









# Connected Capabilities of Red Hat Insights include



#### **Advisor**

Recommendations for misconfigurations and best practices to improve stability, performance & availability



### Patch

Tracks applicable Red Hat errata across environments including security, bug fixes and enhancement advisories



### Vulnerability

Identifies, prioritizes and reports on known security Common Vulnerabilities and Exposures (CVEs)



### **Images**

Simplifies image customization via the creation of blueprints and deployment across hybrid environments.



### **Cost Management**

Provides visibility into usage and cost trends across hybrid cloud environments



### Subscriptions

Delivers visibility into Red Hat subscription status, usage trends and utilization across your infrastructure



### Compliance

Monitors compliance with security baselines to report on and meet regulatory requirements at scale



### **Malware Detection**

Scans for known malware using a curated signature database developed with IBM X-Force



### Red Hat Satellite capabilities include



#### **Advisor**

Recommendations for misconfigurations and best practices to improve stability, performance & availability



#### Patch

Schedule and automate patch application across system groups to ensure consistent security and stability



### **Provisioning**

Deploy your RHEL estate on bare-metal, virtual and cloud environments



### Content management

Distribute and manage software content across your infrastructure



### Host configuration

Standardize system configuration using host groups, activation keys, and parameter inheritance across managed systems



### **Subscriptions**

Delivers visibility into Red Hat subscription status, usage trends and utilization across your infrastructure



### Compliance

Monitors compliance with security baselines to report on and meet regulatory requirements at scale



# Red Hat Satellite 6.18 highlights:

### Red Hat Lightspeed

- Technology preview of Vulnerability service.
- Advisor service is now generally available.

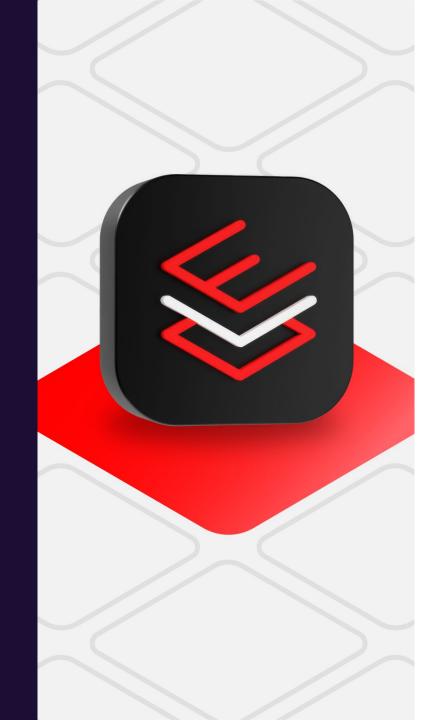
### Content Management

- Rolling content views
- Flatpak WebUI support
- Integrated access to Satellite container registry

#### Al assistance

- Model Context Protocol (MCP) server integration
- Offline Command Line Assistant





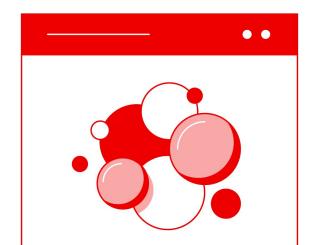
# Red Hat Lightspeed



# Red Hat Enterprise Linux Command-Line Assistant

Command line assistant Improvements

Proactive guidance, knowledge, and recommendations





Increased request Size - The Command-Line Assistant now allows for more input

Send even more context along with your queries to the RHEL Command Line Assistant allowing for more clarity in your requests, leading to better responses.



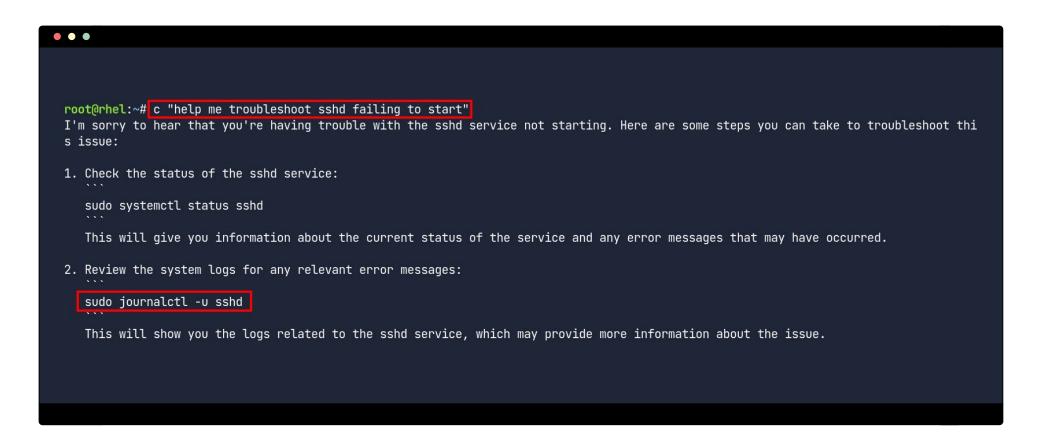
Offline Command-Line Assistant (CLA) - Run the CLA on your own Infrastructure (Developer Preview)

With a satellite subscription, you can now run the Command Line Assistant on your own infrastructure.



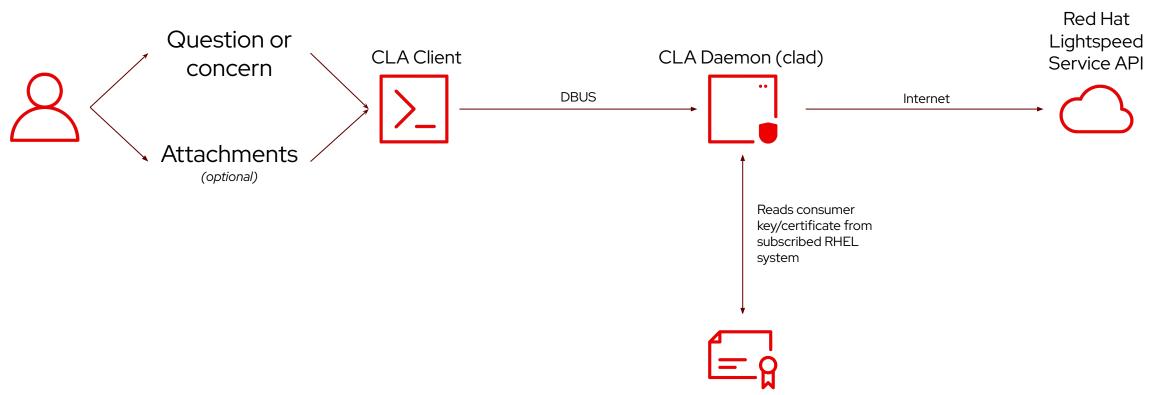
### A new command line assistant

Powered by Red Hat Enterprise Linux Lightspeed



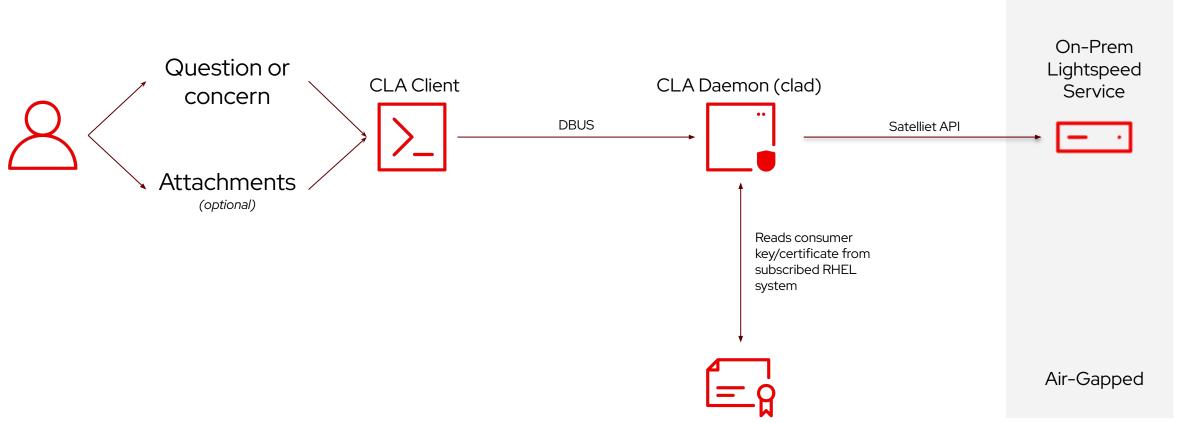


# CLA: What happens on the customer's system?



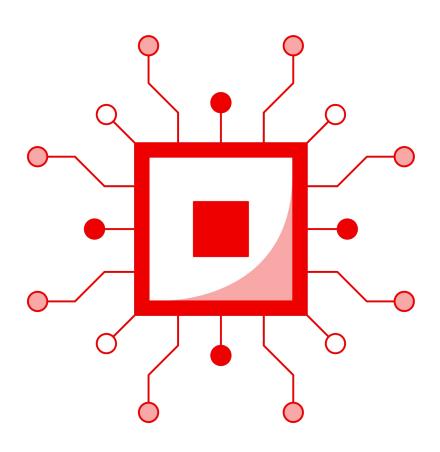


# CLA: What happens on the customer's system?





### Al Foundations Roadmap



- RHEL MCP server (Developer Preview): Leverage generative AI to assist with log analysis and to help identify performance bottlenecks
- Enhanced RHEL command line assistant: Support for MCP tool calling within the command line assistant to accelerate problem resolution
- RHEL command line assistant enterprise offline version: Building on the already launched individual offline version developer preview, this solution will enable large-scale, on-premises deployment of the command line assistant across your RHEL environment





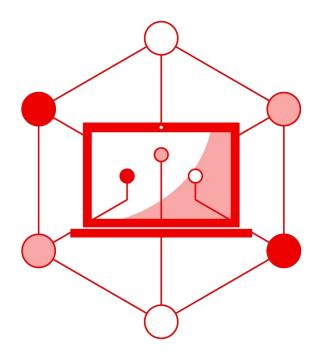
# Vulnerability service powered by Red Hat Lightspeed

- Vulnerability Service powered by Red Hat Lightspeed is the primary method for tracking security issues involving viewing and triaging CVEs (Common Vulnerabilities and Exposures).
- The system displays detailed information about CVEs, including the CVE ID, description, publish date, severity, and CVSS score.
- We want to provide a security-first experience for CVEs in Satellite, to complement the current errata-first view of CVEs.



# Red Hat Insights advisor in Satellite

Analyze and remediate availability, performance, and security risks in disconnected environments





Use Insights advisor's business rules and logic—codified from decades of Red Hat Enterprise Linux expertise—to monitor system configurations, detect risks, and prescribe remediations without sending data off-premise

- Flexible options for installing and upgrading
- Separation, minimal access, and ultimate control for highly regulated industries and geographies
- Proactive recommendations catch problems early, minimizing downtime



# Advisor

Red Hat Recommendations based on 20+ years of supporting RHEL in areas of availability, performance, stability, and security risks.

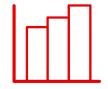
### With Advisor:



**Assess** impact of Red Hat Recommendations on your systems

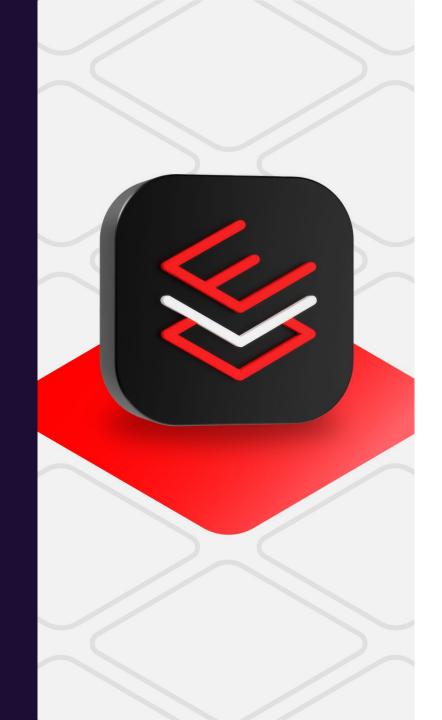


**Remediate** findings with prescriptive remediation steps or an Ansible playbook



Report via JavaScript Object
Notation (JSON) and
Comma-Separated Values (CSV)
view-based reports to keep
relevant stakeholders informed





# Image Mode on RH Satellite





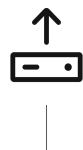
# Image mode support

Simplify RHEL management workflows for both containers and traditional OS with a single, consistent set of tools. Image mode also helps streamline transitions to containerized environments.

- Overview of booted container images via:
  - · API
  - Hammer
  - UI
- **Distinguish** image mode from package mode hosts
- **Searchable** bootc details on hosts
- bootc remote execution category



# General image mode flow in Satellite 6.18





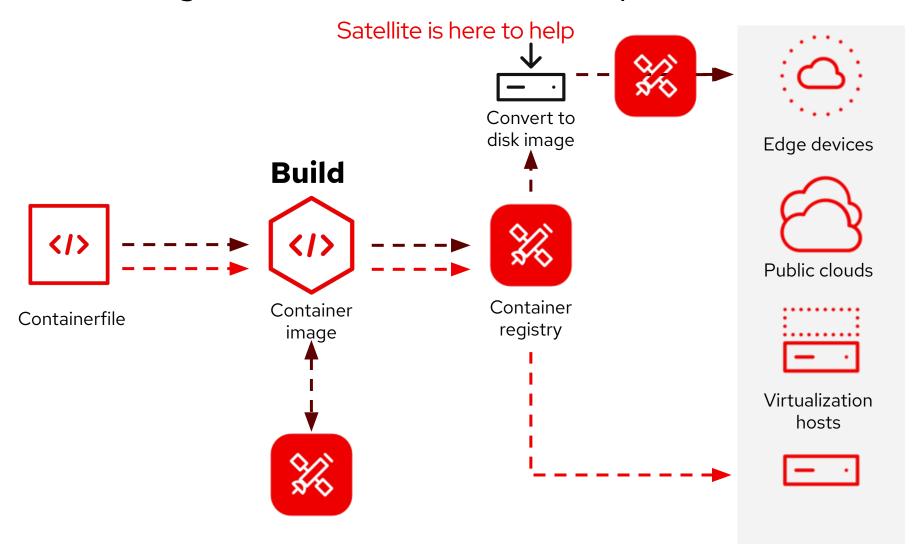




- **Register** image mode hosts
- **View** their images via the Booted Container Images page
- **Navigate** to hosts that need updates via the Hosts page
- **Inspect** hosts' specific bootc status via the Host details page
- **Manage** hosts via new bootc remote execution jobs



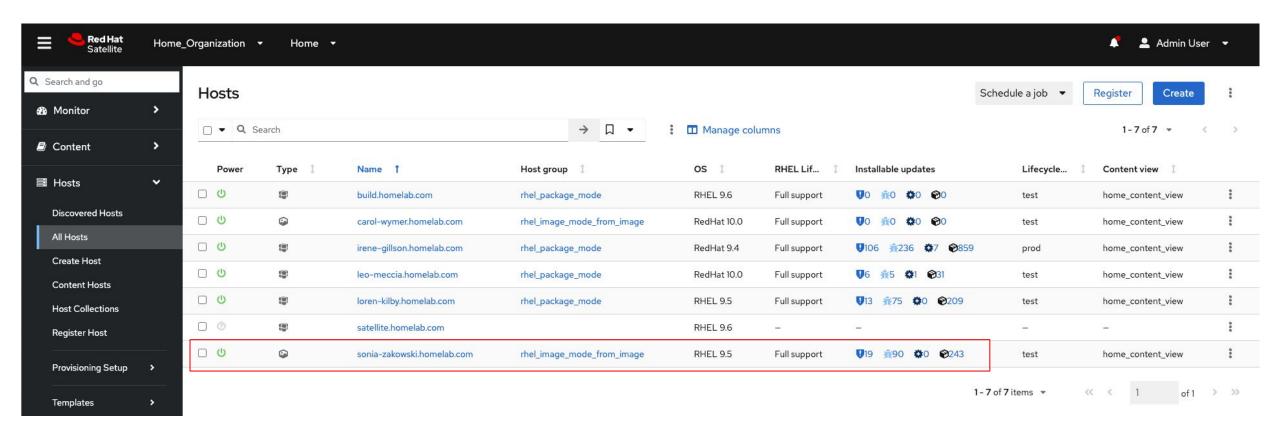
# Image mode for Red Hat Enterprise Linux



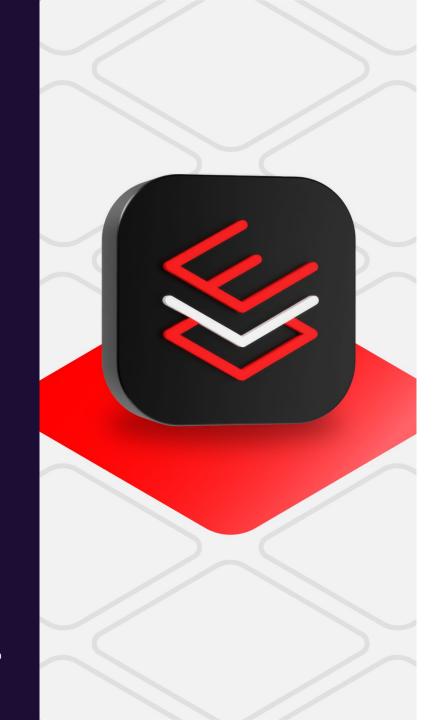


### Management overview

Same Satellite, another RHEL footprint!







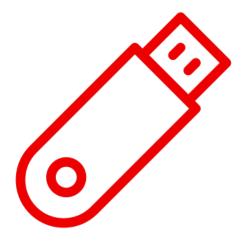
# Additional enhancements



# New Image Builder Command Line Interface

Build your Red Hat Enterprise Linux images without the need for a service

- Easier installation
- Container-friendly
- Daemonless
- Easier to integrate into CI/CD workflows



# Red Hat Offline Knowledge Portal

Now available with a Satellite subscription. A secure, offline version of our expert knowledge and product contents. Wherever you go, you can take the content you need to set up, run, and diagnose our products. And it's light enough to run at the edge! Meet the devs and get hands on demos at the Experience Zone.









Contains the content you need to set up, run, and diagnose our products:

- Product documentation
- Knowledgebase
- CVEs (content)
- Errata (content)
- Product Lifecycles
- Security Data API
- Pages from the Customer Portal
- Search Interface for All Content

Built for intentional disconnection or intervals of low or no bandwidth:

- Desktop at a work site that is air-gapped for security
- Closed circuit network on a ship at sea
- Phone at a remote cell tower
- Consulting firm laptop for client site visits without WiFi
- A Red Hat certification exam room

RHOKP is a single image appliance that is:

- Total is 7GB in size
- Runnable with Podman
- OpenShift ready

# 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.

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