DELIVERING FOREMAN

Getting code from developers to users

$ WHOAMI

- Ewoud Kohl van Wijngaarden
- Long time Foreman developer
- On Red Hat Satellite's platform team
- https://github.com/ekohl

MAIN TOPICS

- Development flow
- Release team
- Branching
- Releasing

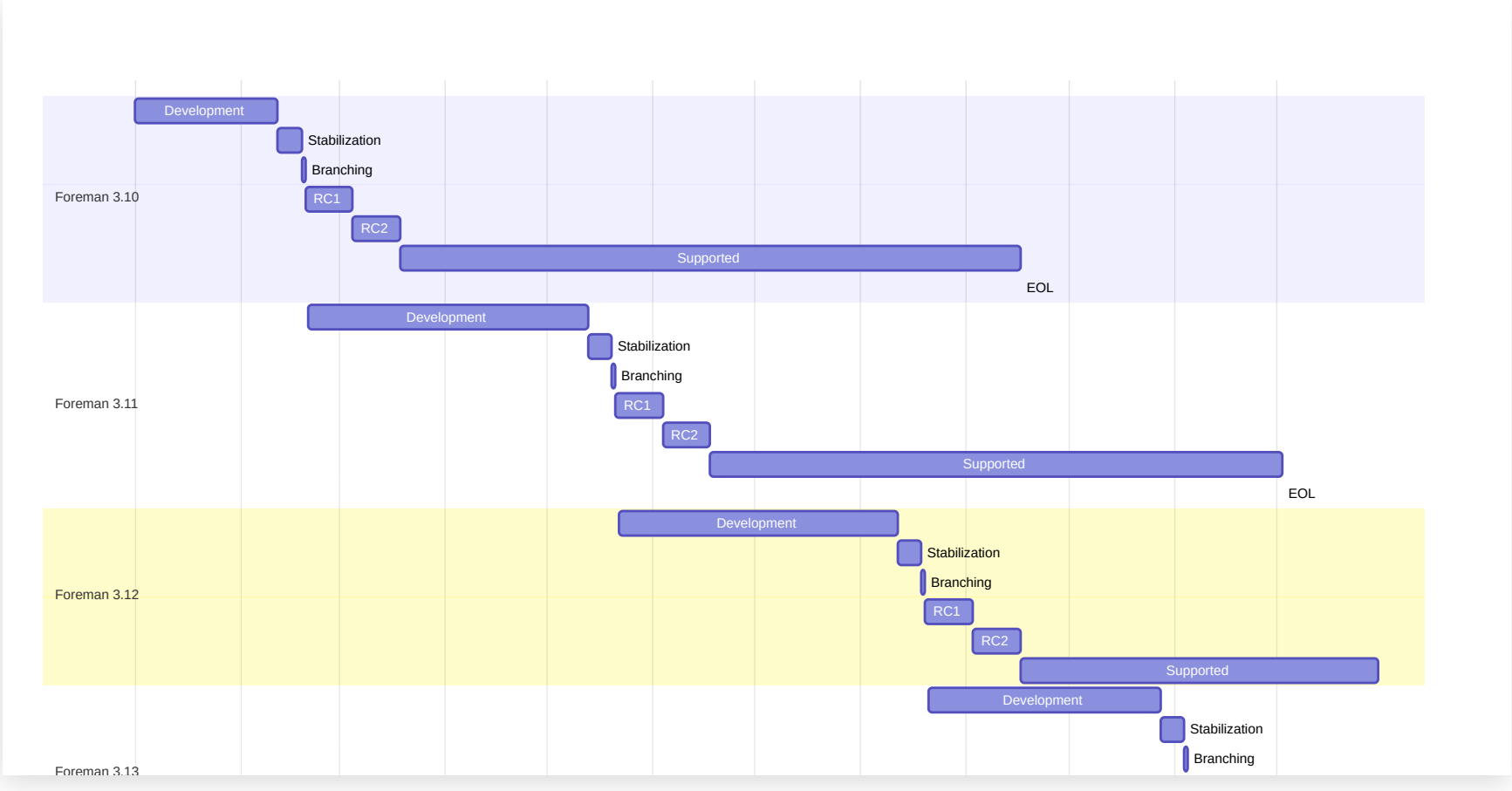
WHAT IS FOREMAN?

TERMINOLOGY

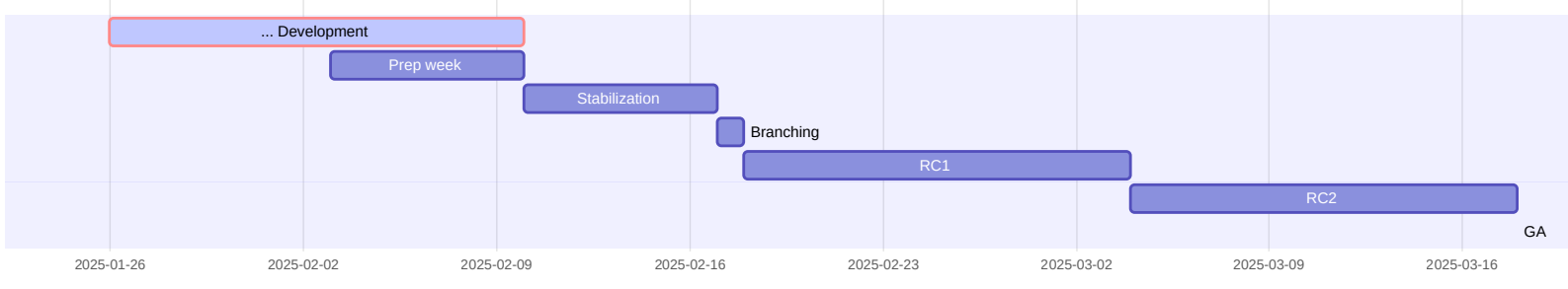
RC : Release Candidate

GA : General Availability

FOREMAN IN 2024



FOREMAN П


... Development
Prep week
Stabilization
Branching
RC1
RC2
GA
2025-01-26
2025-02-02
2025-02-09
2025-02-16
2025-02-23
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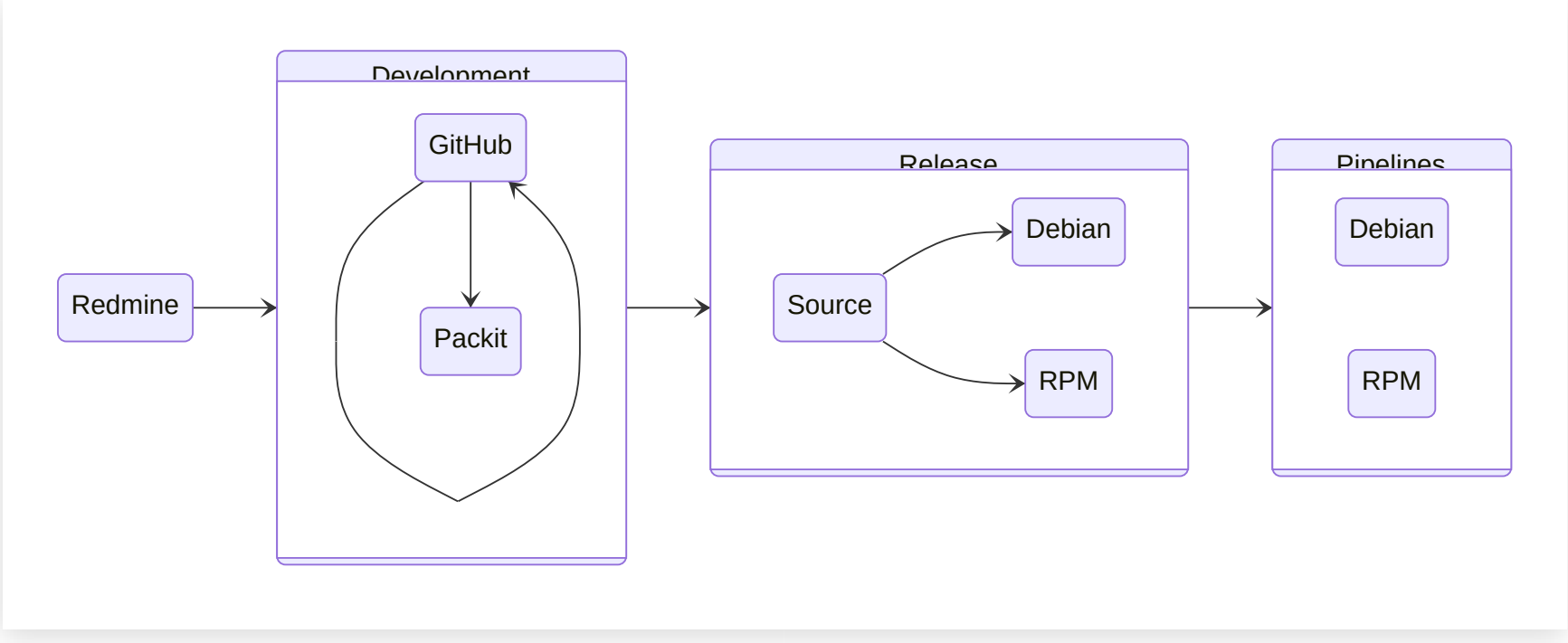
2025-03-09
2025-03-16

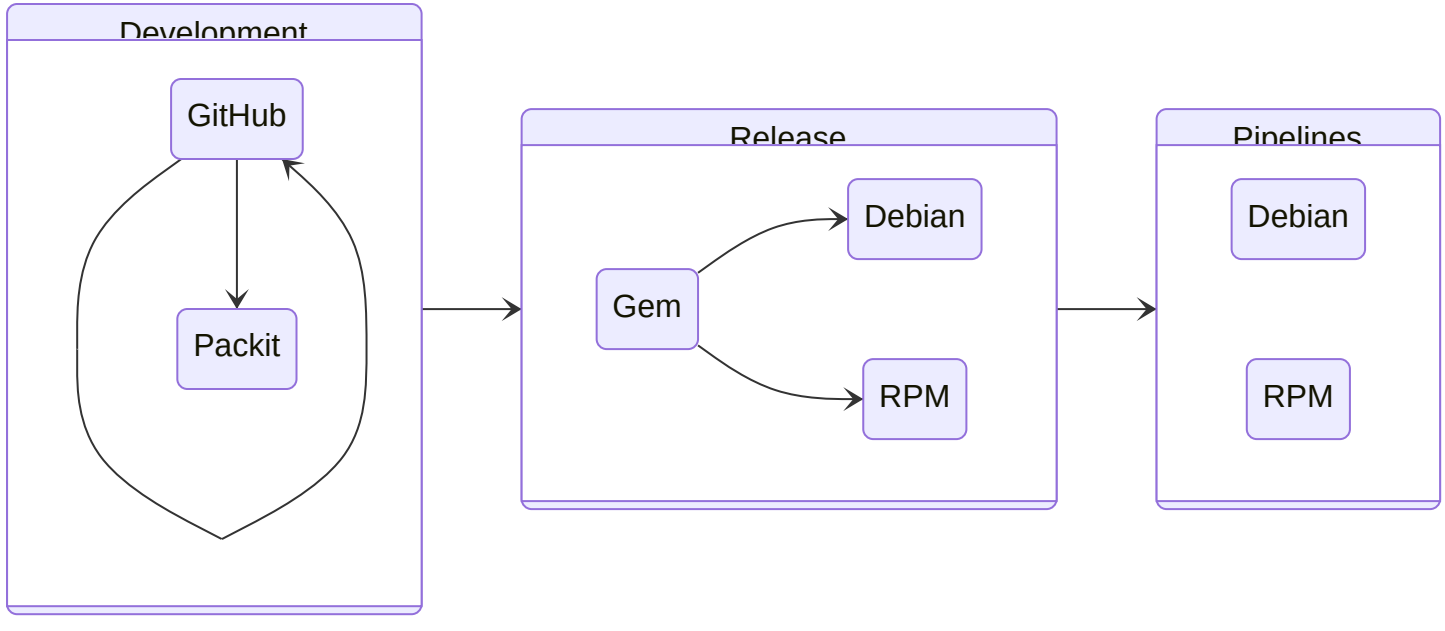
DEVELOPERS

Core projects or plugins

CORE PROJECTS



PLUGINS


Development
GitHub
Packit
Release
Gem
Debian
RPM
Pipelines
Debian
RPM

RELEASE TEAM

- Who
- Communication
- Procedures
- Schedules
- github.com/theforeman/theforeman-rel-eng

COMMUNICATION

community.theforeman.org/c/development/releases/20

PROCEDURES

- Easy to repeat
- Ideally a list of scripts to call
- Iterate to improve every time
- Checklists
- Dynamic using ERB

CHECKLISTS

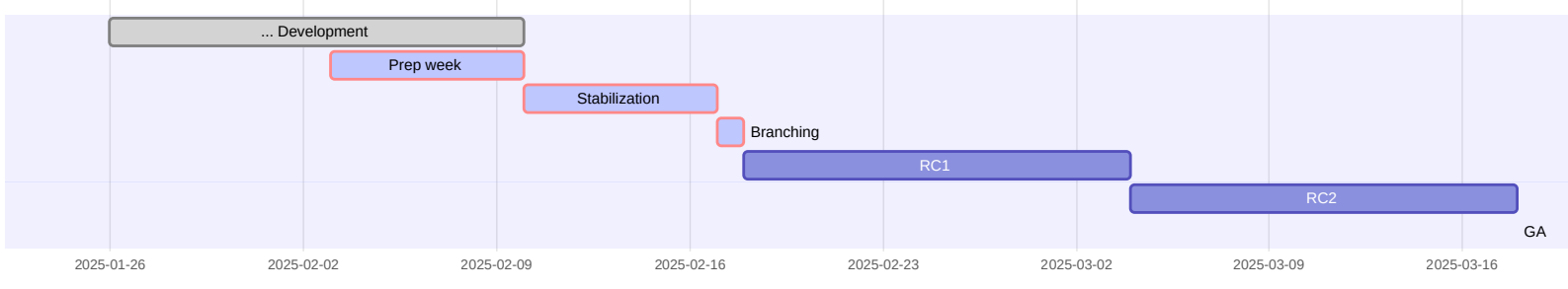
The Checklist Manifesto - Atul Gawande

atulgawande.com/book/the-checklist-manifesto/

USING ERB

```
<% if is_first_rc -%>
- [ ] Create a feedback post on Discourse
<% end -%>
```

BRANCHING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BRANCH.ERB

- Roles
- Prep week
- Stabilization week
- Branching
- Preparing build systems
- Other systems

ColeHiggins2 32 Nov 2024

- [x] Make this post a wiki (help)

Roles

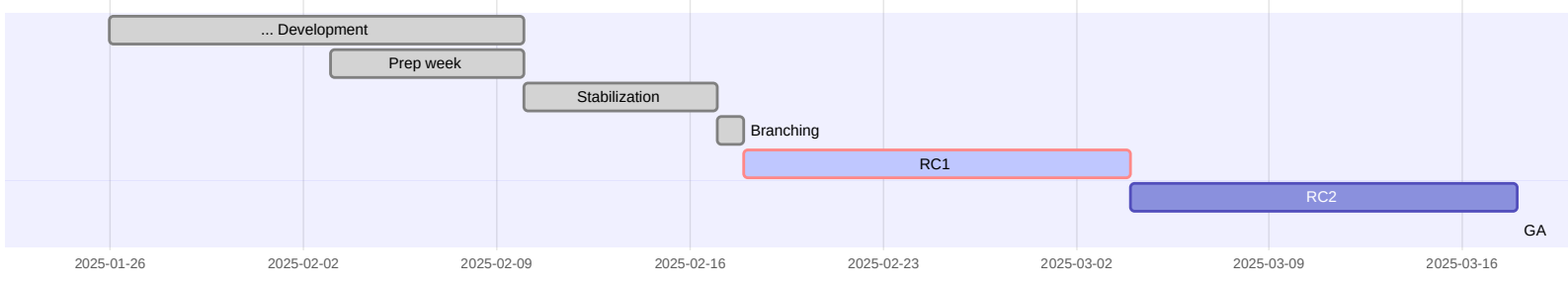
- Release Owner: @ColeHiggins2
- Release Engineer: @pcreech
- Installer Maintainer: @ekohl

Prep Week: 2024-10-22 to 2024-10-26

Installer Maintainer

- Make releases of installer modules
  - Tier 0 (no dependencies)
    - [x] candlepin
    - [x] certs
    - [x] dhcp
    - [x] dns
    - [x] foreman
    - [x] pulpcore
    - [x] puppet
    - [x] puppetserver_foreman
    - [x] tftp
  - Tier 1 (Dependencies on Tier 0)
    - [x] foreman_proxy
  - Tier 2 (Dependencies on Tier 1)
    - [x] foreman_proxy_content
    - [x] katello

RELEASE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RELEASE.ERB

- Roles
- Preparing code
- Tagging
- Packaging
- Manual updates (docs)
- Post release work

ColeHiggins2 17 Nov 2024

- [ ] Make this post a wiki (help)

Roles

- Release Owner: @ColeHiggins2
- Release Engineer: @pcreech

Preparing code: 2024-11-05

Release Owner

- [ ] Remove/change target version field for any open Redmine tickets assigned to the release still (next minor, unset it or reject)
- [ ] Ensure that code in git matches issues fixed in 3.13.0-rc1 in redmine. issues can be used to generate a comparison between the two.
- [ ] Check for open pull requests in Foreman, smart-proxy, foreman-installer and foreman-selinux

Tagging a release: 2024-11-05

Release Owner

- [ ] Make sure test_3_13_stable and smart-proxy-3.13-stable-test are green using verify_green_jobs
- [ ] Run `make -C locale tx-update` in foreman 3.13-stable
- Tag the projects
  - [ ] Create tags using tag_project
  - [ ] Push tags using tag_push
- [ ] Run the Jenkins Tarballs Release using release_tarballs to create tarballs

ColeHiggins2 Nov 2024

Foreman 3.13.0-rc1 is now available for testing! See the release notes below for more information!

Please help by testing and getting it release-ready, and let us know if you hit any issue when upgrading or installing the release candidate either here or on our issue tracker.

- Installation quick start
- Upgrade instructions 1
- Release notes 18

This is also a good time to improve translations for existing locales to ensure full coverage. Help out at: Foreman localization. See as well.

Packages may be found in the 3.13 directories on both deb.theforeman.org 1 and yum.theforeman.org, and tarballs are on downloads.theforeman.org 1.

The GPG key used for signing RPMs and tarballs has the following fingerprint:
1204513861C597FE74FA7009738B00A28CBDB523

The GPG key used for signing DEBs has the following fingerprint:
5B7C3E5A735BCB4D615829DC0BDDA991FD7AAC8A.

Reply

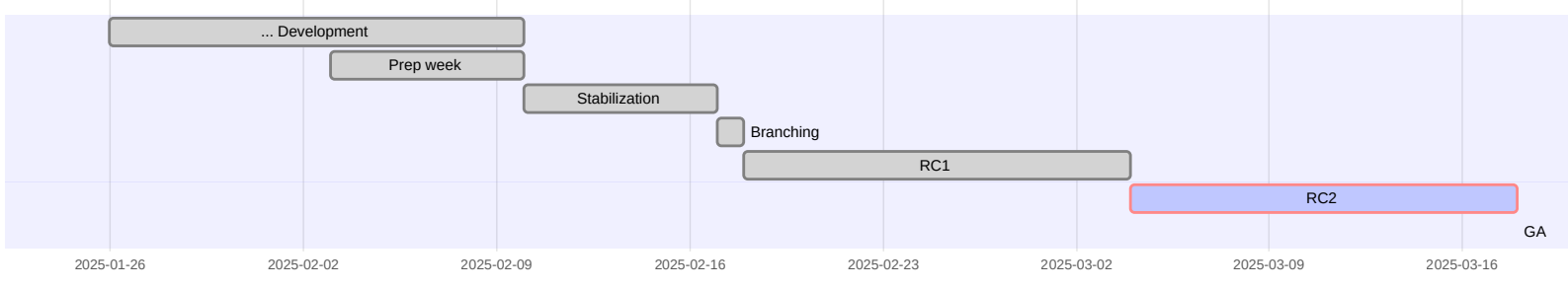
Foreman 3.13 release candidate feedback 1

Release Team Meeting 2024-11-18

Release Team Meeting 2024-11-20

And now we wait

RC2 & GA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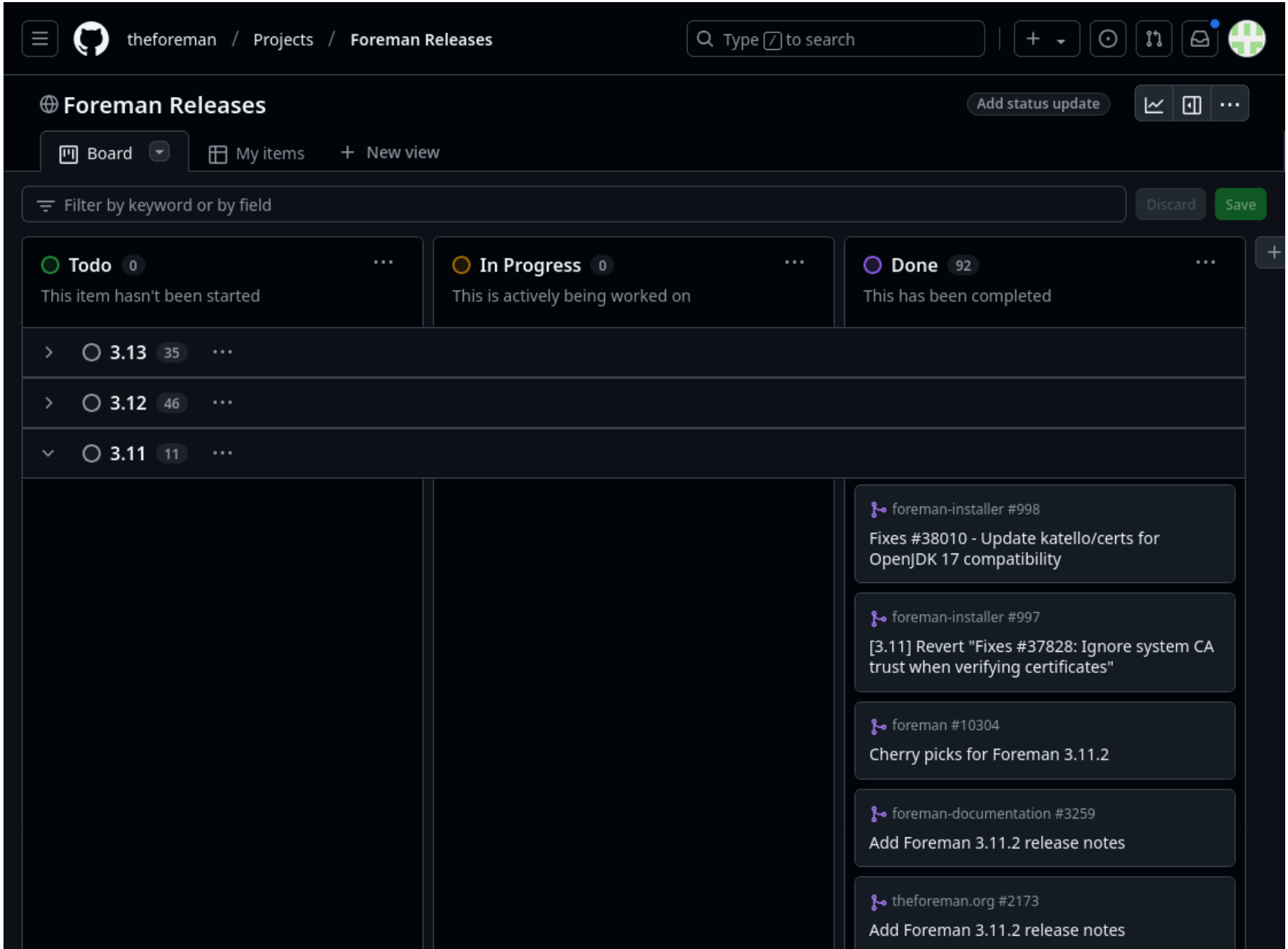
STABLE RELEASES

- Monitor the incoming bug reports
- Releases as needed

CHECKLISTS AREN'T ENOUGH?


theforeman / Projects / Foreman Releases
Type / to search
Foreman Releases
Add status update
Board
My items
New view
Filter by keyword or by field
Discard
Save
Todo 0
This item hasn't been started
In Progress 0
This is actively being worked on
Done 92
This has been completed
3.13 35
3.12 46
3.11 11
foreman-installer #998
Fixes #38010 - Update katello/certs for OpenJDK 17 compatibility
foreman-installer #997
[3.11] Revert "Fixes #37828: Ignore system CA trust when verifying certificates"
foreman #10304
Cherry picks for Foreman 3.11.2
foreman-documentation #3259
Add Foreman 3.11.2 release notes
theforeman.org #2173
Add Foreman 3.11.2 release notes

IN CONCLUSION

- Time based release schedules
- Checklists
- Communicate transparently using Discourse

QUESTIONS?

THANKS

But wait, there's more

Coupled releases?

Can we make this easier for the community?