



The roadmap beyond Red Hat Enterprise Linux 10:

Building platforms the open source way

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Let's break the ice!

1

Are you a Fedora user? (5+ years? 10+ years?)

2

Are you a RHEL user? (5+ years? 10+ years?)

3

Is your job technical? Are you more business focused?

Raise your hands!

RHEL Higher/Lower

Let's play a quick game!



HIGHER

LOWER

Guess the stats - shout it out!

Max XFS Filesystem Size

RHEL 10 Capability

500 TB



HIGHER

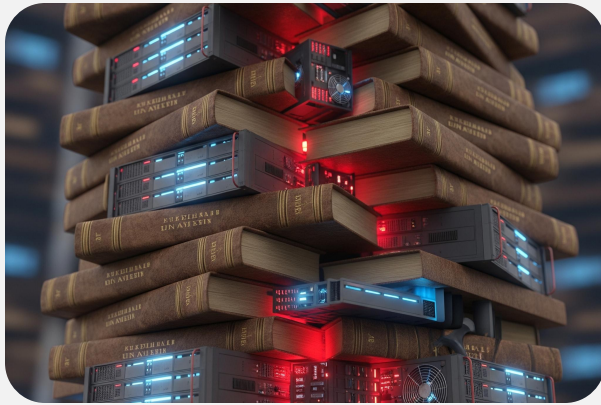
LOWER

Guess the stats - shout it out!

The Answer: 1 Petabyte

New RHEL 10 Benchmark

1 PB



DID YOU KNOW?

1 PB is roughly equivalent to the contents of every academic paper ever published, plus extra!

That's twice our initial guess of 500 TB.

Scaling for the future of AI and data.

RHEL Support Lifecycle

Total Maintenance & Support Years

12 Years



HIGHER

LOWER

Guess the stats - shout it out!

The Answer: 14+ Years

Standard + Extended Support

14 Years



BREAKDOWN

5 Full Support Years + 5 Maintenance
Support Years + 4 Extended Lifecycle
Premium Years

Red Hat Enterprise Linux provides the stability needed for
critical enterprise infrastructure.

Ensuring long-term stability and security for your deployments.

RHEL 11 Packages

Potential Base + App Streams (ELN)

~2,800



HIGHER

LOWER

Guess the package count - shout it out!

The Answer: ~2,300 Packages

Enterprise Linux Next (ELN) Projection

2,270



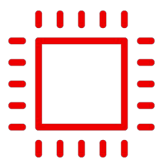
PACKAGE MINIMIZATION

Refined BaseOS + AppStream contents.

Fedora ELN gives you a peek into what RHEL 11 will look like

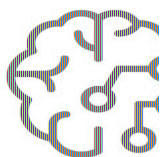
The Contents of RHEL 9.8 and 10.2

New Marquee Features



1. goose command-line tool in RHEL Extensions repository

An optional alternative to the command line assistant



2. Red Hat Enterprise Linux MCP Server

Allow your AI Agents to interact with RHEL



3. Red Hat Enterprise Linux upgrade system role

A more automated approach to in place upgrades



4. Sealed images enabled by image mode (Tech preview)

Attestation at an OS level with Image Mode



New developer features and enhancements

With RHEL 10.2 and 9.8, the following are now available

Go Toolset 1.26 - new default garbage collector

LLVM Toolset 21 - new ThinLTO backend

Rust Toolset 1.92 - Native workspace publishing

Ruby 4.0 - A new JIT

MariaDB 11.8 - VECTOR datatype and vector indexing

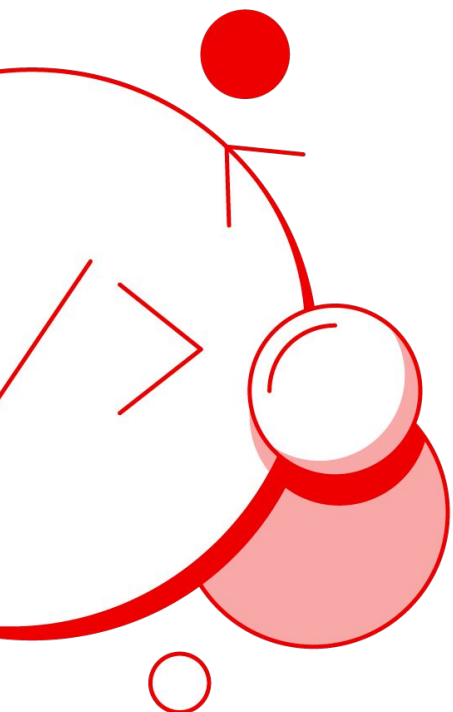
PHP 8.4 - Lazy objects and debug improvements

OpenJDK 25 - Keeping up with LTS

Git 2.51 - More efficient storage

PostgreSQL 18 - faster upgrades and async I/O support

Python 3.14 - Type system and perf updates



Start/Stop after RHEL 10

Start planning now while these are supported for a while longer

Start

EROFS

Cockpit (to manage VMs)

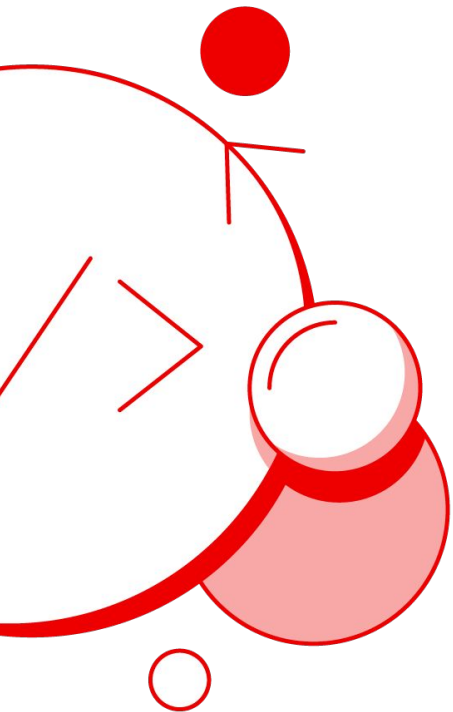
SHA-2+ for Secureboot

Stop

Squashfs

Virt-manager

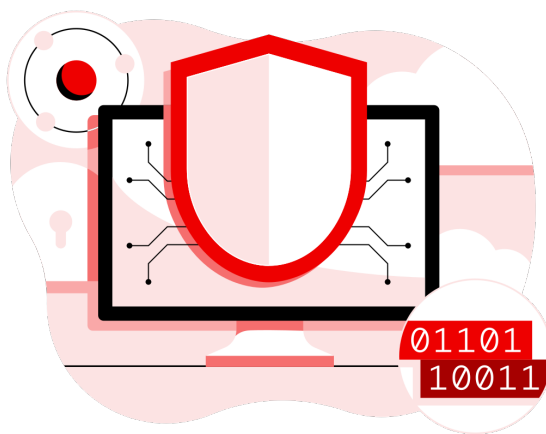
SHA-1 for secureboot



Customer-Controlled Security with Sealed Images

Cryptographically signed image mode boot images (Tech preview)

- ▶ Customer-Controlled Signing: Use your own organization's Secure Boot keys to sign container images directly at build time.
- ▶ Targeted Trust: Configure target systems to exclusively trust your internally certified, signed images.



- ▶ Complete Chain of Trust: Provides end-to-end cryptographic integrity protection across the entire deployment lifecycle.
- ▶ Continuous Runtime Verification: Cryptographically verifies every OS component before execution and continuously enforces those checks at runtime to prevent tampered hosts from booting.



Pre-Download updates for Image Mode

Stage, and switch on your own schedule



Allowing administrators to save time during planned maintenance windows, by downloading but not staging your updated bootc image. Then only applying it on your schedule (instead of the next reboot).



Build an image

Create custom system images with your preferred configurations, packages, and settings. Build images for different target environments and deployment scenarios.

1 Base settings

3 Advanced settings

4 Review

Base settings

Your selections below may automatically add required configurations in subsequent steps.

Details

Enter a name and description to identify your deployment-ready image.

Name *

Description

Image output

Select the release, architecture, and a target environment to build your image. Learn more about [Deploying and managing RHEL systems](#).

Image type *

☐ Package mode☒ Image mode

RHEL image mode treats the entire operating system as a single, immutable container image that is updated atomically

Image source *

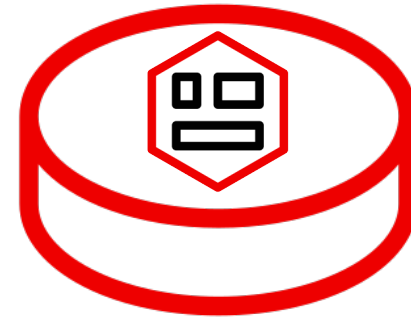
Architecture *

[Back](#)[Next](#)[Review image](#)[Cancel](#)

Efficient bootc image Storage

Reducing disk footprint for bootc images

A new storage architecture for bootc that isolates a dedicated copy of the OS in a container store.



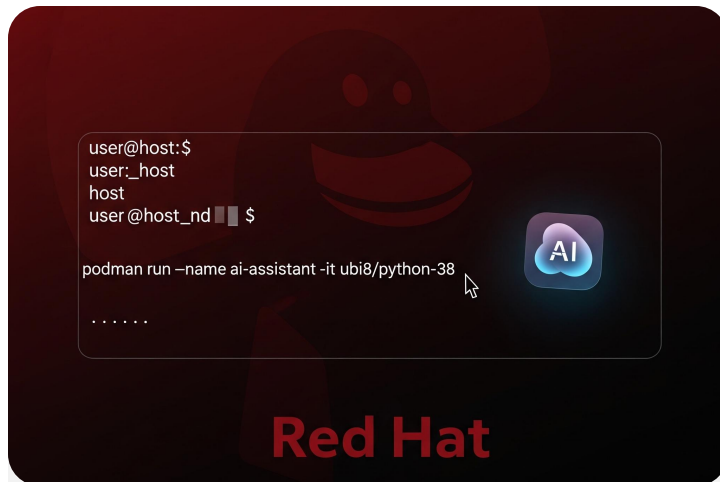
Streamlined bootc testing with BCVK

Running a VM from your bootc image for testing just got easier

The Bootable Containers and Virtualization Kit (BCVK) simplifies spinning up ephemeral VMs directly from local Podman builds.



Empowering RHEL with Agentic Intelligence



Command-Line Assistant

GA IN APPSTREAM

Simple Q&A powered by RHEL Lightspeed. Get expert administration answers backed by official documentation.



Goose AI Agent

FEDORA & EPEL EXECUTIONS

Open source agent pairing with RamaLama for local AI. No GPU required for advanced agentic workflows.



RHEL MCP Server

DEVELOPER PREVIEW

Connect any AI assistant to RHEL for diagnostics. Features experimental [guarded command execution](#).

AI Assisted Upgrades with Ansible Automation

RHEL, Ansible Automation platform, and Lightspeed help you upgrade your fleet

Official Ansible Certified Content that wraps Red Hat's upgrade heuristics into automated workflows.



LEAPP upgrades from RHEL 9.8 to 10.2

LEAPP upgrades are now supported from the latest RHEL 9.8 to RHEL 10.2



**Red Hat
Enterprise
Linux 9**

Red Hat Enterprise Linux 9.8



**Red Hat
Enterprise
Linux 10**

Red Hat Enterprise Linux 10.2



Single-step conversion and Upgrade

Convert other Linux's to RHEL, and get up to the latest release

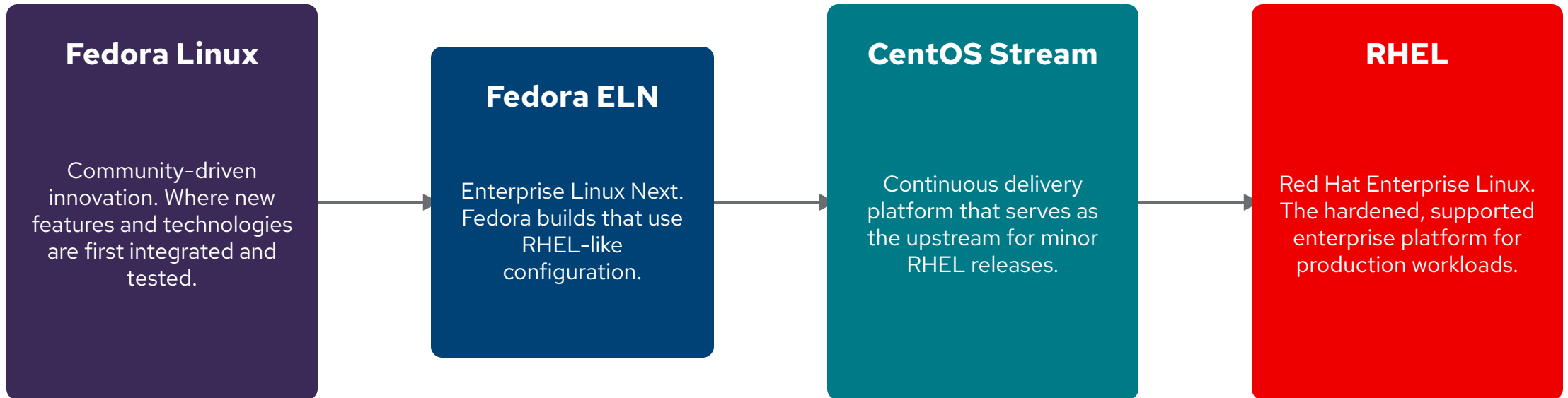
A massive enhancement to Leapp that natively converts a RHEL clone (CentOS Stream, Oracle, Alma, or Rocky Linux) into RHEL and performs a major version upgrade in a single command.



Open Source Planning

Enterprise Linux Ecosystem Flow

The relationship between community innovation and enterprise stability



Red Hat Hybrid Cloud Console

Search

Help

Brian Stinson

Red Hat Enterprise Linux

Dashboard

Inventory

Content

Operations

Security

Planning

Life Cycle

Roadmap

Business

Automation Toolkit

Registration Assistant

Learning Resources

RHEL > Planning > Roadmap

Filter by tags

?

Roadmap

Upcoming features and dates are subject to change.

Deprecations

0 deprecations that could affect your systems

Changes

0 changes that could affect your systems

Additions and enhancements

37 additions and enhancements that could affect your systems

Name

Filter by name

View

Relevant only

All

1 - 10 of 37

	Name	Type	Release	Added to roadmap	Release date
>	Universal FIPS provider module for streamlined certification	Addition	10.4	2025-07-09	May 2027
>	Rust Toolset in RHEL 9.7, RHEL 10.1	Addition	9.7	2025-08-13	Nov 2025
>	Rust Toolset in RHEL 9.7, RHEL 10.1	Addition	10.1	2025-08-13	Nov 2025
>	Go Toolset 1.24 in RHEL 9.7, RHEL 10.1, 8.10.z	Addition	9.7	2025-07-09	Nov 2025
>	Go Toolset 1.24 in RHEL 9.7, RHEL 10.1, 8.10.z	Addition	10.1	2025-07-09	Nov 2025
>	LLVM Toolset in RHEL 9.7, RHEL 10.1	Addition	9.7	2025-08-13	Nov 2025
>	Reproducible Container builds	Enhancement	9.7	2025-08-13	Nov 2025
>	Reproducible Container builds	Enhancement	10.1	2025-08-13	Nov 2025
>	Support for soft-reboots	Addition	10.1	2025-07-09	Nov 2025
>	Image Builder creates image mode systems	Enhancement	10.2	2025-08-13	May 2026

Feedback

Eras of Enterprise Linux Development

The evolution from isolated availability to open collaboration

RHEL 7

Basic availability. Feature requests (RFEs) and bug reports are accepted for stabilization.

RHEL 8

"Conspicuous" development. CentOS Stream introduces public visibility into minor releases.

RHEL 9 & 10

"Contributable." Directly contribute using the same workflow as RHEL maintainers.

RHEL 11

"Collaborative." Where the ecosystem truly becomes a unified development effort.

Kickoff: We Want to Hear From You

Shape the future of Red Hat Enterprise Linux through your feedback

RFE Process

Filing issues and support cases is how you can currently contact us. What other ways do you want to engage?

Fedora Sandboxes

Exploring innovative ways to leverage Fedora Sandboxes as a testing ground for future enterprise features.

Digital Roadmap

Get early visibility into new developments ahead of upcoming Major and Minor RHEL releases.

The Red Hat Enterprise Linux team wants to hear from *you!*



Help shape what comes next.

Scan the QR code or go to:

red.ht/userfeedback

Share your pain points, experiences, and ideas.

Visit the UX team at the RHEL booth



Thank you



linkedin.com/company/red-hat



facebook.com/redhatinc



youtube.com/user/RedHatVideos



twitter.com/RedHat

