



Let's integrate your project into Red Hat's ecosystem

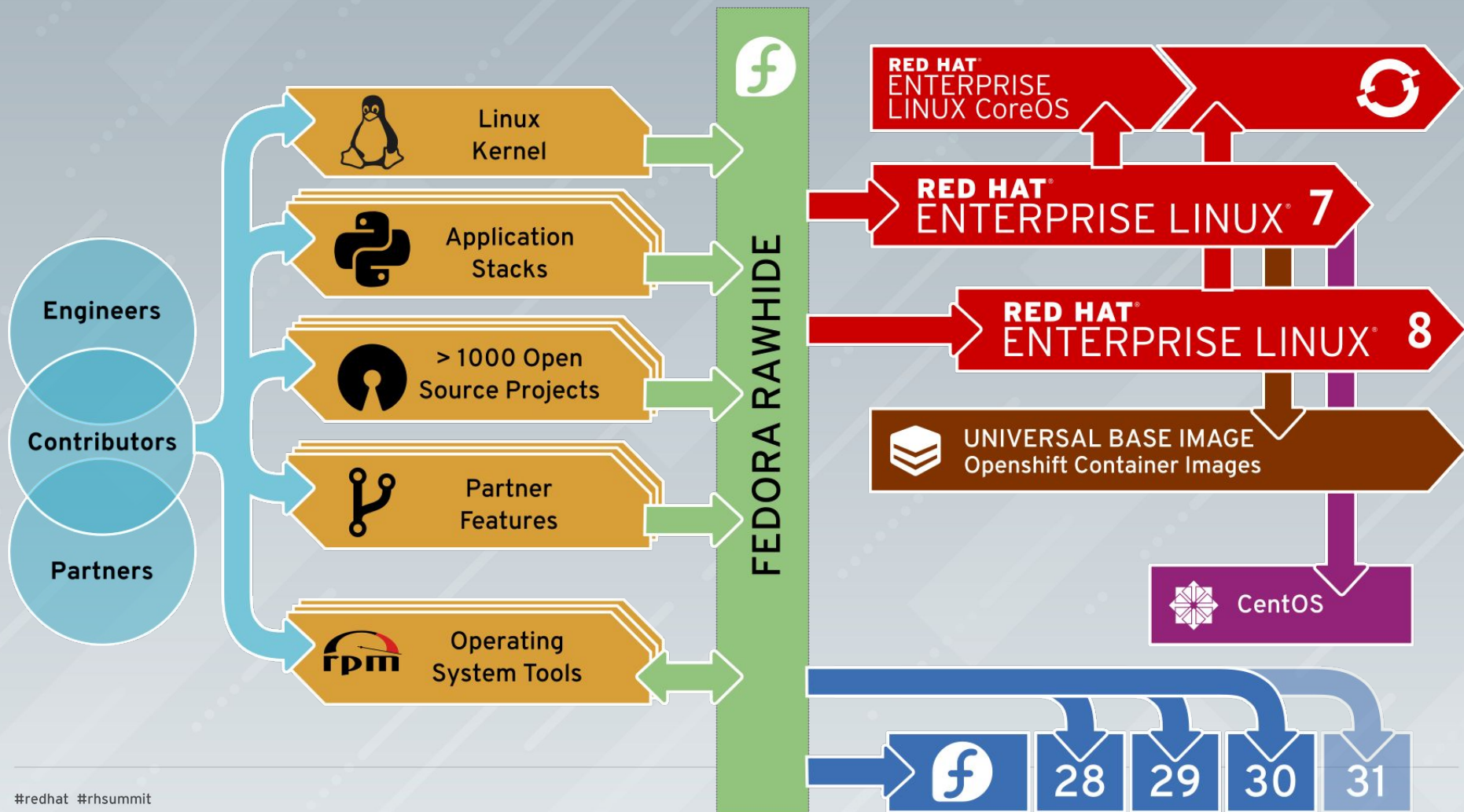
RHEL, Fedora, open source, partners and contributors

Stef Walter

Tomas Tomecek

Introduction

- Stef Walter
 - Senior Manager
- Tomas Tomecek
 - Principal Software Engineer



Why?

- Our partner and upstream projects are integrated together in a Linux distro.
- Neither partners nor upstream have immediate feedback on how rest of distro is affected.

Why? (cont'd)

- We all contribute back upstream individually.
- But the distribution itself is invisible in the workflow of those projects.

Why? (cont'd)

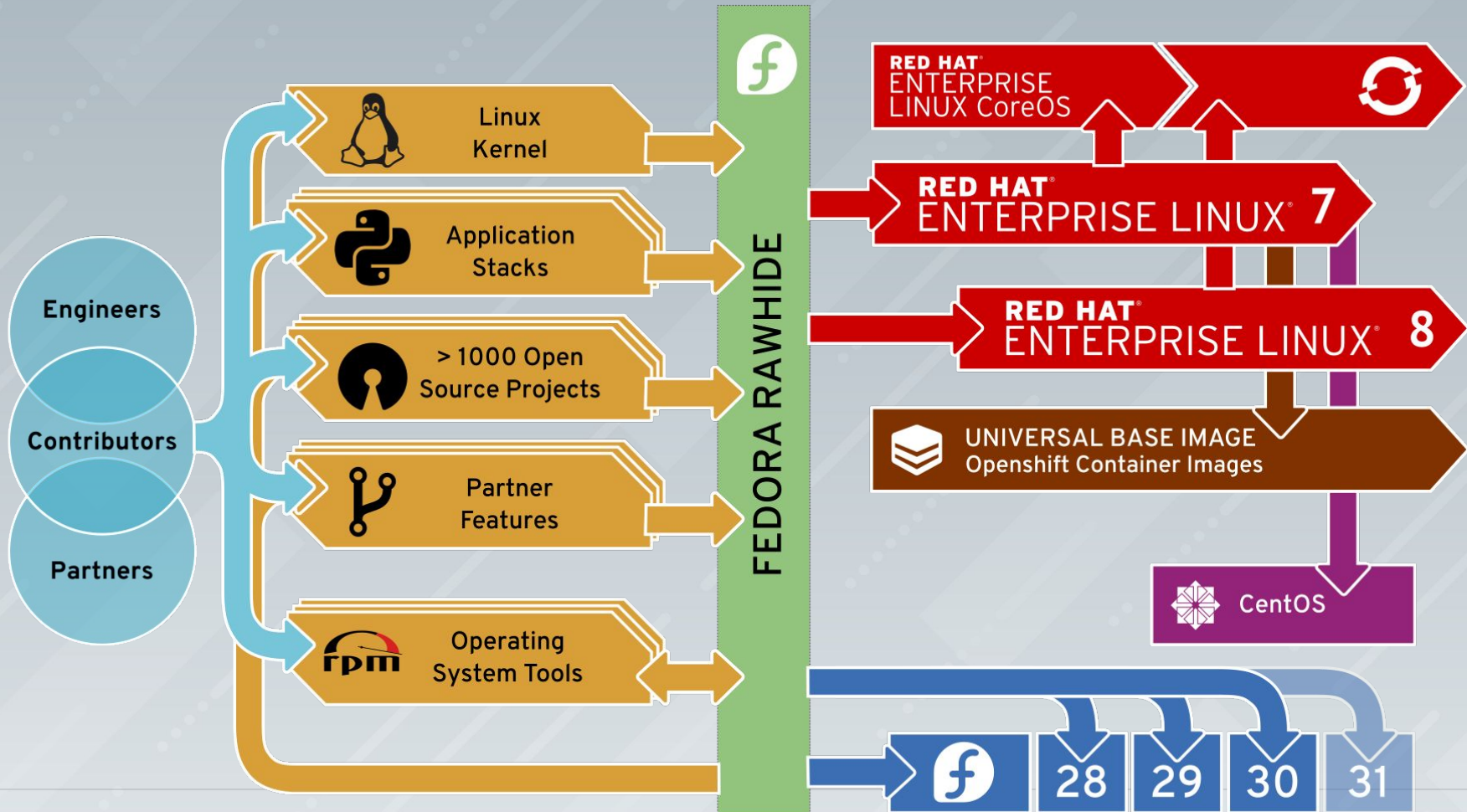
- Let's be clear: packaging software is not exciting.
- Having latest greatest bits integrated with the rest.
 - That's exciting!

Introducing: Packit Service

- Connect upstream projects with Red Hat's ecosystem.
- Build your upstream project for Fedora.
- Be informed right away that your change does not build in RHEL.
- Verify a change in the ecosystem.
- Automated delivery.
- RPM is the king.
- Available as an on-demand service or as a CLI tool.

Packit Service

- **Current status: preview.**
- We are looking for your feedback.
- Not ready for general usage, yet (we are sorry).



MORE PICTURES, PLEASE



Packit-as-a-Service

🕒 Installed 12 days ago

👤 Developed by [packit-service](#)

Packit (<https://github.com/packit-service/packit>) as a service.

Permissions

✓ **Read** access to code

✓ **Read** access to metadata

✓ **Read** and **write** access to issues and pull requests

Options

Collaborators & teams

Branches

Webhooks

Notifications

Integrations & services

Deploy keys

Alerts

Installed GitHub Apps

GitHub Apps augment and extend your workflows on GitHub with commercial, open source, and homegrown tools.



Packit Testing

Configure



Packit-as-a-Service

Configure



TomasTomecek wants to merge 1 commit into `packit-service:master` from `TomasTomecek:test`



Conversation 0



Commits 1



Checks 0



Files changed 1



TomasTomecek commented just now

Member



Signed-off-by: Tomas Tomecek ttomecek@redhat.com



even more instructions

e89b8d0

Add more commits by pushing to the `test` branch on **TomasTomecek/hello-world**.



Some checks haven't completed yet

[Hide all checks](#)

1 pending check



packit/rpm-build Pending — *The RPM build has started.*

[Details](#)



This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request



or view [command line instructions](#).



packit-as-a-service bot commented 3 days ago



Congratulations! The build **has finished** successfully. 🍾

You can install the built RPMs by following these steps:

- `sudo yum install -y dnf-plugins-core` on RHEL 8
- `sudo dnf install -y dnf-plugins-core` on Fedora
- `dnf copr enable packit/packit-service-hello-world-2`
- And now you can install the packages.

Please note that the RPMs should be used only in a testing environment.



TomasTomecek merged commit **9e25078** into `packit-service:master`

[View details](#)

[Revert](#)

3 days ago

1 check passed



TomasTomecek deleted the `TomasTomecek:test` branch 3 days ago

Workshop

1. Build and deploy a change to your upstream project as an RPM for Red Hat Enterprise Linux 8.
2. Propose, build, deploy and validate a change to Fedora systemd.

First use case (RHEL)

- We have an upstream project.
- And we want to run it on Red Hat Enterprise Linux 8.

First use case (RHEL)

- <https://github.com/packit-service/hello-world>
- Please, send a PR!

First use case (RHEL)

- Once the builds are done, let's deploy:

- `podman run --rm -ti`
`registry.access.redhat.com/ubi8-dev-preview/ubi`
- `cd /etc/yum.repos.d/`
- `curl -O`
<https://copr.fedorainfracloud.org/coprs/packit/packit-service-hello-world/repo/rhelbeta-8/packit-packit-service-hello-world-rhelbeta-8.repo>
- `yum install -y hello`

How did we do this?

- packit config
- spec file

Second use case (systemd)

- We'll start by looking at the systemd version we have in Fedora 29
- <https://github.com/packit-service/systemd-source-git/tree/f29>

Second use case (systemd)

- Let's send the pull request now!

The future?

- Publish to GitHub marketplace.
- What would you like to see in future?
- What features are missing right now?
- Should RPM packaging be more seamless?
 - Are spec files meant to be easier to use?

Thank you for coming!

- <https://packit.dev/>
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