



# Building EPEL 10 on CentOS Stream

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# Disclaimer

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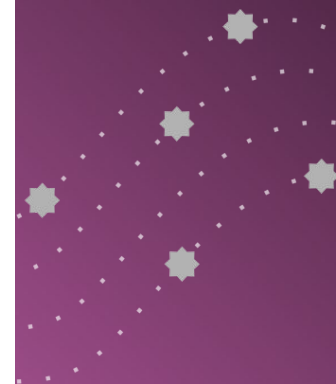
- This is a 20 minute talk
- There is more than 20 minutes of context for today's topic
- For a more detailed breakdown, watch the “EPEL 10 Overview” talk from CentOS Connect 2024
- This talk will mostly be a status update for those that have already been following along or participating



# Background Summary

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- RHEL has minor versions
- EPEL 7 and earlier ignored this entirely
- EPEL 8 and EPEL 9 couldn't completely ignore this because of CentOS Stream changes
- EPEL Next was a partial fix, but less than ideal
- Path forward is to fully embrace minor versions in EPEL 10



# Pipeline Overview

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- distgit branch: epel10
- koji target: epel10
- koji external repo: CentOS Stream 10
- disttag: .el10\_0
- bodhi release: EPEL-10.0
- koji tag: epel10.0
- repo path: pub/epel/10



# Pipeline Overview

- distgit branch: epel10.0
- koji target: epel10.0
- koji external repo: RHEL 10.0
- disttag: .el10\_0
- bodhi release: EPEL-10.0
- koji tag: epel10.0
- repo path: pub/epel/10.0





# Pipeline Overview

- distgit branch: epel10
- koji target: epel10
- koji external repo: CentOS Stream 10
- disttag: .el10\_1
- bodhi release: EPEL-10.1
- koji tag: epel10.1
- repo path: pub/epel/10



# Benefits

# Benefits

- Intuitive structure
- Inherited builds
- No branching decisions
- Fewer uninstalleable packages
- Per-minor version archive repos
- Per-minor version retirements
- Better experience for CentOS users



**Progress**

# Progress

- dnf
  - \$releasever\_major and \$releasever\_minor
  - parameter expansion
- package signing key
  - distribution-gpg-keys
  - robosignatory
  - [fedoraproject.org/security](https://fedoraproject.org/security)



# Progress

- koji
  - tag structure
  - external repos
  - build groups
  - targets
  - side tags
  - rpmautospec bootstrap



# Progress

- mirrormanager
  - adjusted scan regex to detect minor version repos
- owner-sync-pagure
  - fixed assumption about branch name matching koji tag
- pagure-dist-git
  - fixed assumption about branch name matching koji tag
  - allowed pushing to branches



# Progress

- fedpkg
  - minor version branch support
  - disttag and validation logic
- scm\_request\_processor toddler
  - validation logic
  - fixed permissions issue
- mdapi
  - ported from pkgdb to bodhi
  - minor version logic





# Progress

- bodhi
  - adjusted pungi template
  - created EPEL-10.0 release
  - set up for automatic updates and zero days in testing
- nightly composes



# Progress

- epel-release
- epel-rpm-macros
- epel10 version in bugzilla
- epel-10-\*.cfg files in mock-core-configs



# Progress

- Hackfest at Flock
- Soft launch for packagers
- 9,067 RPMs
- 3,064 SRPMs



# Launch Timeline

# Launch Timeline

- 2024 Q3
  - Hackfest at Flock
  - Soft launch for packagers
- 2024 Q4
  - Expected release of CentOS Stream 10
  - Official launch of EPEL 10



# Launch Timeline

- 2025 Q1
  - Mass branching for 10.0
  - Start of EPEL 10.1
- 2025 Q2
  - Expected release of RHEL 10
  - EPEL 10.0 switches to building against RHEL 10.0



**Q & A**

# THAT'S ALL FOLKS

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