 26 | 5 | 130 |
| L | 4 | 7 | 28 |
| XL | 8 | 9 | 72 |
| TOTAL | | | 258 |

Use Cases and Requirements

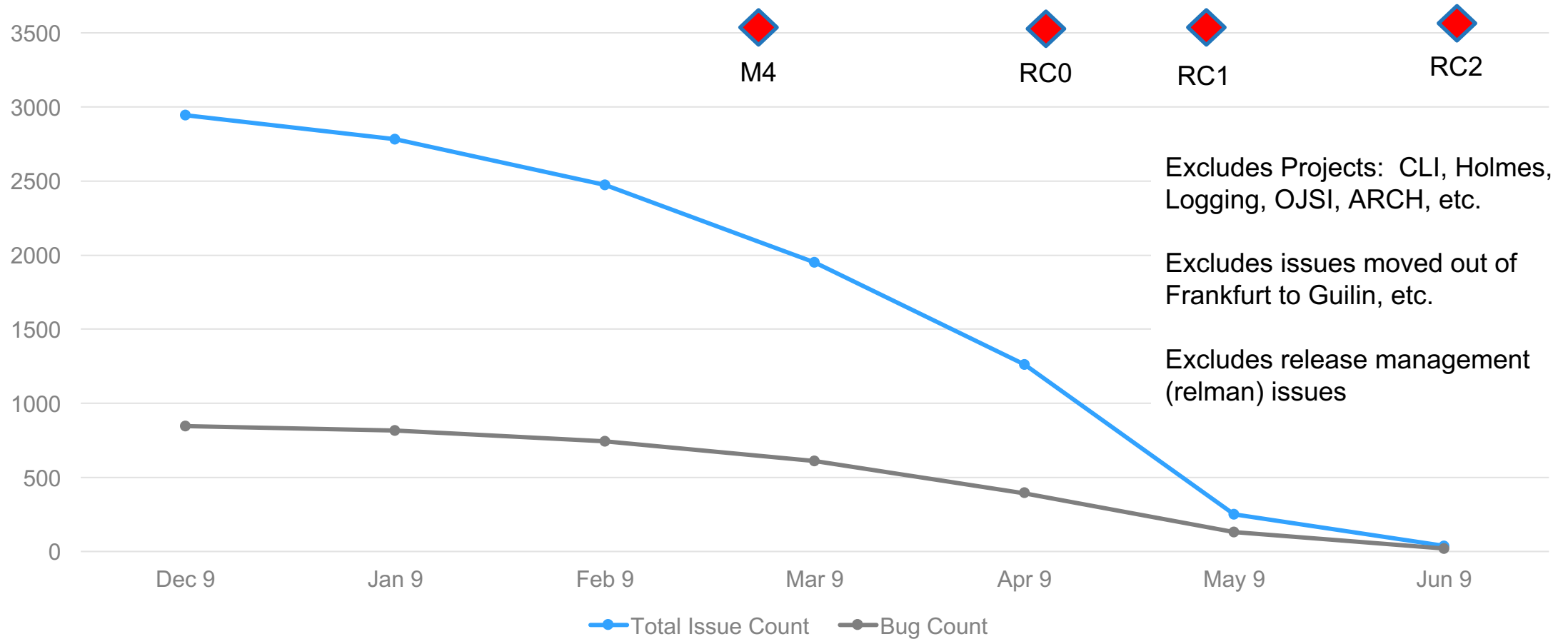
- › Changes from Jan 9 to May 20
 - › 9 use cases or requirements de-scoped or moved to PoC
 - › 15% decrease in score (305 → 258)

Use Cases and Requirements

E2E Testing Completion Status



Jira Issues Assigned to Frankfurt



Jira Issues Assigned to Frankfurt

- > 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?

Community Input

- › What issues did you observe during the Frankfurt that could be improved?

Review of Progress on High Priority Items from the El Alto Release

- › 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

OLFNNETWORKING

Virtual Developer & Testing Forum

June 22 - 25, 2020

Thank You!

OLFNNETWORKING