Connect and secure Red Hat Enterprise Linux

to meet your business and cloud infrastructure needs

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Senior Solutions Architect
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Your car can tell you all sorts of things...





Vehicle Information



Truck

Model: FORD F-150

IN:

Odometer: 13,520

View Full Report

Open Field Service Actions

Notice #	Description	
21B10	POWERTRAIN CONTROL MODULE REPROGRAM FOR CAM PHASER RATTLE	
21N08	PCM REPROGRAM DUE TO ENGINE SHUDDER	
Additional information is available for your vehicle.		View Full Report



Oil Life Remaining: 68% ****

ok

Estimated Date to Next Oil Change: Jul, 2022

Estimated Distance Remaining: 6200 MI



Powertrain

OF





Restraints & Driver Assistance



Checks, Fluids & Filters



Scheduled Maintenance

Find your vehicle's maintenance schedule <u>here</u> anytime.

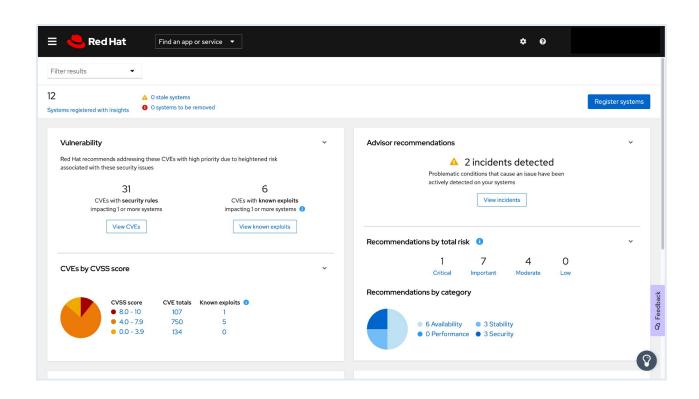
A connected car can give you more information and can inform you about known issues.

Wouldn't it be great if your Operating System could do the same?



What is Red Hat Insights?

Helping you better manage your hybrid and cloud environments







What does Red Hat Insights do?

A cloud analytics platform that helps you better manage your hybrid and cloud environments









- ► **Gathers** configuration and utilization data from your Red Hat® products
- Analyzes the data based on Red Hat knowledge and expertise
- Generates and prioritizes insights for you to take action



How does Red Hat Insights help me?

Use Red Hat's expertise and knowledge to evaluate your systems

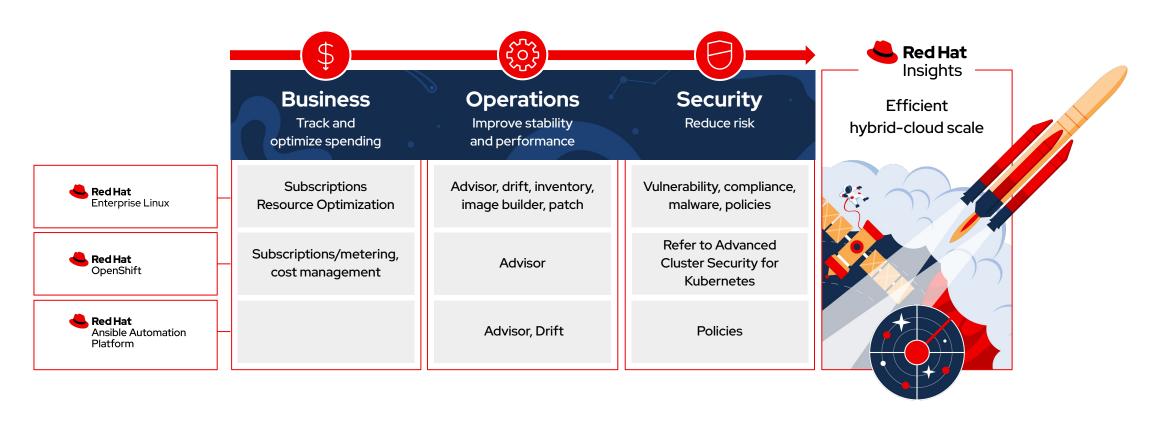


- Configuration review to make sure systems are setup correctly
- Easily identify interoperability issues from the hypervisor or cloud,
 through the OS, and through the application stack
- Centralized view of all CVEs, patches, and compliance risks
- Identify drift to make sure systems are the same
- Know how many subscriptions you are using in seconds



Red Hat Insights

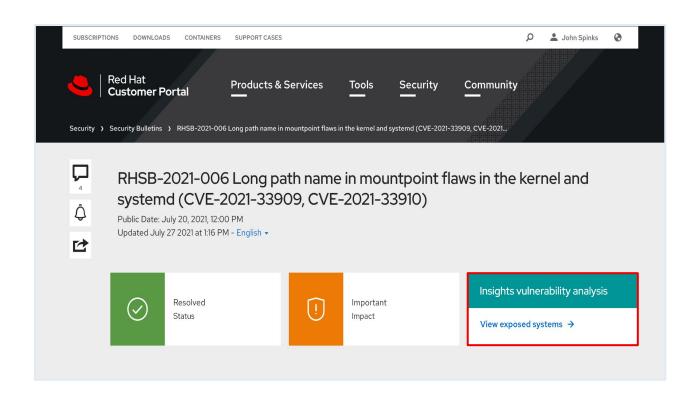
Aligning themes to services across platforms



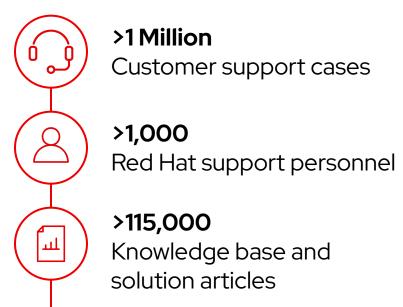


How does Red Hat Insights help me?

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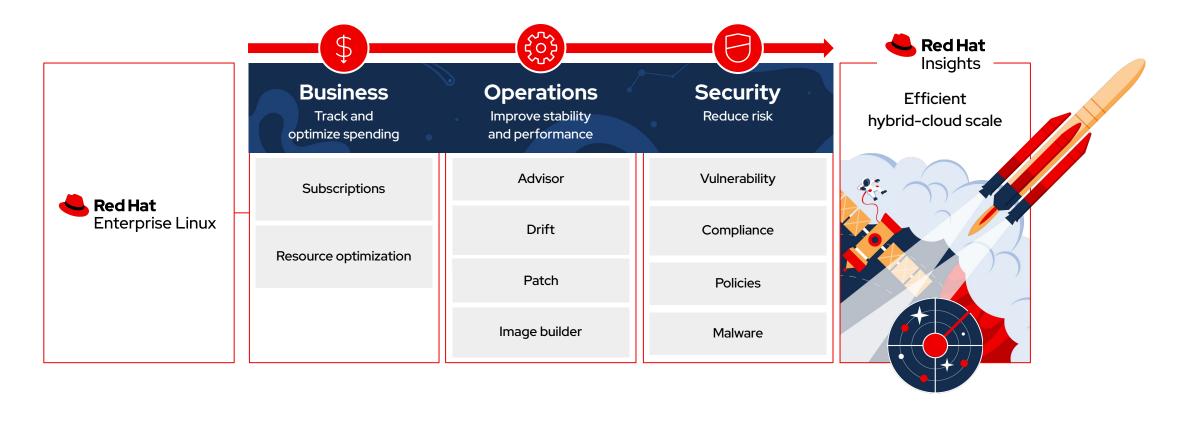
Red Hat subscriptions include knowledge of:



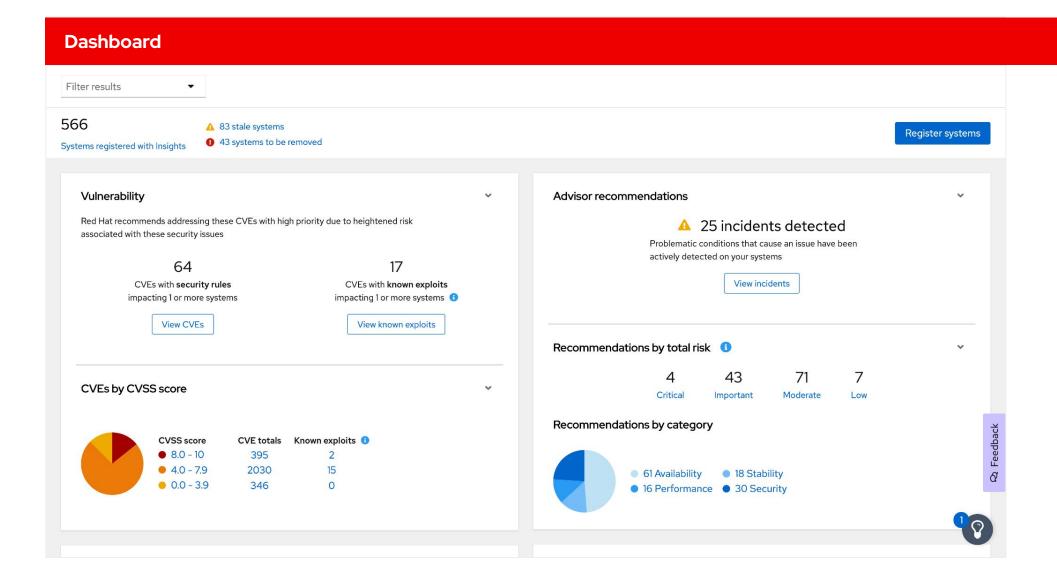




For all your hybrid-cloud challenges

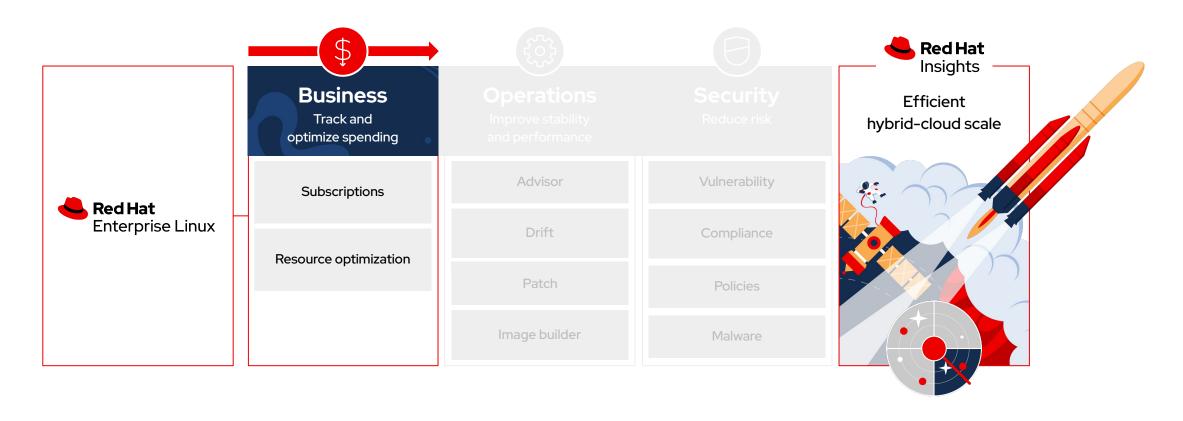








For all your hybrid-cloud challenges





Subscriptions

Simple, immediate understanding of your account wide hybrid-cloud Red Hat Enterprise Linux subscription profile

- Account level view of subscription utilization
- Aggregated host level reporting
- Where subscriptions are being consumed
 - physical, virtual, or in the public cloud (and which public cloud)

What's New - Q2 2022:

- Current subscriptions tab
- Activation keys visible from
 Red Hat connector dashboard
- Data export via CSV or JSON
- Auto-registration for GCP



Subscriptions: Awareness of subscription utilization across your entire Red Hat Enterprise Linux estate CPU socket usage Daily **▼** 50 40 April 16 Public cloud 30 ■ Virtualized RHEL 5 20 Physical RHEL Apr 2 Apr 7 Apr 12 Apr 17 Apr 22 Apr 27 May 2 Physical RHEL Subscription threshold ■ Virtualized RHEL Public cloud Current subscriptions Current systems Q 1-88 of 88 -Filter by name Name 1 Type 1 Subscribed sockets 1 Last seen | Public cloud AWS 19 hours ago Public cloud AWS 19 hours ago Virtual 19 hours ago Public cloud AWS 19 hours ago Public cloud AWS 19 hours ago

Virtual





19 hours ago

Resource Optimization

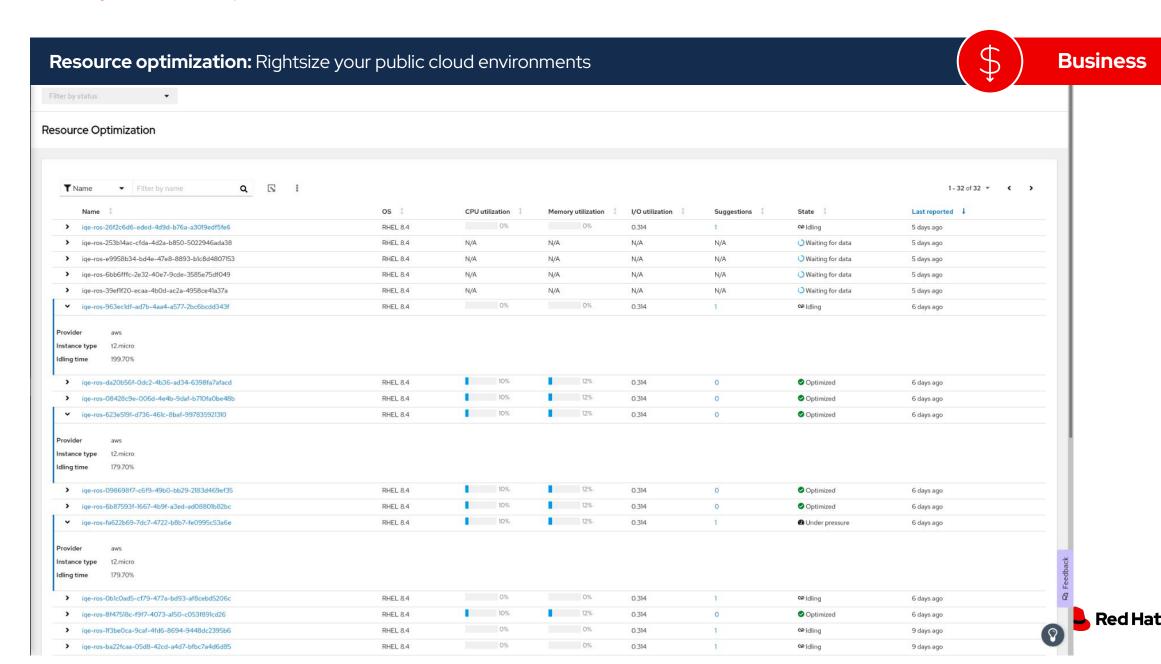
Helping you to rightsize your public cloud environments

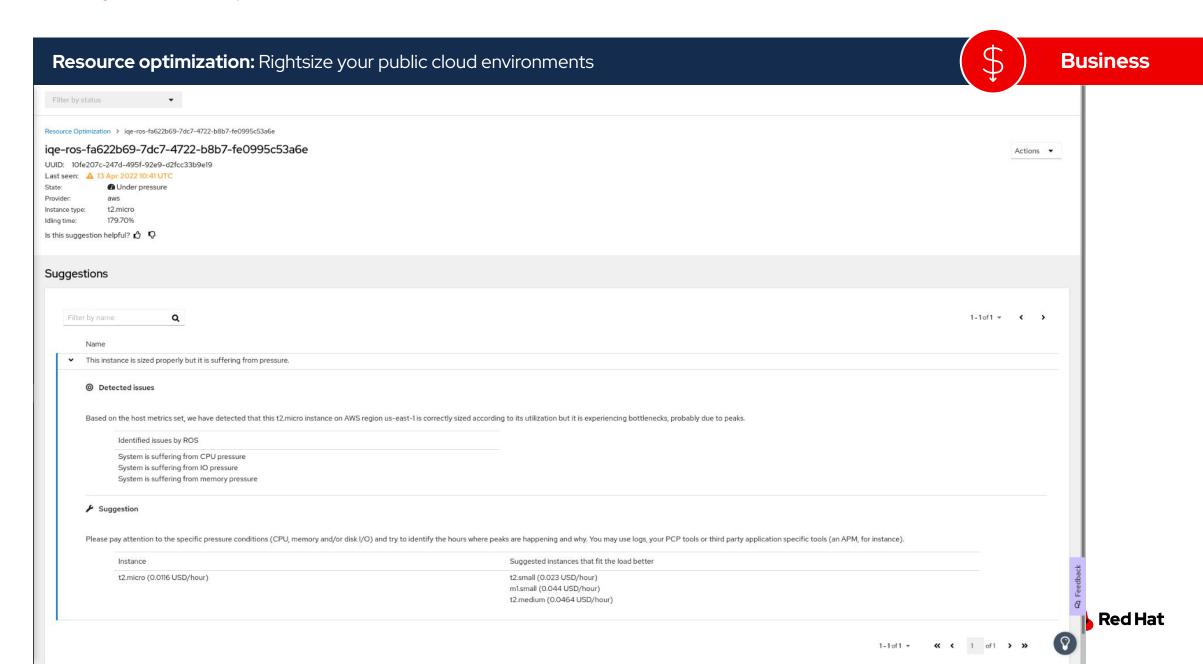
- Uses RHEL Performance CoPilot (PCP) to monitor system CPU, Memory, and I/O.
- Over a 24 hour period aggregates and scores each metric
- Presents a score for each metric and defines if the system is considered
 - Optimized
 - Undersized
 - Oversized
 - Under pressure
 - Idling

What's New - Q2 2022:

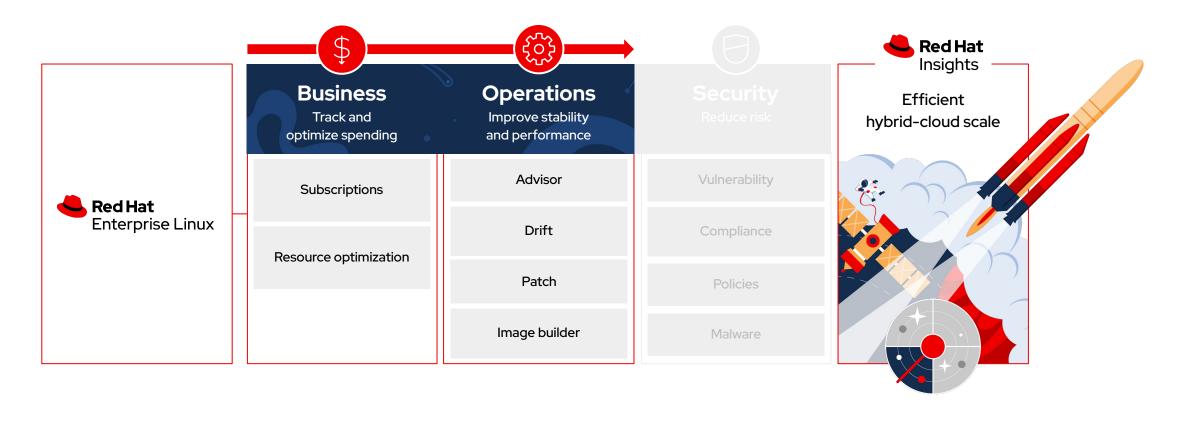
- Historical data (45 days)
- Reports
- Ul enhancements







For all your hybrid-cloud challenges





Advisor

Identifies availability, performance, stability, and security risks

- Analyzes Insights data to provide recommendations
- These recommendations cover everything from the physical layer up to the application layer.
- Provides predictive findings and prescriptive information on how to resolve.
- Automate remediation via Ansible Automation playbooks

What's New - Q2 2022:

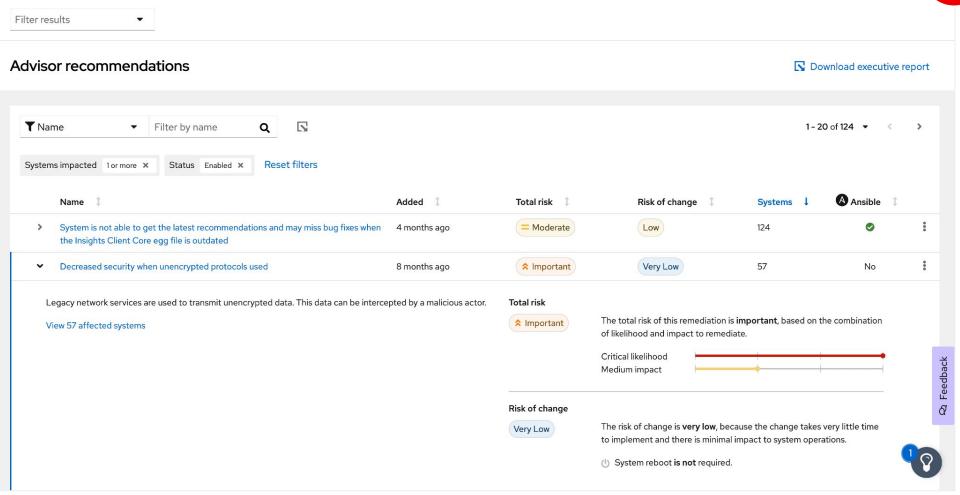
- New topic for DB2
- Recommendation impact date
- Updated recommendation events
- Update recommendations for RHEL 9
- Export list of systems impacted by a recommendation



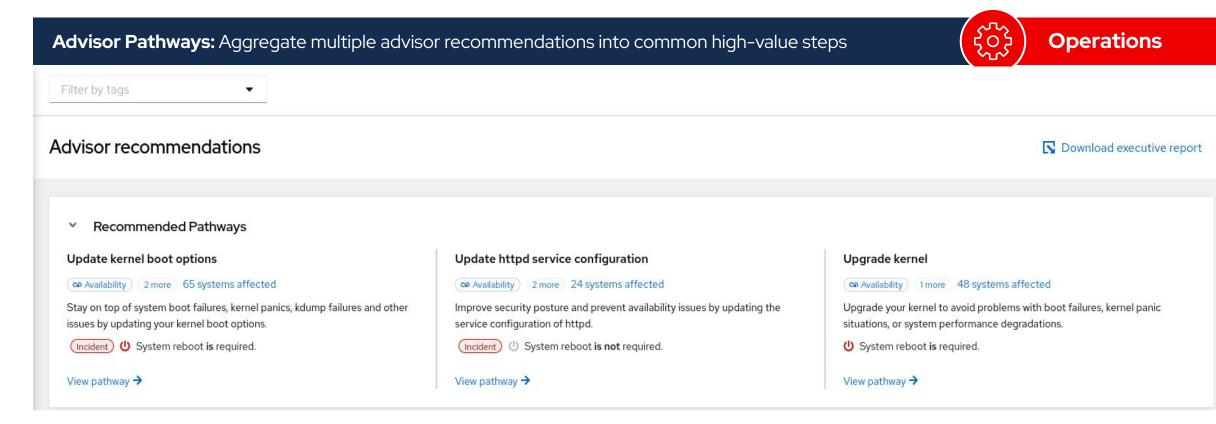
Advisor: Availability, performance, stability, and security risk analysis



Operations







- → Pathways group recommendations into actions centered around common themes and steps
- → Helps you quickly identify high-value areas to focus on remediating
- Save time & effort not having to inspect multiple recommendations individually



Drift

Compares baselines and systems to help identify configuration changes

- Create a baseline of how you expect systems to look
- Identify configuration drift by comparing systems to:
 - Baselines
 - Other systems
 - Historical system profiles
- Assign systems to a baseline and get notified if they drift from that baseline

What's New - Q2 2022:

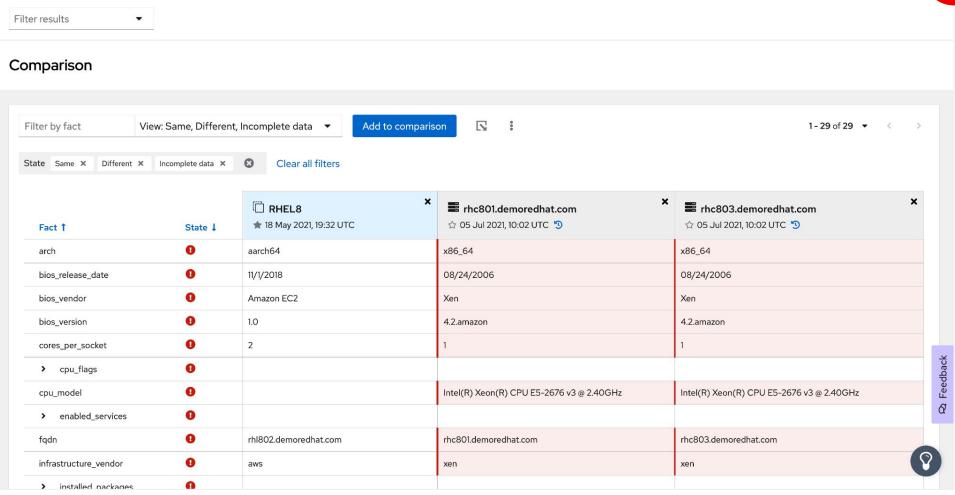
- General user experience improvements
- Minor fixes and enhancements



Drift: Create baselines and compare systems to monitor for differences as systems drift



(5)3 **Operations**





Patch

Analyze for Red Hat product advisory applicability to stay up to date

- See list of advisories and a list of systems where they need to be applied
- Look at a specific system and see what advisories are applicable
- See packages and which systems they are on as well as if an upgrade is needed
- Remediation playbooks are available to patch systems

What's New - Q2 2022:

- Patch sets (apply same patches across multiple systems)
- Reporting against patch sets
- Updates for some 3rd party repos (RHUI, Azure, EPEL)



Patch: Analyze for Red Hat product advisory applicability to stay up to date



Operations

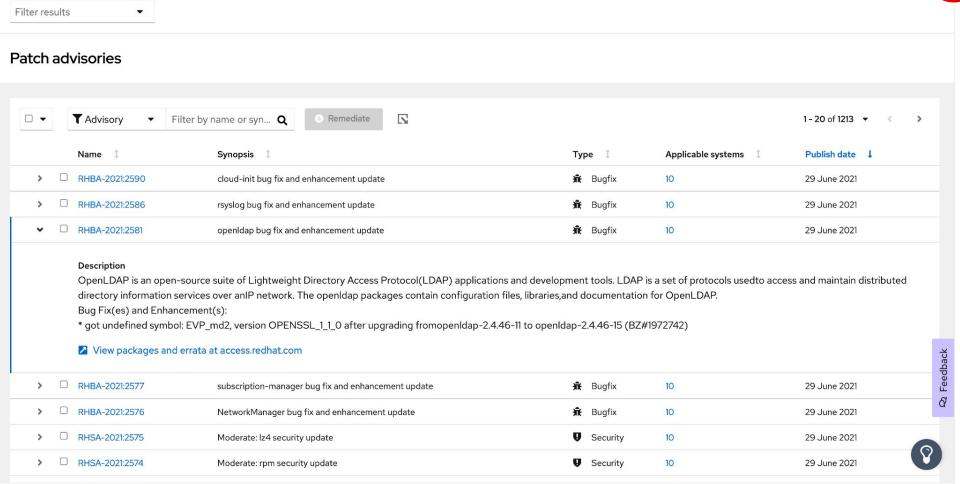


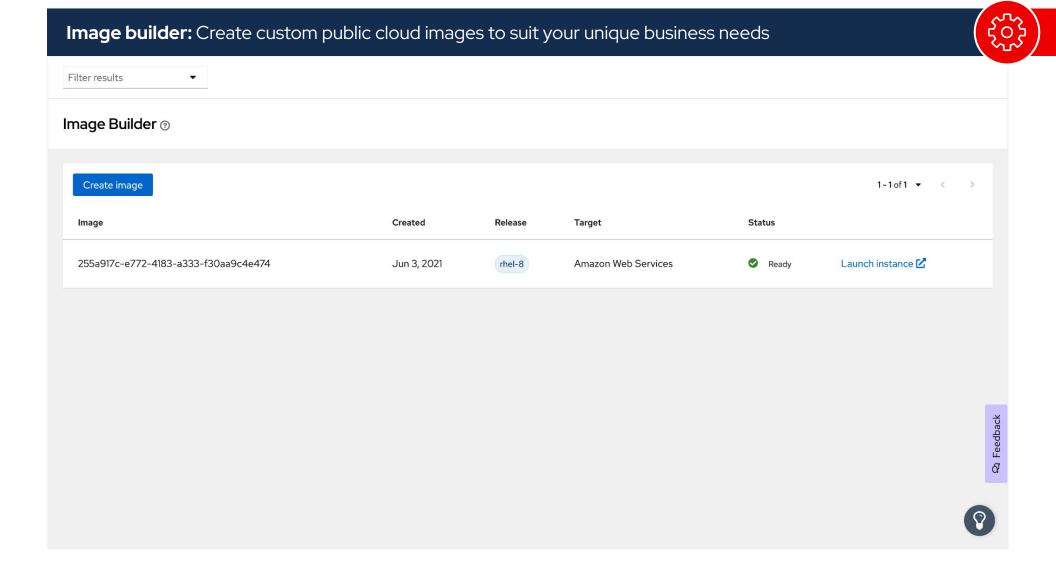


Image Builder

Create custom public cloud images to suit your unique business needs

- Create images on AWS, Azure, or Google.
- Include in the image exactly what you need.
- Copy the image from Red Hat's account over to your cloud provider account.

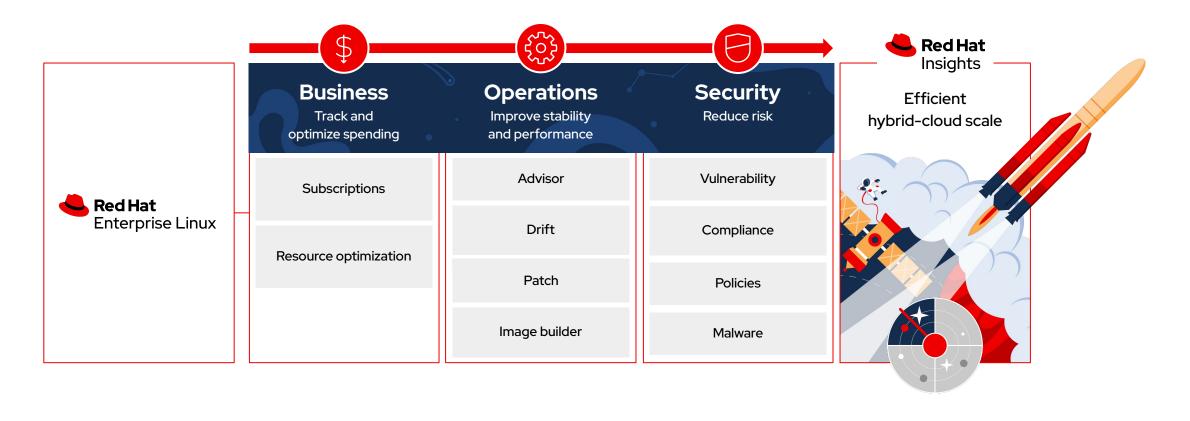






Operations

For all your hybrid-cloud challenges





Vulnerability

Remediate common vulnerabilities and exposures (CVEs)

- Triage, prioritize, and remediate CVEs that impact your registered systems
- Threat intelligence
 - CVEs with known public exploits
 - Deep threat intelligence on specific high-profile branded CVEs
- Customize and triage CVEs based on your company's definitions of risk
- Customized reporting with the right dataset based on stakeholder profile
- Automate remediation via Ansible Automation playbooks for vulnerabilities

What's New - Q2 2022:

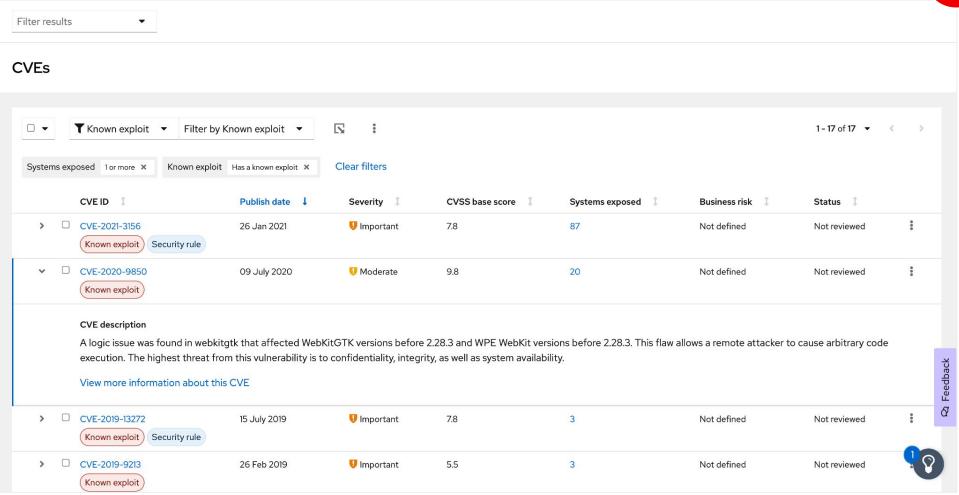
RBAC improvements



Vulnerability: Remediate all common vulnerabilities and exposures (CVEs)



Security





Compliance

Assess and monitor regulatory "compliance at scale"

- Easy to use policy creation and custom tailoring across many systems
- Compliance reports quickly highlight overall compliance level
- Highlight unsupported configs with OpenSCAP and RHEL so that you can address and get accurate reporting
- Includes remediation playbooks for many common compliance issues

What's New - Q2 2022:

Show systems not uploading in policy reports



Compliance: Assess and monitor regulatory compliance, built on OpenSCAP Filter by status Compliance > Reports > Report: PCI-DSS v3.2.1 Control Baseline for Red Hat Enterprise Linux 8 Report: PCI-DSS v3.2.1 Control Baseline for Red Hat Enterprise Linux 8 Delete report **Download PDF** PCI-DSS v3.2.1 Control Baseline for Red Hat Enterprise Linux 8 Policy details Operating system RHEL 8 1 system compliant 7% Compliant ■ 10 systems non-compliant Compliance threshold 90.0% 1 system not supported ② **Business objective** To be in compliance with all the things 2 systems never reported ? View policy ▲ 1 systems not supported ② **T** Name □ 0 selected ▼ ▼ Filter by name Q Remediate 1 - 14 of 14 🔻 Name Tags SSG version Failed rules Compliance score Last scanned dur-rhc00.hcc-lab.com **A** 0.1.57 65 Unsupported 46 minutes ago RHEL 8.1 dur-rhc03.hcc-lab.com 0 0.1.54 6 **92%** 45 minutes ago RHEL 8.4



Security

Policies

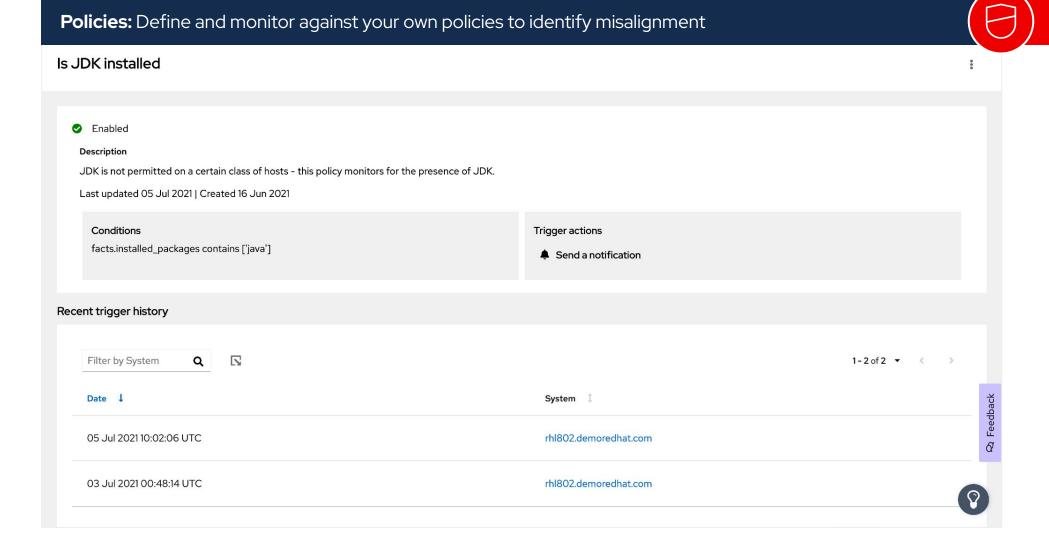
Define and monitor against your own policies to identify misalignment

- Create custom policies that suit your needs using conditional statements from gathered metadata
- Define what happens when a policy is triggered through the notification service
- See history of when the policy was triggered and by what system

What's New - Q2 2022:

Minor fixes and enhancements







Security

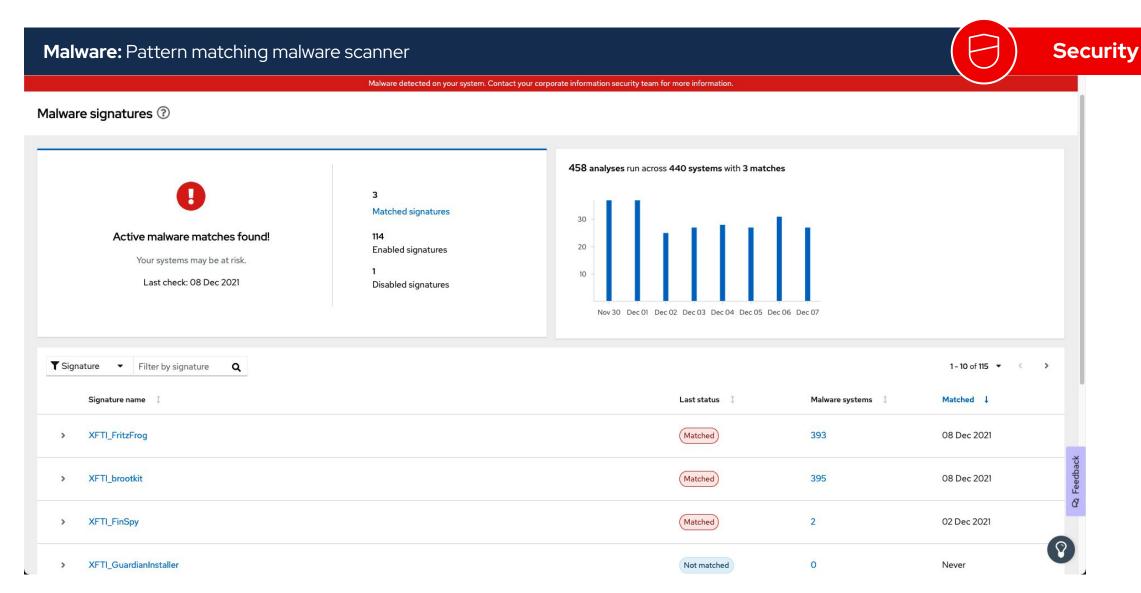
BETA Service:

Malware

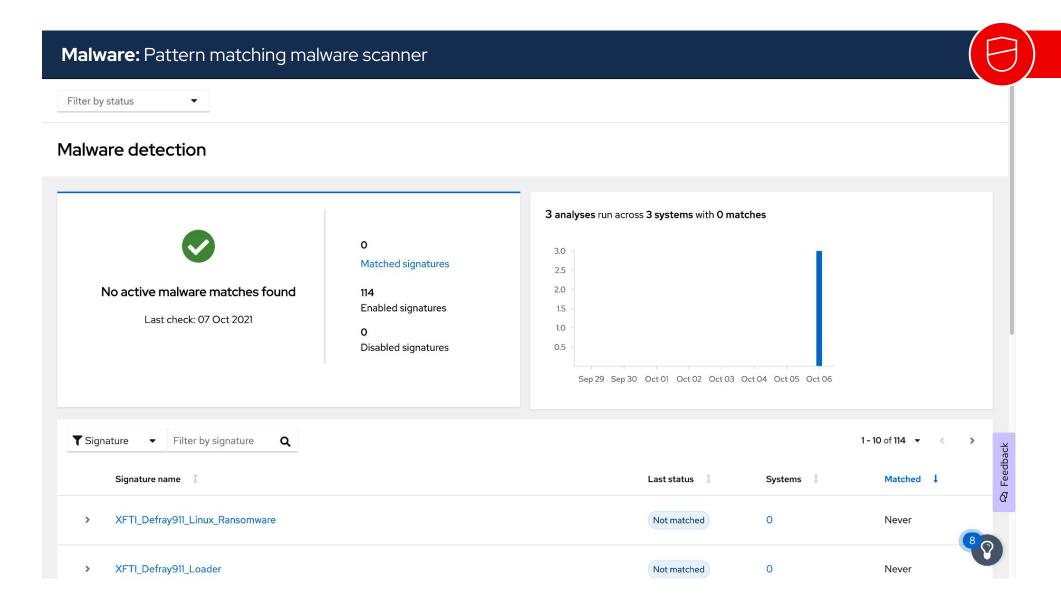
Pattern matching malware scanner

- Leverages YARA, a popular malware detection tool
- Developed along with IBM's X-Force Incident Response and Threat Intelligence Services











Security

Red Hat Insights for Red Hat Enterprise Linux

Advanced capabilities



Remote Host Configuration (RHC)

A tool for making connecting to Red Hat quick and easy

- Optional tool rhc connect
 - Connects a system to Red Hat and to Insights in one command
- Enables a direct connection between a host and Insights for remediation

What's New - Q2 2022:

- Name change from Red HatConnector to Remote HostConfiguration
- rhc single command workswith RHEL 8.6 / 9.0+
- Activation keys visible from <u>Remote Host Configurations</u> <u>dashboard</u>



Remediation

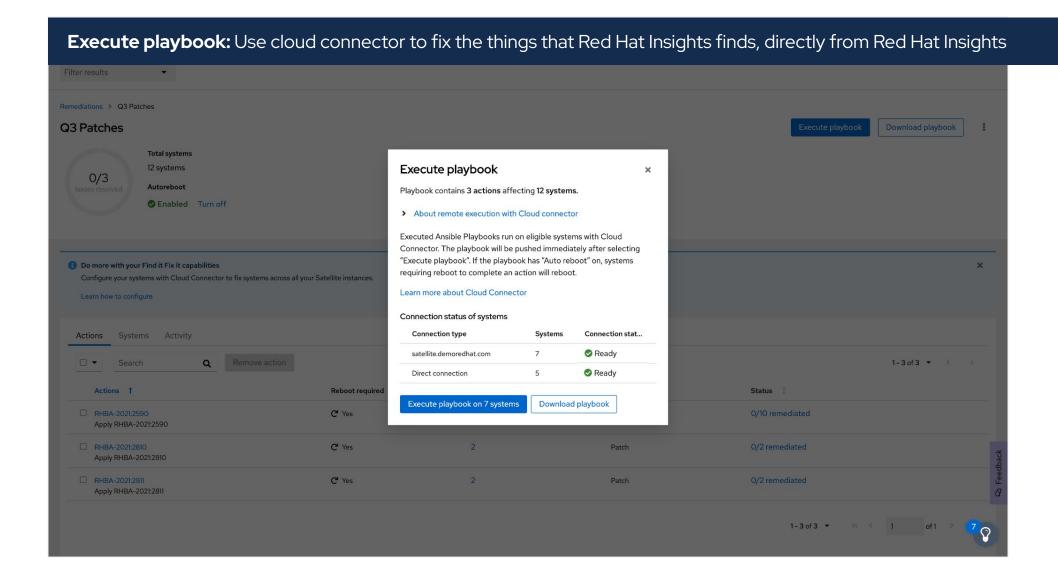
Built in playbooks for remediation provided by several Insights services

- Any Insights user can download playbooks
- Smart Management customers can execute the playbooks via Satellite or Remote Host Configuration (RHC)
- Ansible Automation Platform can sync playbooks from Insights



Remediations: Create Red Hat Ansible remediation playbooks to resolve the issues that Red Hat Insights finds • Filter results Remediations Download playbook 1-8 of 8 ▼ 〈 > Search playbooks : 0 : 0 CVE-2021-3543 glib2 patch **SUDO Fix** Last modified: 1 month ago Last modified: 20 days ago Last modified: 1 month ago Complete actions Complete actions Complete actions Systems Systems Systems **⊘**1 of 1 1 of 1 □ 1 of 1 glib2 - 206 AWS-kdump RHEL7 - RHSA-2021:1469 : 0 Last modified: 1 month ago Last modified: 2 months ago Last modified: 2 months ago Systems Complete actions Systems Complete actions Systems Complete actions **⊘**1 of 1 1 of 1 **⊘**1 of 1 SUDO_Fix rhctest Last modified: 2 months ago Last modified: 3 months ago Complete actions Systems Complete actions Systems O of 0 1 of 1







Register Systems

Guided steps to get Insights setup on Red Hat Enterprise Linux hosts

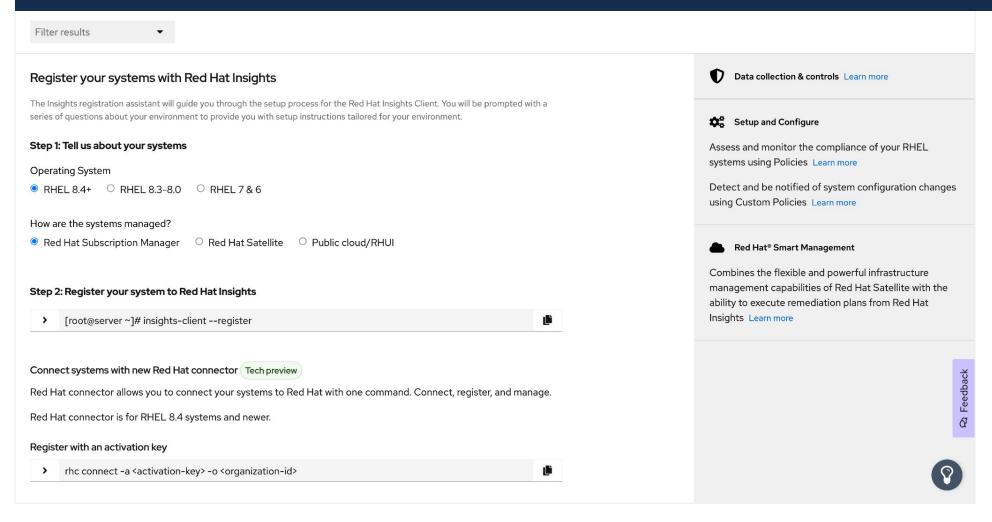
- Select your RHEL version, how the systems are managed, and how you want to configure Insights (manual or automated)
- ► Follow the on-screen directions to configure Insights

What's New!

- RHC is GA
 - Use rhc connect



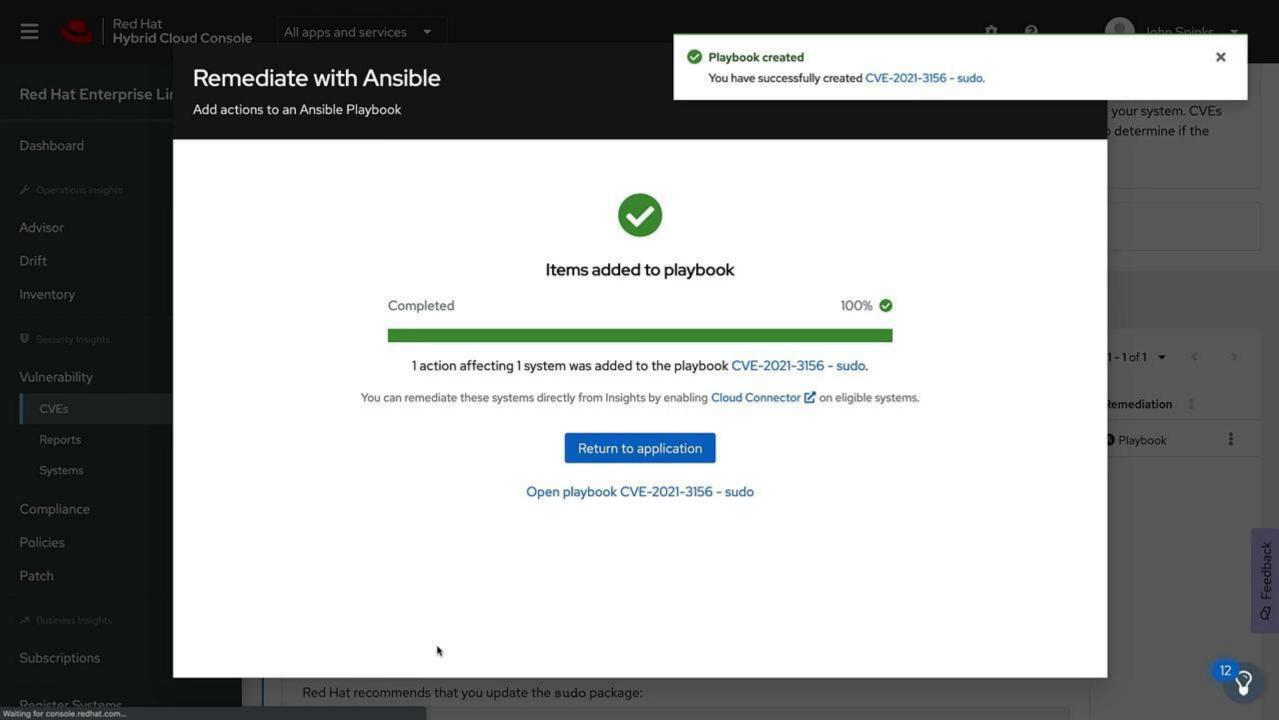
Register systems: Guided steps to get Red Hat Insights setup on all your Red Hat Enterprise Linux hosts

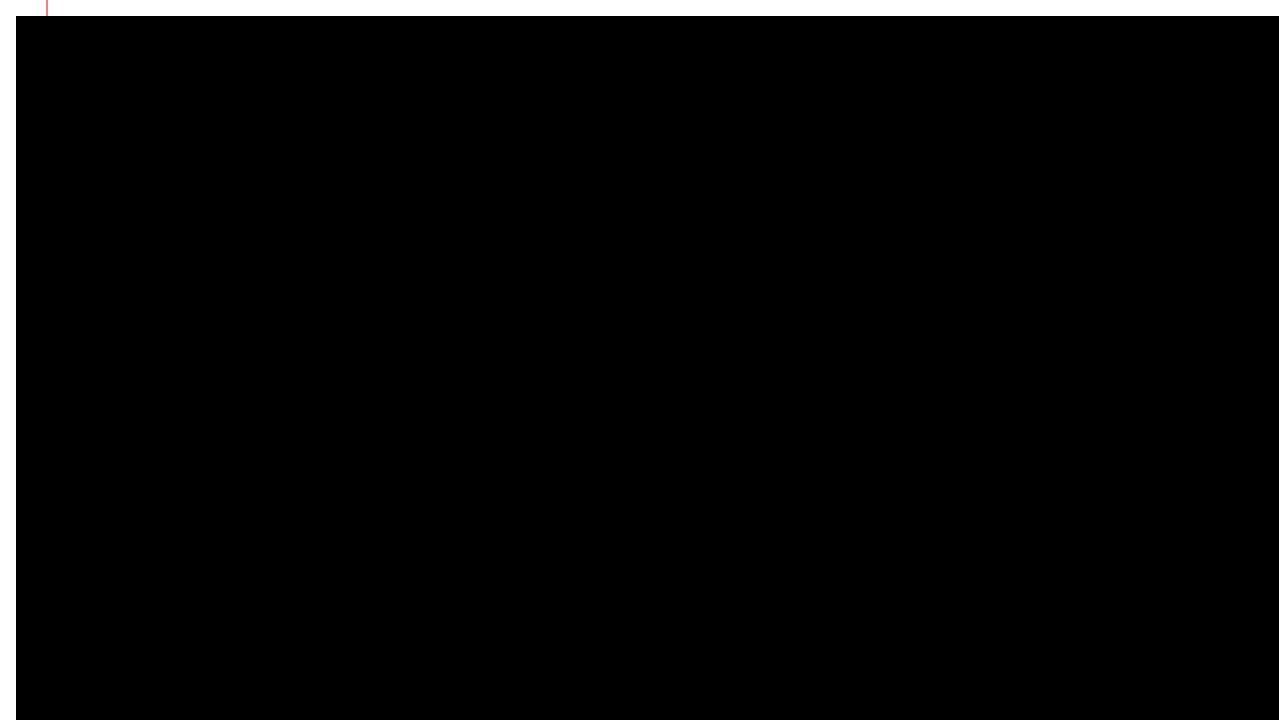




Let's see it in action...







Customer Stories

- Insights was able to immediately identify 10 issues on an Oracle RAC system that has been **plaguing a customer for 6 months.**
 - Oracle RAC systems are EXPENSIVE. Why not keep them running at optimal capacity?
- Insights identified a misconfigured network bond, but the customer didn't use bonding. It was accidentally enabled on a production server.
 Insights was able to easily fix a problem then customer didn't even know they had!
 - Is your environment is correctly configured? Has it drifted?









"It's like having another person working on the team."

John LemaySystems Engineer
Greenway Health



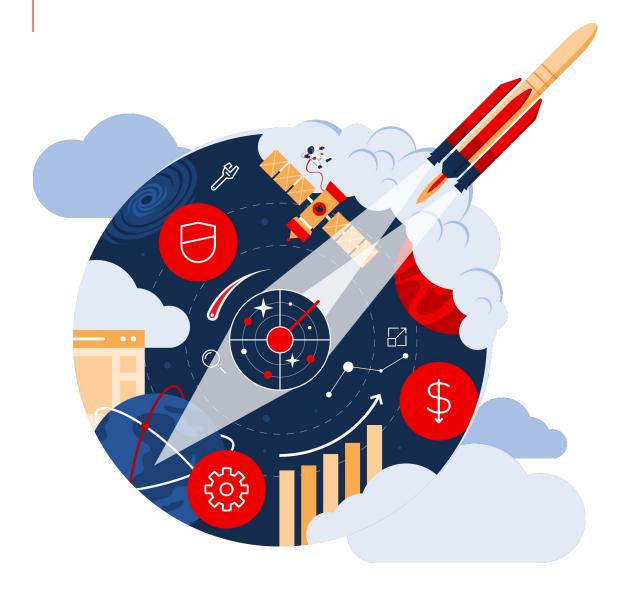


Modernized management with analytics and automation



96%	reduction in time to detect known risks to availability, performance, stability, and security
26%	reduction in administrator steps to detect these known risks
88%	less time to track patch status for all systems in environment, versus manual scripted workflow
1m 24s	to discover vulnerabilities in a 100-VM environment, versus over 15m
IIII 2 4 5	when performed manually
91%	when performed manually less task completion time to address a vulnerability





Boost your IT operations

Go to cloud.redhat.com today



Read our blog:
https://www.redhat.com/en/blog/chann
el/red-hat-insights »





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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Red Hat Insights

Gain a clear view across your Red Hat deployments

Presenter's Name

Presenter's Name

Title

Title



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This slide deck is the central repository for Insights slides.

Updates are made on this deck and propagated to other slide decks. Is is recommended to link FROM this slide deck to others so you can inherit updates.

This slide deck is NOT meant to be presented as is.

There are several versions of this slide deck linked on the next slide.

If you have feedback or slides to contribute, please make a comment in the deck or email insights@redhat.com



Related Slide Decks

These slide decks are linked to the Insights main deck (Refresh for latest):

- Insights Main Deck (all platforms and services)
- Insights for Red Hat Enterprise Linux
- Insights for Red Hat Ansible Automation Platform
- Insights for Red Hat OpenShift
- Insights for Business
- Insights for Operations
- Insights for Security



Related Slide Decks

These slide decks may not be linked, but may be of interest:

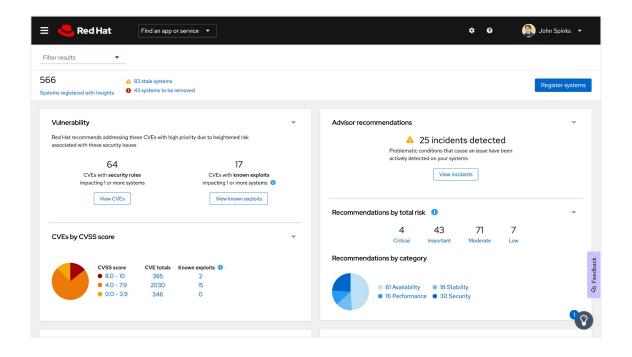
- Red Hat Insights Overview
- Insights Q2 2022 What's New
- Connect and secure Red Hat Enterprise Linux on AWS to meet your business and cloud infrastructure needs
- Insights Malware identification (by Chris Jenkins)
- <u>Techniques for Red Hat Insights in Real-World Environments</u> (by Mike Pagan) - Overcoming Objections.



Red Hat Insights What's New



What's New Highlights - Q2 2022



New services:

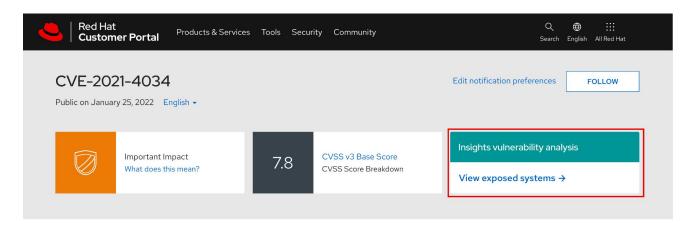
- Resource Optimization
- Malware

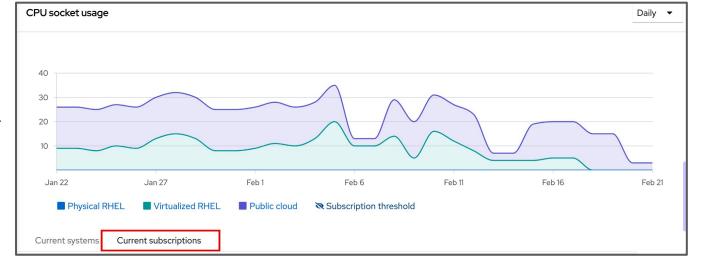
New Features:

- Advisor new topic for DB2
- Compliance show systems not uploading reports
- Patch patch sets
- Vulnerability "View exposed system link" on CVE pages - links to Vulnerability service
- ...and more!



What's New Highlights - January 2022 (Available NOW)





New services:

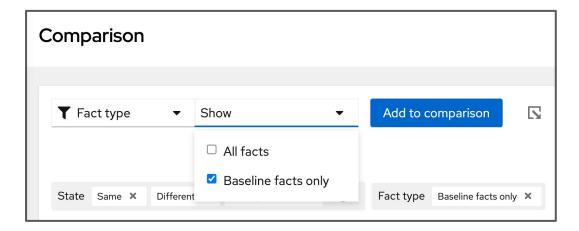
- Resource Optimization (GA Jan 17)
- Malware (Public Beta)

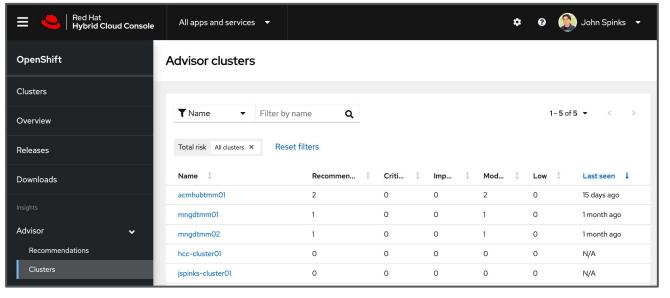
New Features:

- Inventory Sorting by RHEL version
- Advisor Disabled recommendations listed in weekly email
- Drift Dashboard widget, UI enhancements
- Vulnerability "View exposed system link" on
 CVE pages links to Vulnerability service
- Subscriptions Current subscriptions tab



What's New Highlights - February 2022 (Available NOW)





New Features for RHEL:

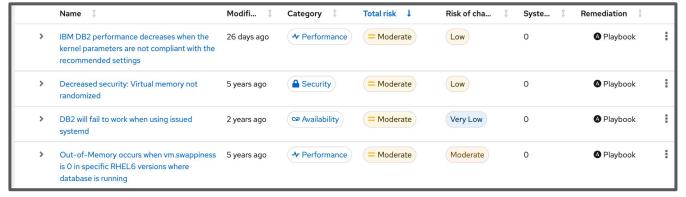
- Compliance Only able to add supported OS versions to a policy
- Drift Filter by baseline facts
- Drift New troubleshooting icons
- Malware Satellite as a proxy supported
- Vulnerability granular RBAC permissions

New Features for OpenShift:

- Workload fingerprinting
- Advisor updated UI
- Cost Management OCP on GCP



What's New Highlights - March 2022 (Available NOW)



Compliance > Reports > Report: PCI-DSS v3.2.1 Control Baseline for Red Hat Enterprise Linux 8 Report: PCI-DSS v3.2.1 Control Baseline for Red Hat Enterprise Linux 8 **Download PDF** Delete report PCI-DSS v3.2.1 Control Baseline for Red Hat Enterprise Linux 8 Policy details Operating system RHEL 8 1 system compliant 9% 10 systems non-compliant 90.0% Compliance threshold 1 system not supported ? **Business objective** To be in compliance with all the things 2 systems never reported ② View policy * Overall compliance score includes only supported, reporting systems ▲ 1 systems not supported ②

New Features for RHEL:

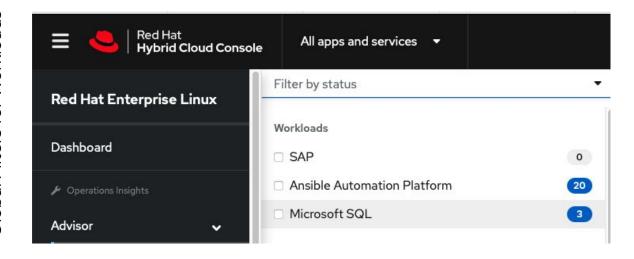
- Advisor IBM DB2 and Power recommendations
- Vulnerability support for tag filtering
- Compliance Show systems assigned to a policy, but not reporting
- Policies AAP facts are not listed
- Patch Support for Azure Hybrid Benefit and other Azure marketplace systems

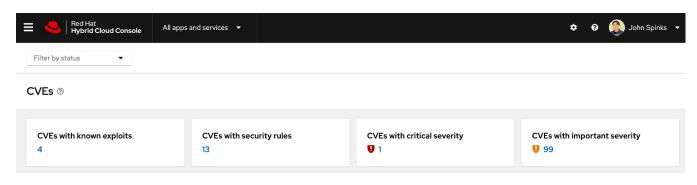
New Features for Ansible:

Reports - New preview functionality



What's New Highlights - April 2022 (Available NOW)





New Features for RHEL:

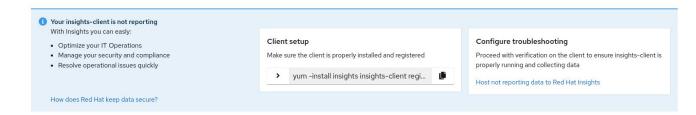
- Integration with Splunk in private beta
- Global filtration for SAP, SQL, and Ansible
 Automation Platform
- Vulnerability CVE List dashbar
- Patch BETA Patch Sets now available for beta testing
- Notifications RBAC groups can now be set as recipients of notifications.

New Features for Ansible:

Ansible Analytics and Insights services are splitRed Hat

What's New Highlights - May 2022 (Available NOW)

Data collectors				
	Name	Status	Last upload	
>	insights-client	Active	02 Jun 2022 15:15 UTC	
>	subscription-manager	Active	02 Jun 2022 00:53 UTC	
	Satellite/Discovery	N/A	N/A	



New Features for RHEL:

- Added Inventory detail for "data collector"
- Added call to action banner for hosts not registered with insights-client
- Advisor Appstream EOL alerts
- Resource Optimization added historical data 45 days
- Resource Optimization System list report

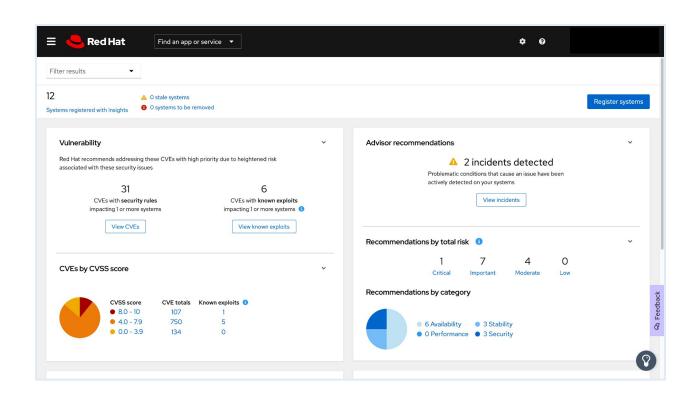
New Features for OpenShift:

More health checks added - now 202 internal checks, 76 external ones, and 28 on container storage

••• Red Hat

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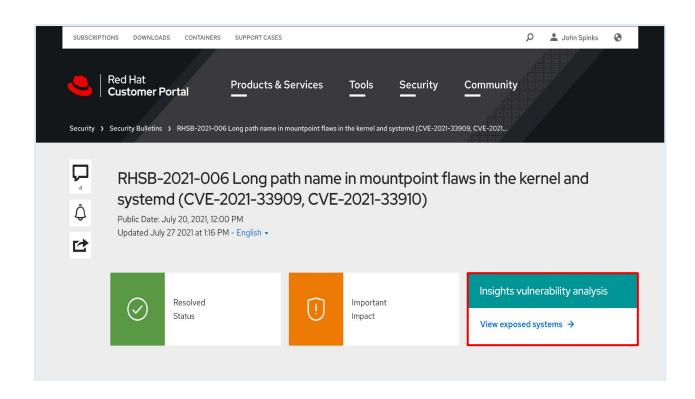


- ► **Gathers** configuration and utilization data from your Red Hat® products
- Analyzes the data based on Red Hat knowledge and expertise
- Generates and prioritizes insights for you to take action

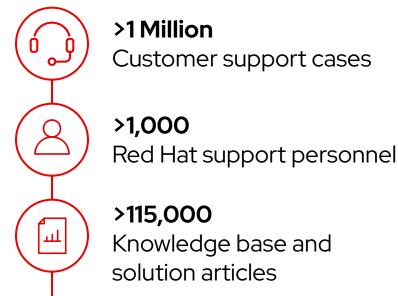


How does Red Hat Insights help me?

Use Red Hat's expertise and knowledge to evaluate your systems



Red Hat subscriptions include knowledge of:





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- Configuration review to make sure systems are setup correctly
- Easily identify interoperability issues from the hypervisor or cloud,
 through the OS, and through the application stack
- Centralized view of all CVEs, patches, and compliance risks
- Identify drift to make sure systems are the same
- Know how many subscriptions you are using in seconds



How does it benefit my business?



Understand

Clearly understand your security risk profile



Plan

Stay ahead of critical operational issues



Reduce

Time to find and resolve issues from hours to minutes



Innovate

Free up resources to focus on innovation and new capabilities



Modernized management with analytics and automation



96%	reduction in time to detect known risks to availability, performance, stability, and security
26%	reduction in administrator steps to detect these known risks
88%	less time to track patch status for all systems in environment, versus manual scripted workflow
1m 24s	to discover vulnerabilities in a 100-VM environment, versus over 15m
IIII 2 4 5	when performed manually
91%	when performed manually less task completion time to address a vulnerability









Business

Track and optimize spending



Operations

Improve stability and performance



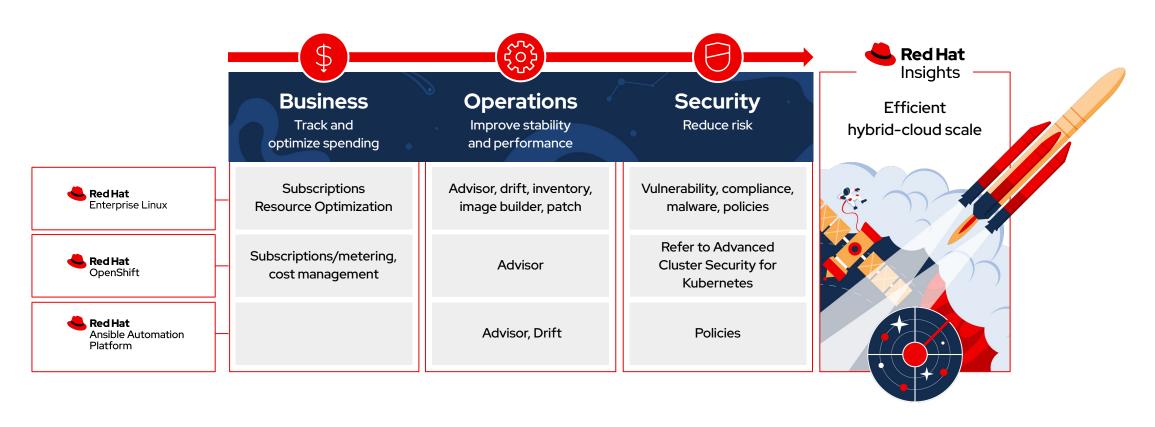
Security

Reduce risk



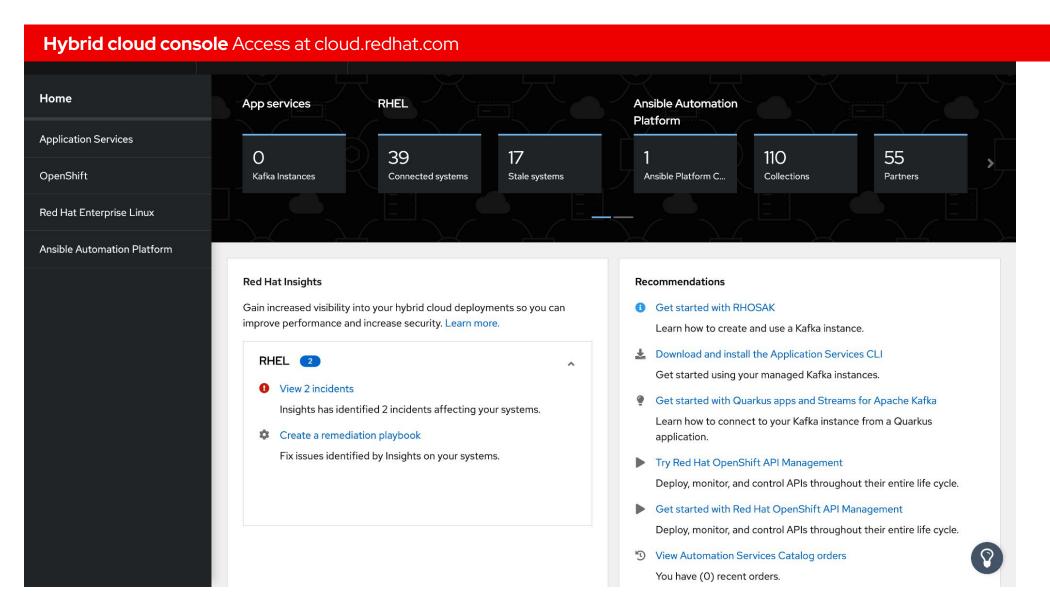
Red Hat Insights

Aligning themes to services across platforms





Red Hat Insights



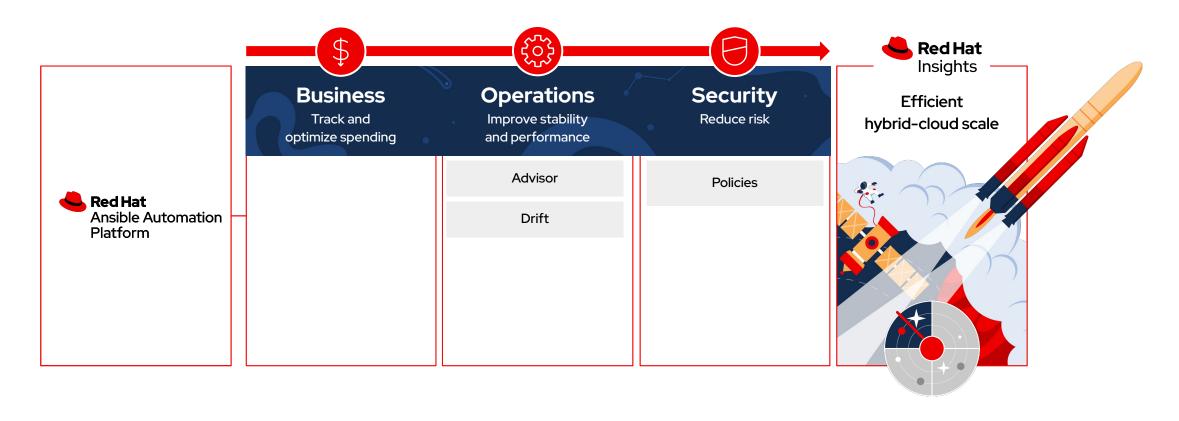


Red Hat Insights for Red Hat Ansible Automation Platform



Red Hat Insights for Red Hat Ansible Automation Platform

For all your hybrid-cloud challenges





Advisor

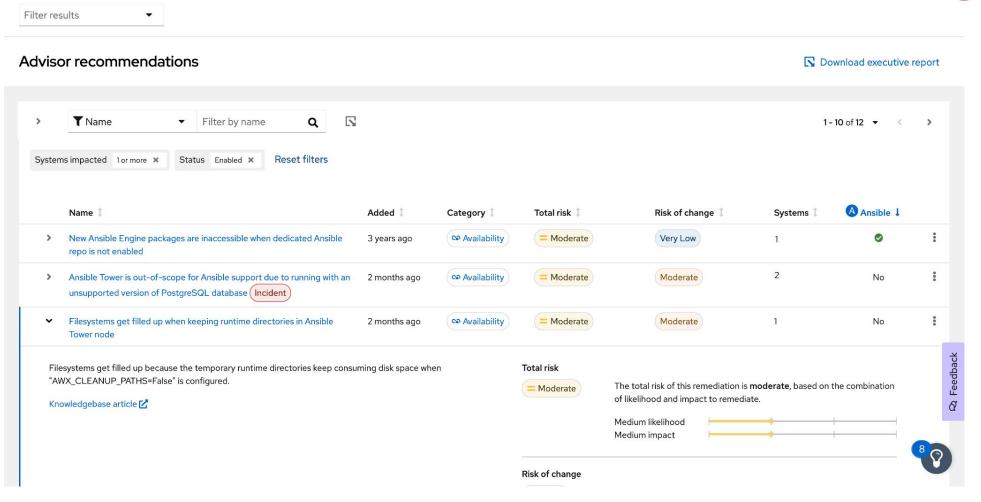
Analyzes your automation controller deployments for issues with:

- Availability
- Performance
- Stability
- Security
- Automate remediation via Ansible Automation playbooks



Advisor: Availability, performance, stability, and security risk analysis







Drift

Lets you compare systems and created baselines to identify:

- Differences from a baseline
- Differences from other systems
- Differences from historical system profiles

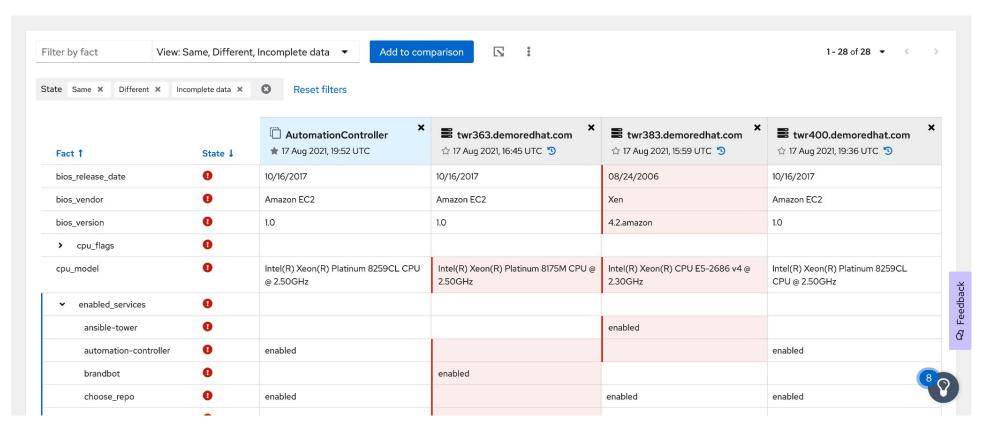


Drift: Create baselines and compare systems to monitor for differences as systems drift



Filter results	•

Comparison





Policies

Define and monitor against your own policies to identify misalignment

- Create custom policies that suit your needs using conditional statements from gathered metadata
- Define what happens when a policy is triggered through the notification service
- See history of when the policy was triggered and by what system



18 Aug 2021 19:16:07 UTC

Policies: Define and monitor against your own policies to identify misalignment



Security

Policies > Tower Upgrade **Tower Upgrade** Enabled Notify is a system is running the ansible-tower service. If so, this system should be targeted for upgrade to automation controller Last updated 18 Aug 2021 | Created 18 Aug 2021 Conditions Trigger actions facts.enabled_services contains ['ansible-tower'] Send a notification Recent trigger history Filter by System 5 1-1 of 1 ▼ 〈 > Date | System 1

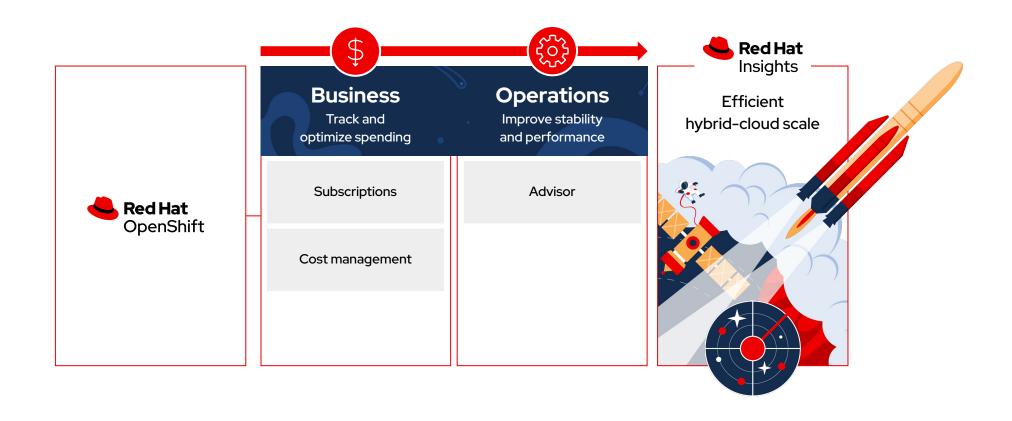
twr383.demoredhat.com



Red Hat Insights for Red Hat OpenShift



Overview of Red Hat Insights services for Red Hat OpenShift





Subscriptions

Frictionless cluster scaling & account-level visibility of multi-cluster usage

- Account level view of subscription utilization
- Automatic utilization reporting for connected clusters.
- Simple cluster and multi-cluster scaling

What's New - Q2 2022:

Improved reporting for OpenShift Container Platform



Subscriptions: Awareness of subscription utilization across your entire estate **OpenShift Container Platform** Take a tour Monitor your OpenShift Container Platform usage for both Annual and On-Demand subscriptions. Learn more about Subscriptions reporting 🔀 Filter by SLA ▼ On-Demand subscriptions ¹ 0 core hours used This month ▼ Annual subscriptions 6 Daily ▼ Cores ▼ 4K 3K 2K 1K Jul 1 Jul 6 Jul 11 Jul 16 Jul 21 Jul 26 Jul 31 Jun 6 Jun 11 Jun 16 Jun 21 Jun 26 Jul 1 Jul 6 Core hours Subscription threshold Current systems Current systems Filter by name 1-100 of 473 ▼ 〈 > Filter by name Name Last seen ↓ f5078cce-0fb6-4afe-bfbf-05b349edbee4 16 15 hours ago



Business

Cost Management

Helps you visualize and distribute Red Hat OpenShift costs into meaningful items.

- Cost visibility
- Cost allocation
- Change developers and operator behaviours

On premise, on clouds, on demand, or multicluster..



Cost management: Show how resources contribute to costs Cost Management Overview ② OpenShift Infrastructure Perspective All ▼ All OpenShift cost 1-6 July Top clusters Top projects \$6,677.65 openshift-kube-apiserver \$1,480.28 (22.17%) All OpenShift cumulative cost comparison (\$USD) ▼ openshift-monitoring \$1,242.51 (18.61%) openshift-etcd \$510.39 (7.64%) 72 Others \$3,444.48 (51.58%) All Projects Cost (1-6 Jul) Infrastructure cost (1-30 Jun) Infrastructure cost (1-31 Jul) Cost (1-30 Jun) Cost forecast (6-31 Jul) Infrastructure forecast (1-31 Jul)



Business

Advisor

Identifies availability, performance, stability, and security risk analysis

- Analyzes Remote Health data (Insights + Telemetry) data to provide recommendations
- These recommendations cover the infrastructure and service layers of OpenShift.
- Provides predictive findings and prescriptive information on how to resolve.
- Integrates with Notifications, OpenShift Web Console and Advanced Cluster Manager

What's New - Q2 2022:

- New Advisor user interface
- Integrations with OpenShift Web
 Console and Advanced Cluster
 Management (ACM)

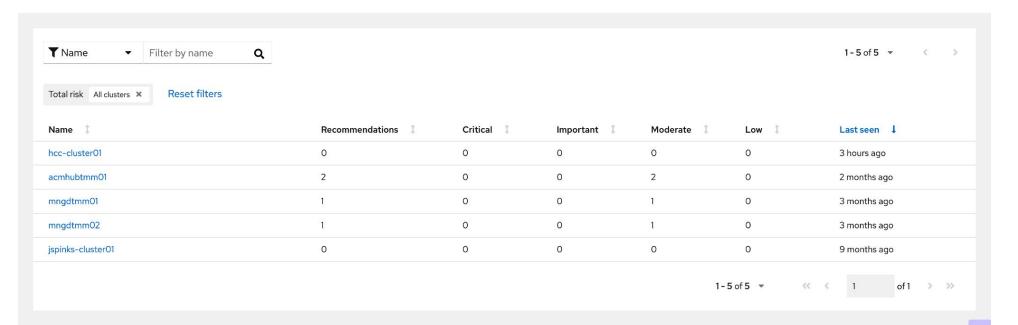


Advisor: Availability, performance, stability, and security risk analysis



Operations

Advisor clusters





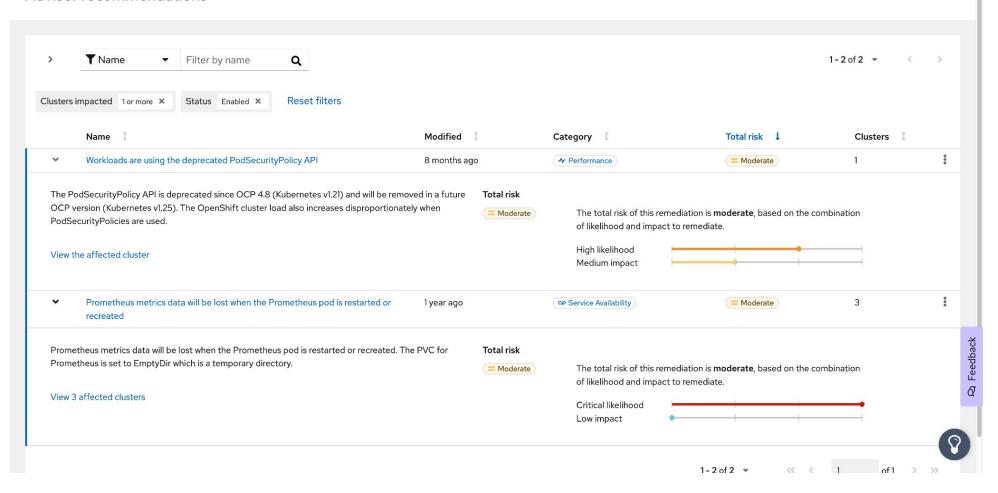


Advisor: Availability, performance, stability, and security risk analysis



Operations

Advisor recommendations





Hybrid Cloud Console Settings

Insights is hosted on the Hybrid Cloud Console



My User Access

Simple View of your permissions to Hybrid Cloud Console services

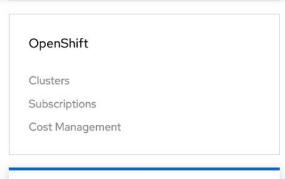
Shows your roles and permissions to all services

What's New - Q2 2022:



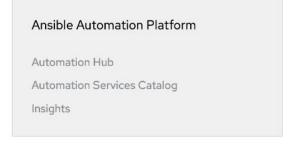
My User Access

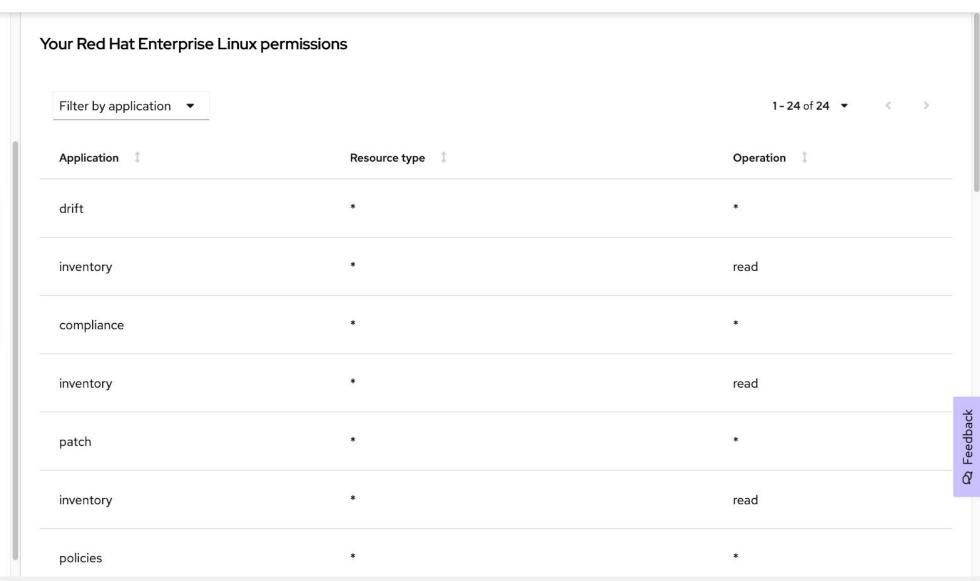
Select applications to view your personal permissions.





Not subscribed





User Access

Role Based Access Control (RBAC) for the Hybrid Cloud Console

- Visibility into users on your account (Read only)
- View and create roles
- View and create groups.
- Assign users to groups

What's New - Q2 2022:

- Default admin access group
- Notifications integration



Red Hat **Hybrid Cloud Console**

□ ▼ Fill	er by name Q	Create group				1-5 of 5 ▼	< >
Name ‡			Roles	Members	Last modified 1		
Default acce	ss ?		16	All	19 May 2021		
Default adm	n access		0	0	11 days ago		9 9
□ Limited Acce	ess Group		2	1	52 minutes ago		:
□ TMM_Admin	_Group		38	17	23 Feb 2022		
□ Viewer Grou	p		13	1	23 Feb 2022		:
					1-5 of 5 ▼	1 of 1 >	»
							C

Sources

Sources are how we connect with public cloud providers and other services or tools to collect information.

- Connect to a cloud provider to enable
 - OpenShift Cost Management
 - · RHEL Management
- Depending on the cloud provider this may also
 - Unlock gold images
 - Enable auto registration
 - · Allow for more granular tracking of subscription utilization

What's New - Q2 2022:

- Notifications integration
- Satellite 6.11 Cloud Connector improvements
- RHEL Management for GCP (already supported for Azure and AWS)



Sources

Cloud sources

Red Hat sources

I connected to cloud. Now what?

Gold images

Connecting to Amazon Web Services or Microsoft Azure unlocks automatic access to Red Hat gold images. View gold images in your provider console.

Use Red Hat gold images on AWS

Use Red Hat gold images on Microsoft Azure

Learn more about Red Hat gold images →

Explore Red Hat Insights

Use RHEL instances in the cloud and gain other value-add services, such as predictive analytics.

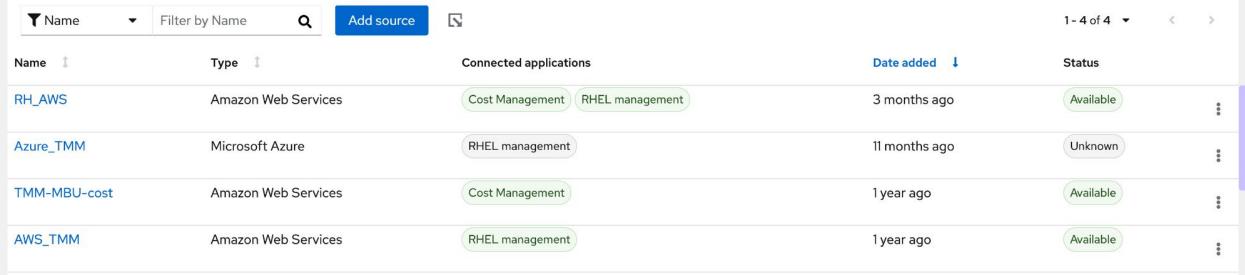
Learn more about Red Hat Insights

Enable additional Insights services >

Use the Subscriptions service to monitor account-level summaries of your Red Hat subscription profile.

Learn more about Subscriptions

Go to Subscriptions >



Integrations

Integrate third party services with Hybrid Cloud Console

- Integrations can be used to create a variety of communication flows between Hybrid Cloud Console and the product(s) you use in your day-to-day operational flow
- Used in conjunction with Notifications service and Insights events
- Create, view, and edit endpoints in Integrations

Generic: Webhook

· Bespoke: Splunk

Monitor and troubleshoot from Events Log in Notifications

What's New - Q2 2022:

- New integration with Splunk
- Red Hat Insights Cheat Sheet



Integrations

	egration				1-2 of 2 •
0002	Name	Туре	Last connection attempt	Enabled	
>	Splunk - HCC Lab	Splunk	Succeeded		
>	Zapier	Webhook	Succeeded	4	

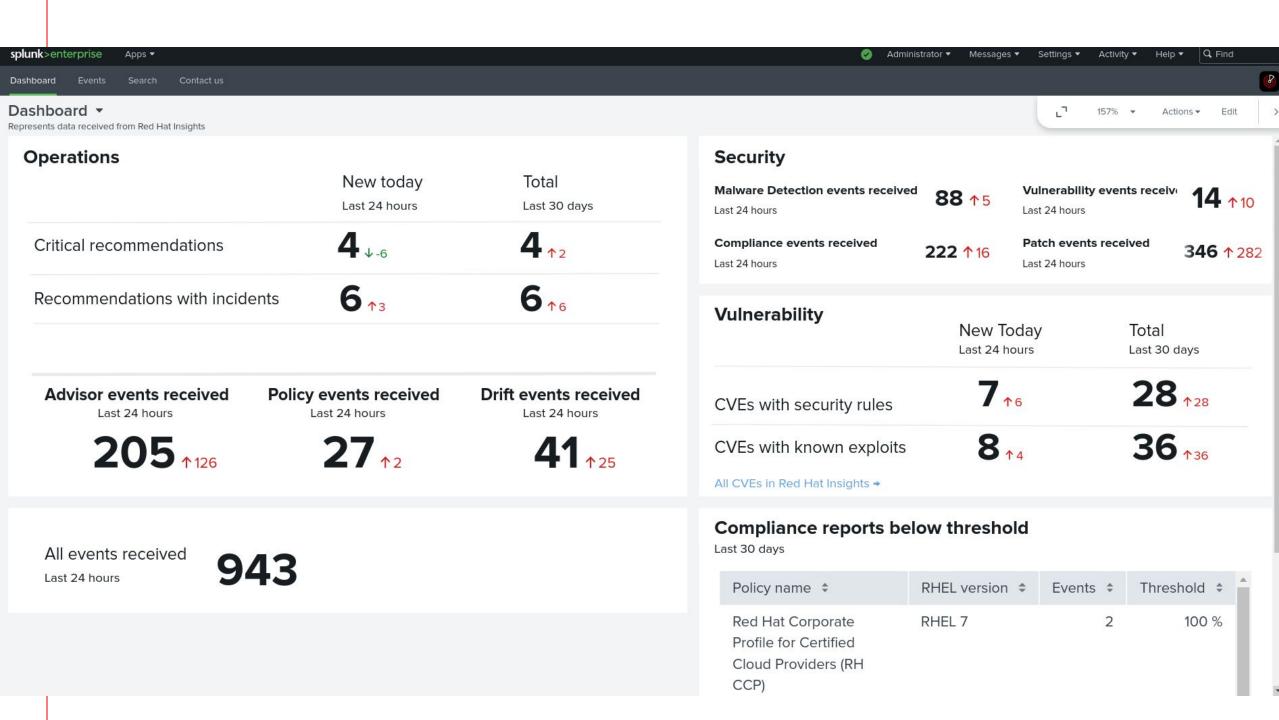
Red Hat Insights integration with Splunk

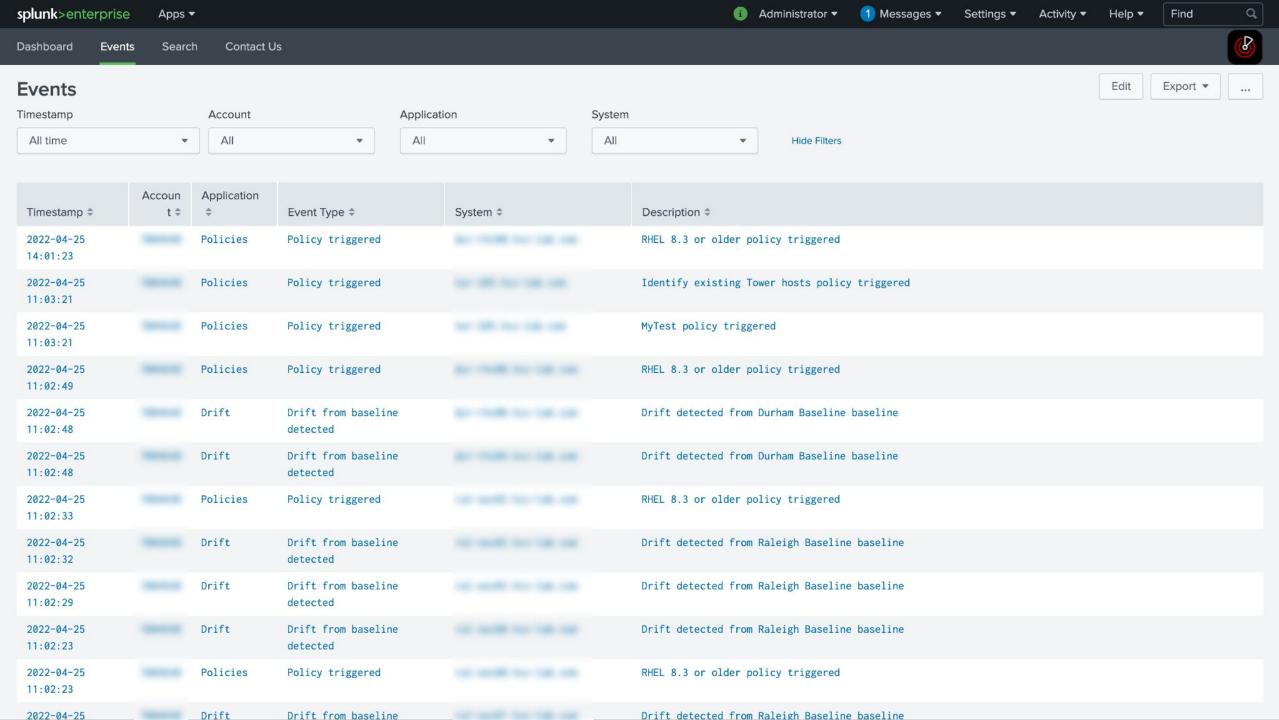
Certified for Splunk Cloud Platform and Splunk Enterprise

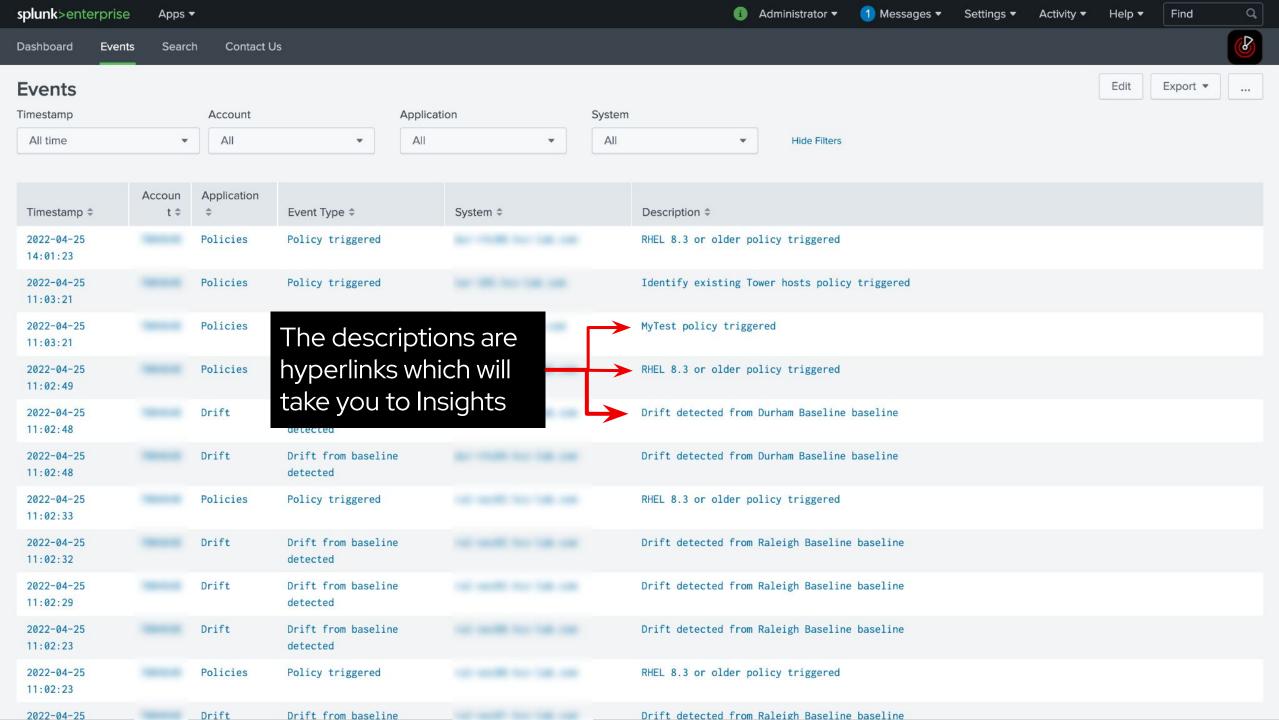
- Quickly and simply configure the forwarding of Insights events to Splunk
- Visualize and explore Insights findings with customizable dashboard and table
- Correlate Insights findings and data from other sources in Splunk
- Navigate back to Red Hat Insights from Splunk to get more details and remediations
- Embed Red Hat Insights into existing corporate tooling and processes

Access certified Red Hat Insights app on Splunkbase Marketplace









Red Hat Insights API Cheat Sheet

Query data or perform operations from any client



- Samples of common queries across applications
 - Authenticate with Insights API
 - o Interact with the inventory
 - Obtain findings identified by Insights
 - Work with various Insights applications
 - Generate and execute remediations for existing issues
 - Get notifications and integrate with third party applications
- Code examples in Python and Ansible playbooks

Download: https://developers.redhat.com/cheat-sheets/red-hat-insights-api-cheat-sheet





Notifications

Configure how notifications are sent from Hybrid Cloud Console

- Create behavior groups that determines actions and recipients
 - · Actions: send to an email or to an integration
- One or more behavior groups can be triggered when an event occurs

What's New - Q2 2022:

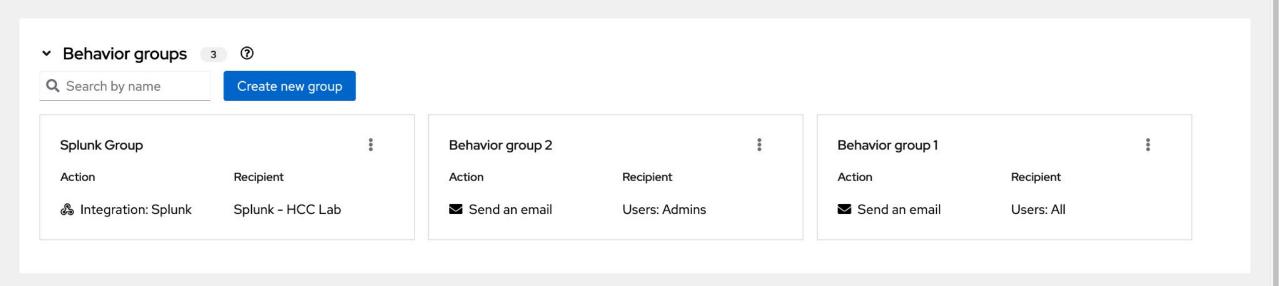


Notifications | Red Hat Enterprise Linux

View event log

& Feedback

This service allows you to configure which notifications different users within your organization will be entitled to receiving. To do this, create behavior groups and apply them to different events. Users will be able to opt-in or out of receiving authorized event notifications in their User Preferences.



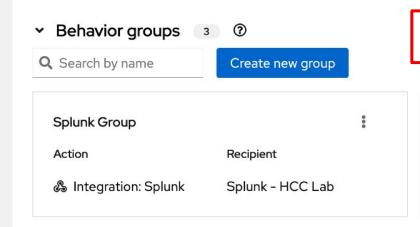
Filter by application ▼			1 - 4 of 4 🔻	<	>
Event ‡	Application ↓	Behavior			
Policy triggered	Policies	Behavior group 1, Splunk Group			
Drift from baseline detected	Drift	Behavior group 1, Splunk Group			
New recommendation	Advisor	Behavior group 1, Splunk Group			
Resolved recommendation	Advisor	Behavior group 2, Splunk Group			P

Notifications | Red Hat Enterprise Linux

Hybrid Cloud Console

This service allows you to configure which notifications different users within your organization will be entitled to receiving. To do this, create behavior groups and apply them to different events. Users will be able to opt-in or out of receiving authorized event notifications in their User Preferences.

View event log



You should also know about the event log!

Behavior group 2 Action Recipient Send an email Users: Admins

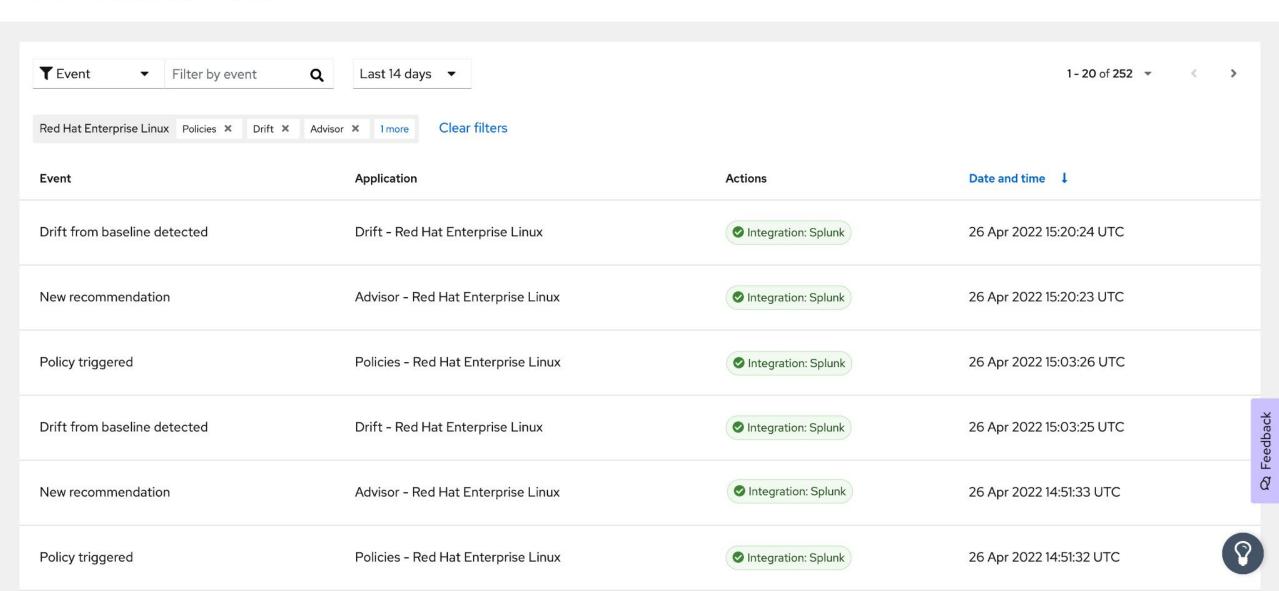
Behavior group 1 Action Recipient Send an email Users: All



View notification settings

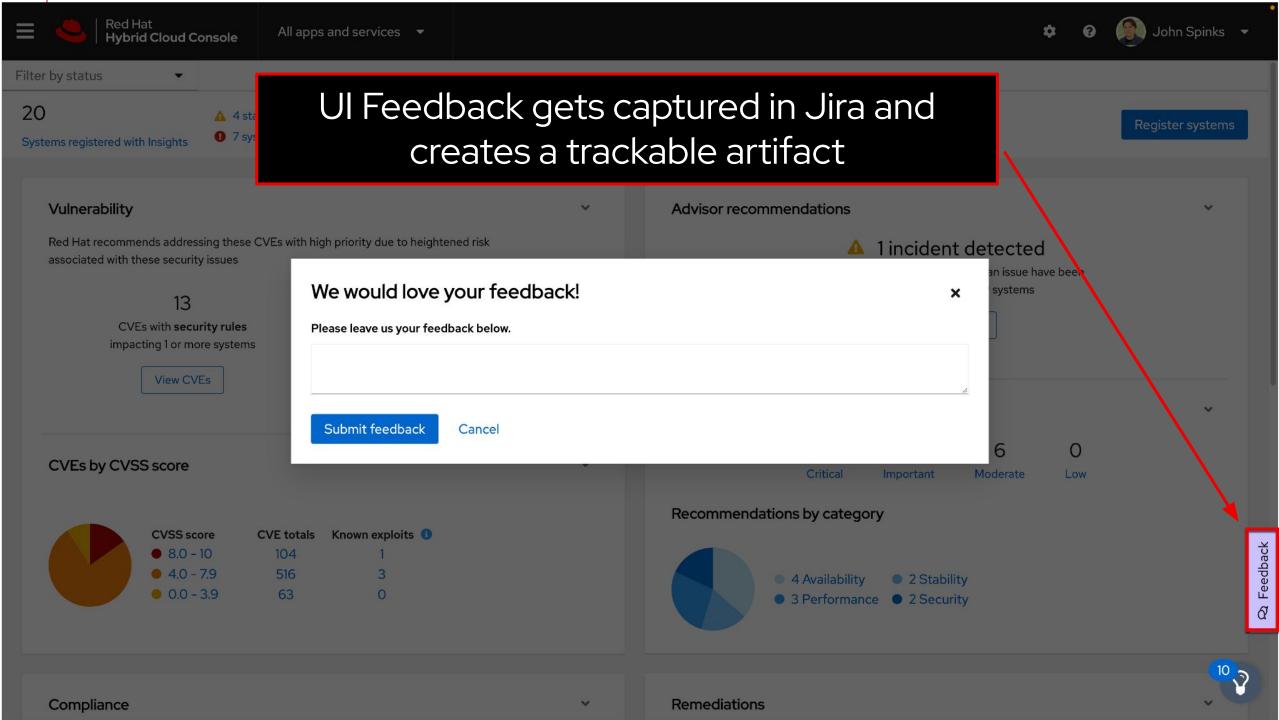
Event Log

View all the events affecting your organization



Insights Feedback





Insights Security Page

Common security questions, answered.

https://cloud.redhat.com/security/insights





Available at: https://cloud.redhat.com/security/insights



Products Solutions Services & support Resources Red Hat & open source



Products > Red Hat Insights > Red Hat Insights data and application security

Red Hat Insights data and application security

Published July 2, 2021 • 5-minute read



JUMP TO SECTION

Overview

Overview

Data privacy features

Data protection

Data collection

Red Hat® Insights is a Software-as-a-Service offering that gives users intelligence into their operating environments, helping to identify and address operational and vulnerability risks before an issue results in downtime. To provide this service, small pieces of system metadata are sent to the Red Hat Insights service for processing and analysis, during which time measures are taken to help reduce risk.



Red Hat Insights Hear from Insights users



How to use - Customer Stories

- Only pick a couple of these stories that best suits the focus of your presentation (try and use quotes from different customers).
- These are based off of a webinar we did with 3 customers, and from the webinar we created several 1-2 minute videos covering what the customers felt were key values of Insights.
- The QR code or the speaker's notes will take you to the page with the video if desired.
- Consider moving these earlier in the slide deck I often place after the "How does it benefit my business?" slide









"It's like having another person working on the team."

John LemaySystems Engineer
Greenway Health











"It's more like a force multiplier... with massive knowledge of the Red Hat ecosystem"

John T Mills
Infrastructure Architect
Graybar Electric Company











"A bridge between Red Hat's expertise and my systems"

Will Darton

Support Lead III
Navy Federal Credit Union











"[Red Hat] Insights makes things that were the 'same' actually the same"

John T Mills
Infrastructure Architect
Graybar Electric Company











"I would have never seen that without [Red Hat] Insights."

John LemaySystems Engineer
Greenway Health











"It's looking at my system through Red Hat's glasses."

Will Darton

Support Lead III
Navy Federal Credit Union











"I relied on the application team... Now I just look at [Red Hat] Insights."

John T Mills
Infrastructure Architect
Graybar Electric Company











"[Insights]...has turned out to be a pretty valuable tool"

Will Darton

Support Lead III
Navy Federal Credit Union





Red Hat Insights customers























DIRECTY

"Red Hat Insights helps us identify opportunities to enhance security and manage risks more quickly, leading to time savings for our teams and more security for our systems."

Timothy Runion Security Architect, DIRECTV

Opportunity

Multichannel video programming distributor DIRECTV is an existing user of Red Hat Enterprise Linux (RHEL). The company began using Red Hat Insights, part of the RHEL subscription, to pinpoint issues within their operating environment.

Solution

DIRECTV has deployed Red Hat Insights to thousands of systems, which provides IT teams with a faster, automated way to identify and prioritize risks within their infrastructure.

Results

- Detects vulnerabilities and monitors regulatory compliance
- Remediates risks with very little effort on an employee's behalf
- Successfully resolved a cloud performance degradation by using Red Hat Insights to identify, locate, and remediate a known configuration issue related to network interface cards



Red Hat Insights Next steps and resources



New Resources

Videos:

Overview Videos:

Red Hat Insights Overview

Webinars & Livestreams

- March 30, 2022 <u>Comprehensive awareness</u>
 and proactive solutions for government
 agencies and departments
- October 20, 2021 <u>RHEL Presents</u>
 <u>Livestream E23 Insights Vulnerability Service</u>
- November 3, 2021 <u>Level Up Hour Insights</u>
- November 4, 2021 <u>Insights for Ansible</u>
 <u>Convergence webinar</u>

Customer Success Stories

YouTube Playlist for Red Hat Insights

Blogs/ Analyst Reports / Press Releases:

Red Hat Blogs:

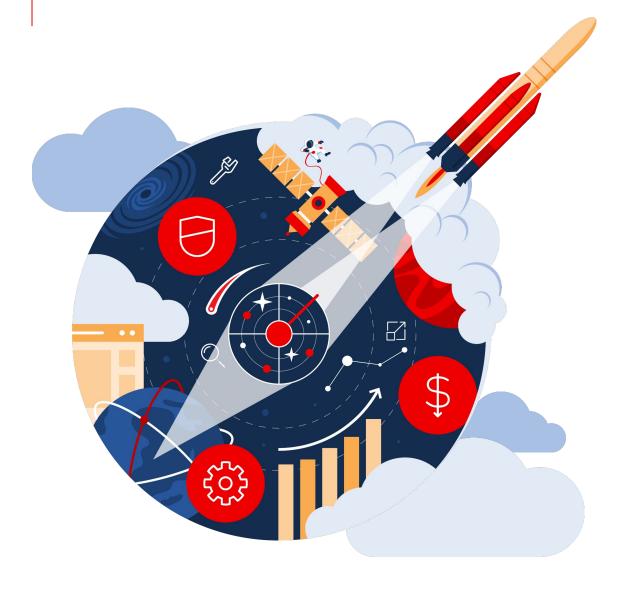
- <u>Finding and using disabled recommendations in Red Hat Insights</u>
 Advisor
- Self-healing infrastructure with Red Hat Insights and Ansible
 Automation Platform
- Red Hat Insights and the delivery of a new security recommendation
 Infographic:
 - Boost your operations with Red Hat Insights

Analyst Reports:

- Graybar Boosts IT Infrastructure Automation and Management with Red Hat Enterprise Linux
- Save administrator time and effort by activating Red Hat Insights
- Achieving Intelligent DevOpsHow Open Source Software and Linux

 Fit into Today's DevOps and Digital Business Initiatives

 Red Hat
- Red Hat Insights predictive analytics for Red Hat Enterprise Linux



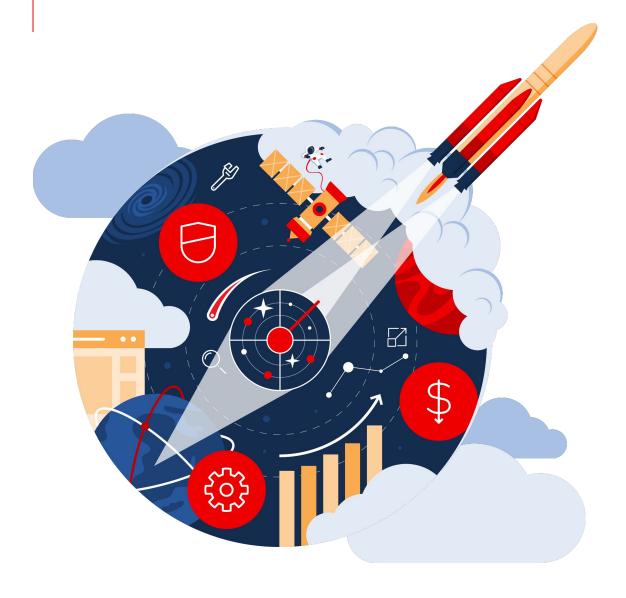
Insights at Summit:

May 10 & 11, 2022

Sessions:

- Solving cluster problems the most effective way
- Effective Red Hat Enterprise Linux management in the Cloud
- Securing and optimizing your Red Hat
 Enterprise Linux environments with Red
 Hat Insights and Ansible
- The Future of Red Hat Subscription
 Management, and how it empowers your
 Hybrid Cloud Experience [Bonus session
 - listed in the catalog on May 13]





Boost your IT operations

Go to cloud.redhat.com today

Get access to our product page: http://redhat.com/insights >>

Read our blog:
https://www.redhat.com/en/blog/channel/red-hat-insights.»

Go to Red Hat Insights: cloud.redhat.com »



Insights and Satellite

Make Red Hat content work for you



Content management matters.



Example: Interconnecting blocks Imagine each block is a piece of content



Getting the content you need is difficult and time consuming.

Insights and RHEL have access to ALL the content you are subscribed to.

You have to find what you need.



Example: Interconnecting blocks Imagine each block is a piece of content

Organized content is easier to use.

Satellite lets you organize content into content views - you see only what you need to see within that view.

Once content is organized, it is easier to build what you need - patching, provisioning, etc.





How do these products work with content?

RHEL / Insights

- Host has access to all content in the account.
- Dnf / yum update command will update to the latest version.

Smart Management / Satellite

- Host has access to specific content as part of a content view
- Only certain packages may be in the content view
- Content may be restricted to a date range, version, or other factor (latest content approved for production use)
- Dnf / yum update command will update to the latest version available as part of the content view.



Example: You need an update to python

Insights:

Scenario: The Patch service of Insights reports you need an update to python on a production system.

Result: Host gets the latest version of python when the patch is applied.

This version may or have not have been tested prior to this update.

Satellite

Scenario: Satellite reports you need an update to python on a production system.

Hosts have a content view that provides content that has been tested for use in production. This is not the latest version, but one that has been confirmed working with all enterprise applications.

Result: Host gets the tested version of python from the content view.

