Differing Needs

Fedora

- Run everywhere
- Try out new features
- Innovation is the primary driver

Red Hat Enterprise Linux

- Curated list of supported hardware
- Ship only tried and true functionality
- Stability is the primary driver

Bootstrapping Red Hat Enterprise Linux

- Remove unwanted dependencies
- Modify builds to exclude experimental features
- Adjust configuration defaults
- Split built packages into BaseOS, AppStream and CRB repositories

- Occurred after RHEL development branched from Fedora.
- Required around nine months of work by a dedicated bootstrapping team.
- Wasn't going to work with the new three-year release plan for RHEL.

Fedora ELN

ELN is a buildroot and compose process for Fedora that takes Fedora Rawhide sources and emulates the Red Hat Enterprise Linux build and compose.
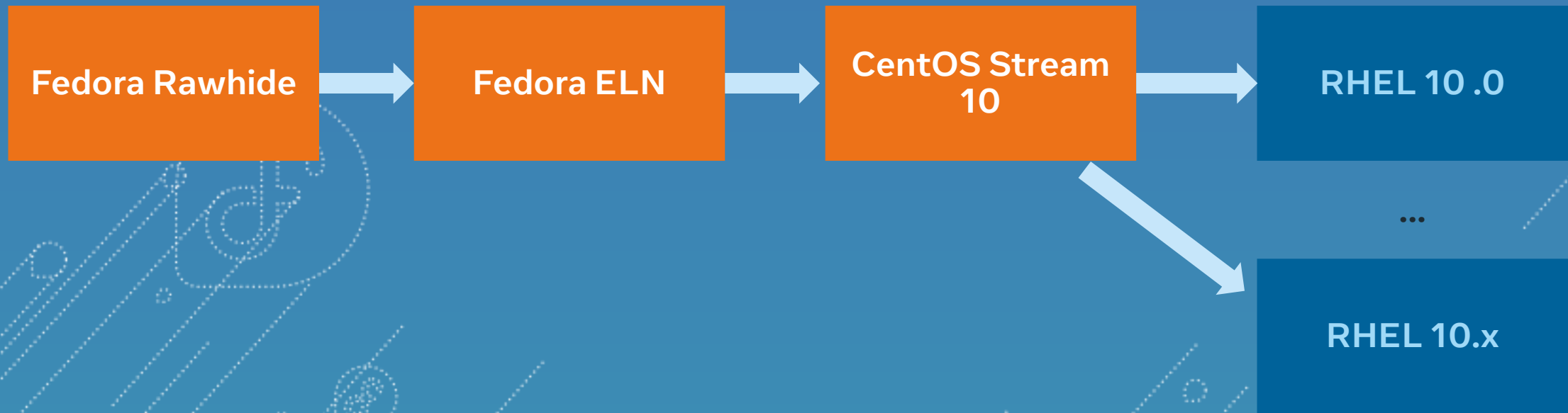
ELN allows us to explore new ideas like a higher baseline for CPU architectures in a way that will not disrupt the rest of Fedora.

Continuous Bootstrap of CentOS Stream 10

- Packages are automatically synchronized from Fedora ELN to CentOS Stream build and compose infrastructure.
- Goal is to be able to branch and cut over to CentOS Stream development at any time.

Bootstrap time after branching from Fedora

Red Hat Enterprise Linux 8

- July 2017: Branched from Fedora
- May 2018: Internal RHEL Development Phase begun

Red Hat Enterprise Linux 10

- February 2024: Branched from Fedora
- March 2024: Internal RHEL Development Phase begun

Where is CentOS Stream 10 now?

Packages

Rebuilds
- Done with the first mass rebuild
- Other smaller mass rebuilds happening
  - Java
  - Perl
  - Others?

Package Removal / Additions
- Still happening
- Majority are done

Where is CentOS Stream 10 now?

Availability

What is available
- Development Compose
- Production Compose
  - (It's just a name, not really for production)

Where is it available
- Compose URL
  - https://composes.stream.centos.org/stream-10/
- Available on Mirrors
  - https://mirror.stream.centos.org/10-stream/
- Available to CentOS SIG's on CRB

Where is CentOS Stream 10 now?

Misc

Installable
- Usually

Stabilization
- Ongoing

Cloud / AWS Images
- Created (hopefully soon)
- Not pushed out to official places
- Will be found in the Compose URL area

Where is EPEL 10 now?

EPEL
10

Crank It Up To Eleven!!

- What do we know needs improvement?
- What ways do we want to participate?
- What blocks us from participating?

Fedora ELN Extras or EPEL 11?

Get involved

- Docs: https://docs.fedoraproject.org/en-US/eln/
- Composes: https://odcs.fedoraproject.org/composes/production/
- Matrix: #eln:fedoraproject.org