



TechTalks





TechTalks

Red Hat Enterprise Linux

Experience it now!



Speaker introduction



Alessandro Rossi

RHEL Advocate
alerossi@redhat.com



Juan van der Breggen

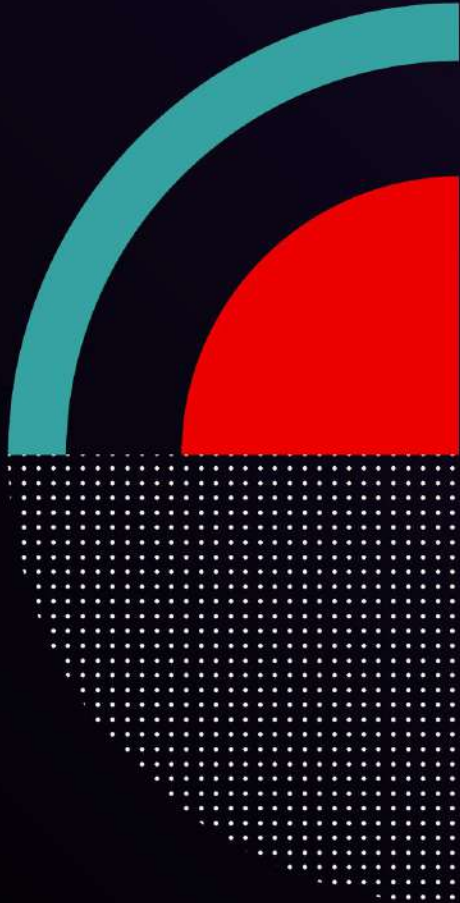
RHEL Advocate
juanb@redhat.com



What we'll discuss today

- New Features
- Notable Deprecations/Removals
- Lab time!





What is the new
hotness?



New Marquee Features



1. Image Mode

Image Mode moves from "Tech Preview" to a GA, fully supported feature.



2. Command Line Assistant

AI augmented assistant (RAG model with Watson X, no additional licensing needed)



3. Post Quantum Encryption Capable

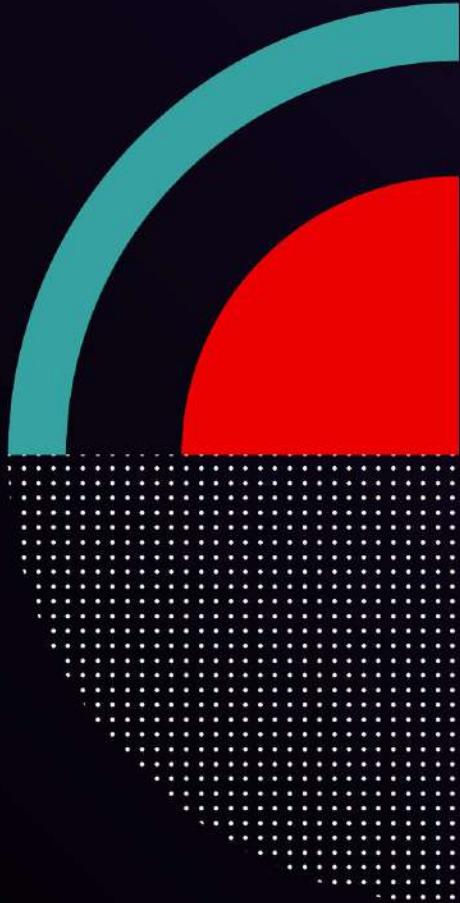
Technologies and framework for applying post quantum requirements when they become available



4. Insights Advisor in Satellite

Proactively analyze and remediate availability, performance, and security risks in disconnected environments





What are we
removing?

(Remember there
is 7 years left on
RHEL9)



What are we changing?

Long Live Wayland!

Xorg and friends, gone :

RHEL 10 will be Wayland-only. With the removal of Xorg, several other technologies leave too, specifically GTK2 and Motif.

VNC, gone; RDP is the new way :

VNC relies on the older X technologies which are no longer included in RHEL10. RDP is the remote graphical desktop alternative. RDP has now replaced VNC for remote graphical installations as well.

Java Wrangling

Quarkus, removed :

Quarkus is no longer included in RHEL.

Tomcat, returns :

Tomcat is now included in RHEL (it initially returned in a minor release update of RHEL 9). It had been removed from RHEL8.



What are we changing?

Network Changes

ISC DHCP replaced by Kea DHCP :

ISC halted maintenance of ISC DHCP in favor of their work on Kea DHCP. RHEL will now support this updated DHCP server as well.

iptables, deprecated, but still there :

Iptables was deprecated in RHEL8, however will likely be shipped with RHEL 10 due to its use in OpenShift. However, it is recommended people using iptables should move to nftables. Red Hat provides iptables-translate as a tool to help with this migration.

CPU Changes

x86-64-v3:

- Instruction Set Architecture version 3 (ISA v3)
- Haswell or greater Intel CPUs, Excavator or greater AMD CPUs
- Not all CPU platforms are v3 compliant (Some Atom, Some ARM)

i686 removed:

- No software compiled for i686 support will be included. This affects 32-bit multi-lib support



What are we changing?

Security Compliance Changes

SCAP Workbench, removed :

Used GTK2, which was removed with Xorg. SCAP Workbench has not been re-written to function with Wayland, and consequently has been removed.

Anaconda Security Compliance options, removed :

Anaconda no longer supports security compliance standards to be selected, thereby customizing the installation. However, Image Builder (Insights) still supports this feature.

Farewell Modularity

Software no longer packaged as modules :

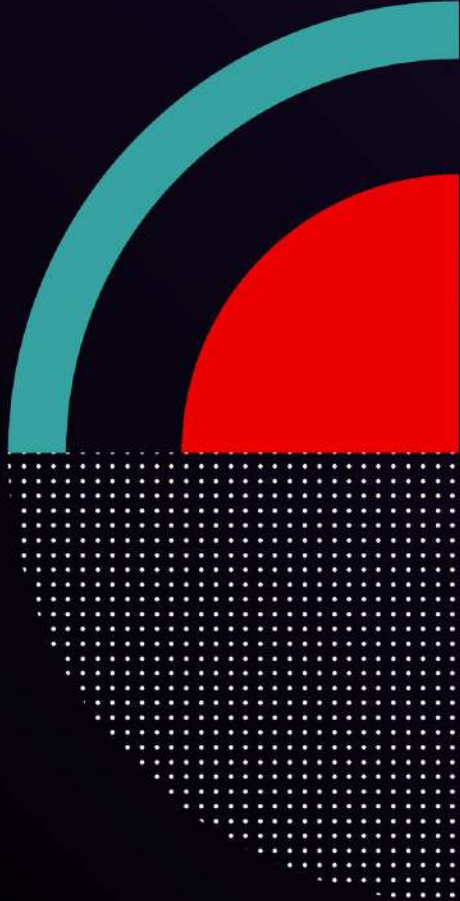
Application Streams will still be produced, but now they will be packaged as regular RPMs instead of modules. This has already partially happened in RHEL9 (see openjdk as an example). Some packages will still be built as 'Software Collections' meaning that multiple different versions can be installed in parallel. GCC Toolset, Python are two examples of these.

Add On Changes

Resilient Storage, removed :

The Resilient Storage Add-On will not be made available for RHEL 10. However, will continue to be supported in RHEL8 and 9.

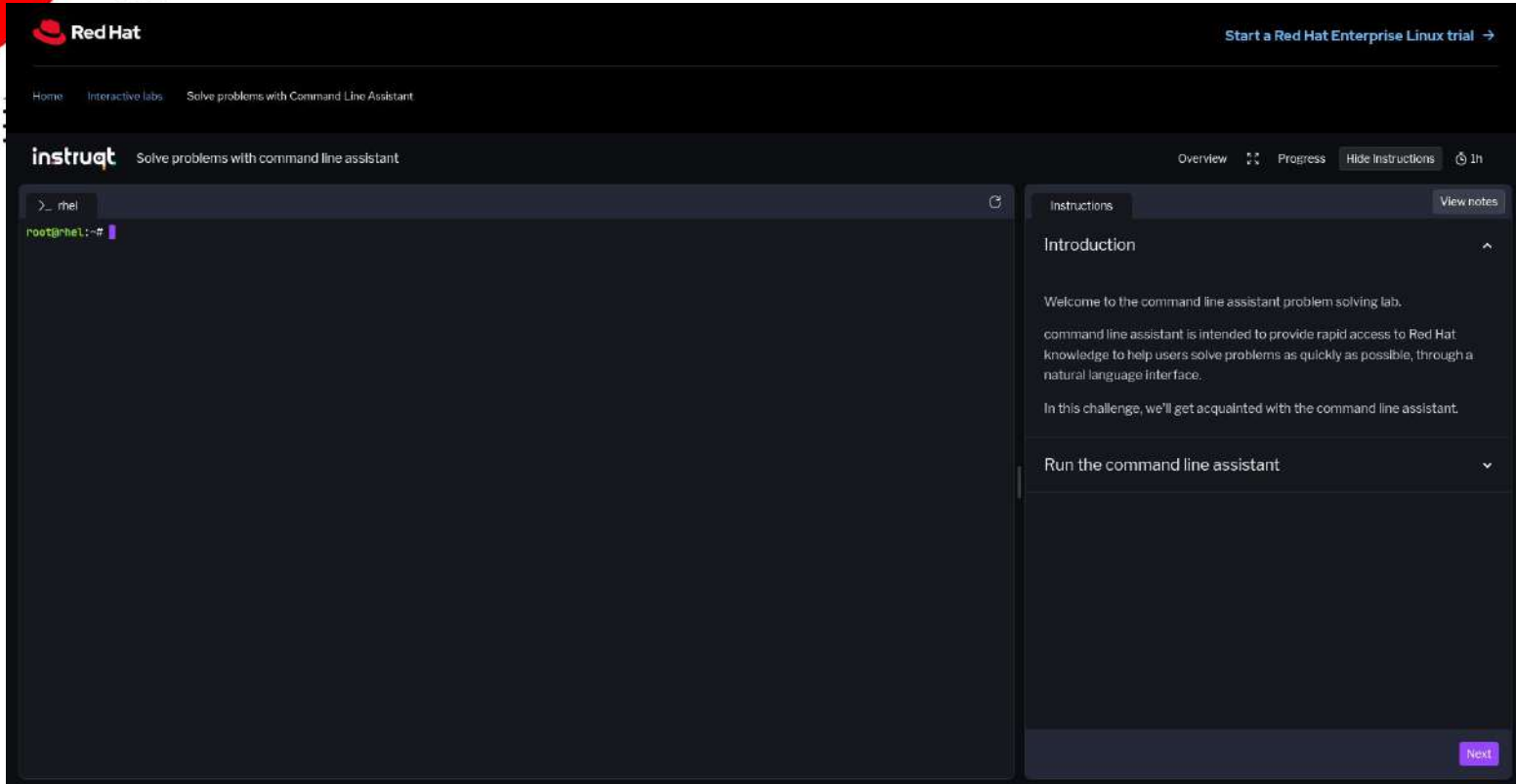




Ready for some
hands-on?



Familiarize with the environment!



The screenshot displays the Red Hat Command Line Assistant (CLA) interface. At the top, the Red Hat logo is on the left, and a link to "Start a Red Hat Enterprise Linux trial" is on the right. Below the header, a navigation bar includes "Home", "Interactive labs", and "Solve problems with Command Line Assistant". The main area is titled "instruct" and "Solve problems with command line assistant". On the left, a terminal window shows a shell prompt "root@rhel:~#" with a cursor. On the right, a sidebar contains an "Instructions" panel with a "View notes" button. The "Introduction" section welcomes the user and explains the CLA's purpose. The "Run the command line assistant" section is currently expanded. At the bottom right of the sidebar, there is a "Next" button.

Red Hat

Start a Red Hat Enterprise Linux trial →

Home Interactive labs Solve problems with Command Line Assistant

instruct Solve problems with command line assistant

Overview Progress Hide Instructions 1h

Instructions View notes

Introduction

Welcome to the command line assistant problem solving lab.

command line assistant is intended to provide rapid access to Red Hat knowledge to help users solve problems as quickly as possible, through a natural language interface.

In this challenge, we'll get acquainted with the command line assistant.

Run the command line assistant

Next



Familiarize with the environment!

- You don't need an account to access the labs!
- Labs may take 3-5 minutes to fully load
- Instructions are on the right, and they allow copy/paste of commands/credentials
- Multiple tabs in the left panel for terminal/browser



Command Line Assistant

Try the AI assistant - <https://red.ht/lab-rhel-cla>



Image Mode Basics

Build and deploy an Image Mode system - <https://red.ht/lab-image-mode>



Image Mode Day 2 Operations

Manage a virtual machine running in Image Mode - <https://red.ht/lab-image-mode-day2>



RHEL 10 (beta) Open Lab

Ready to explore an installed RHEL 10 system? - <https://red.ht/lab-rhel10-beta>



Red Hat Satellite Basics

Basics of what is new in Satellite 6.17 - <https://red.ht/lab-satellite-basics>



Satellite Advanced Topics 6.17

Advanced lab on what is new in Satellite 6.17 - <https://red.ht/lab-satellite-advanced>



Rootless Podman Lab

Learn how to configure a docker image to run as a rootless podman service - <https://red.ht/lab-podman-rootless>



Building Pods and using Quadlets

Build podman pods and define them as services using Quadlets - <https://red.ht/lab-podman-pods>



Upcoming events to mark in your agenda



Open Source Summit Europe

(Red Hat is global sponsor)
25-27 August, RAI
Amsterdam



Red Hat Technical Journeys

On demand, virtual



Red Hat Summit: Connect 2025

15 October 2025, NBC
Nieuwegein



redhat.com/en/events

Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.



linkedin.com/company/red-hat



youtube.com/user/RedHatVideos



facebook.com/redhatinc



x.com/RedHat

