



# Ask Me Anything Webinar

## What's new in Red Hat Insights for SAP and more

December 3, 2020

# What we will discuss today



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Senior Principal  
Technical Marketing Manager

- Overview
- What's New
- Demo
- Q&A

# What is Red Hat Insights?

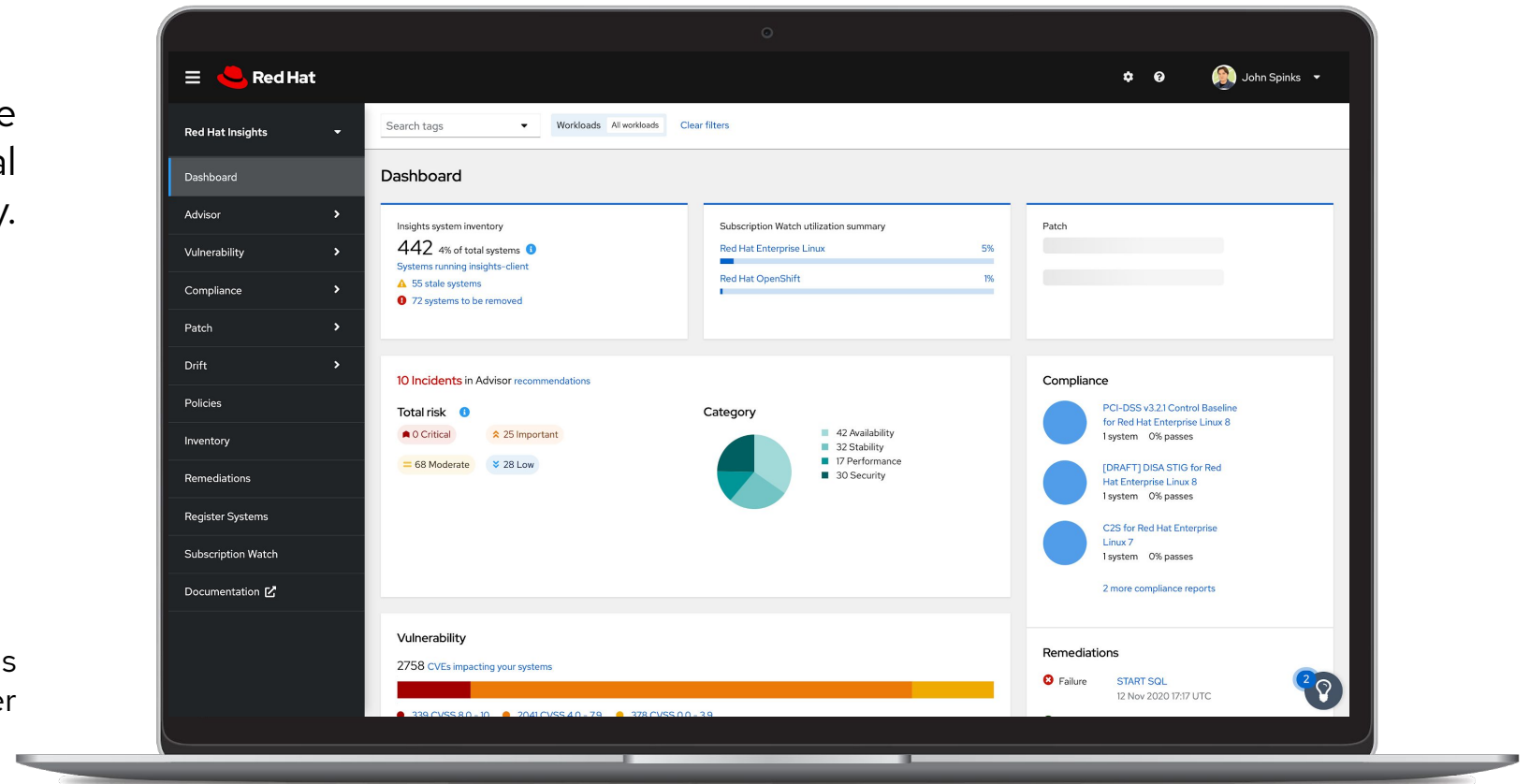
Assesses your Red Hat Enterprise Linux environment to help you **identify and remediate threats**, avoiding outages, unplanned downtime and risks to security and compliance.

# Red Hat Insights

Included with Red Hat Enterprise Linux subscription, now with more value

New and expanded services provide additional security and operational efficiency.

\*Active RHEL subscriptions versions 6.4 & higher



# Overview of Red Hat Insights services



## Advisor

Availability, performance, stability, and security risk analysis



## Vulnerability

Assess Common Vulnerabilities and Exposures (CVEs) with advisories



## Compliance

Assess and monitor compliance, built on OpenSCAP



## Subscriptions

Track progress of your Red Hat subscription usage efficiently and confidently



## Drift

Create baselines and compare system profiles



## Policies

Define and monitor against your own policies to identify misalignment



## Patch

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

**Webinars on demand for many of these areas:**

[bit.ly/insights\\_webinarlibrary](https://bit.ly/insights_webinarlibrary)

# What's New in Red Hat Insights

November 2020 Release

## Insights release theme – November 2020

New workload management features for SAP with improved ease of use and security.



**Application / Workload  
Management for SAP**



**Ease-of-Use**



**Security**

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Provide a more meaningful Insights experience by  
giving you the ability to focus on what you care about

# Application / Workload Management for SAP



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## SAP Focus

- Adds a specific view just for SAP on RHEL customers
- Auto detection and profiling of SAP workloads so that Insights identifies SAP systems for you
- Includes SAP specific recommendations, facts, and filters for a focused SAP experience
- Discovery of SAP specific facts
- SAP facts are now available and can be used across services (e.g. Drift, Policies).

Use the full value of your subscriptions

Buy

RHEL for SAP Solutions

Get



**Red Hat**  
Insights



**Red Hat**  
Smart Management

Manage, automate, and optimize your IT



### Red Hat Insights

Identify and remediate configuration issues in your Red Hat® environments.

[Dashboard](#)[Patch](#)

### Red Hat OpenShift Cluster Manager

Install, register, and manage Red Hat OpenShift® 4 clusters.

[Cluster Manager](#)

### Red Hat Ansible Automation Platform

Extend your automation with analytics, content management, and policy and governance.

[Automation Analytics](#)[Automation Hub](#)[Automation Services Catalog](#)[Open](#) →

### Subscription Watch

Account-level summaries of your Red Hat subscription utilization

[Red Hat Enterprise Linux](#)[Red Hat OpenShift](#)[Open](#) →

## Insights for SAP

Leverage Red Hat Insights to manage, optimize and remediate risks to your SAP landscape.

### Management

Forecast and optimize your Red Hat OpenShift cluster and hybrid cloud environments.

[Management](#)

### Migration Services

Get recommendations on migrating your applications and infrastructure to Red Hat.

[Migration Analytics](#)

Search tags

Workloads

☐ All workloads

☒ SAP

SAP ID (SID)

☐ RH1

☐ RH2

☐ RHE

☐ SR1

Satellite

☐ Location=RDU

Workloads

SAP x

Clear filters

Subscription Watch utilization summary



Filter not applicable

This functionality is not supported within Subscription Watch. Remove all filters to show dashboard results.

Patch

3 systems affected



- 563 security advisories
- 1391 bug fixes
- 244 enhancements

0 Incidents in Advisor recommendations

Total risk



0 Critical

2 Important

12 Moderate

1 Low

Category



- 2 Availability
- 5 Stability
- 6 Performance
- 2 Security

Compliance



Filter not applicable

This functionality is not supported within Compliance. Remove all filters to show dashboard results.

1



Insights Workload Filters  
Includes filters for SAP workloads and SID

Includes recommendations for SAP Workloads, easily identifying common misconfigurations and issues.

- Red Hat Insights
- Dashboard
- Advisor
  - Recommendations
  - Systems
  - Topics
- Vulnerability
- Compliance
- Patch
- Drift
- Policies
- Inventory
- Remediations
- Register Systems

Search tags

WorkloadsSAPSAP ID (SID)RHE

Clear filters

Advisor topics > SAP

SAP

★ Featured

Improve stability of your SAP HANA workloads following actions recommended by Red Hat.

Recommendations

NameSearch

1 - 10 of 30

StatusEnabled

Clear filters

Name	Added	Total risk	Risk of cha...	Syste...	Ansible
> SAP applications will not work stably when important lock files and sockets in the /tmp are deleted by systemd-tmpfiles	2 months ago	Moderate	Very Low	0	✓
> SAP HANA is not supported when running on an uncertified Microsoft Azure instance	3 months ago	Moderate	Low	0	No
> The old SAP NetWeaver releases will fail to run in an LDAP environment when missing	3 months ago	Moderate	Low	0	✓



# Notable SAP Facts

Notable SAP facts included with Insights:

- SID
- Is it an SAP system?
- SAP Version
- SAP system number
- SAP instance number
- Tuned Profile

Search tags

Workloads SAP

SAP ID (SID) RHE

Clear filters

## Comparison

sap

View: Same, Different, Incomplete data

Add to comparison



1 - 8 of 8

State

Same

Different

Incomplete data

Fact name

sap

Clear filters

Fact

State

enabled\_services



installed\_packages



installed\_services



running\_processes



sap\_instance\_number



sap\_version



sap\_sids



sap\_system



hana-948f.example.com  
23 Nov 2020, 15:49 UTC

s4hana-948f.example.com  
23 Nov 2020, 16:03 UTC

00

01

N/A

N/A

RHE

RHE

True

True



Search tags

Workloads

SAP

SAP ID (SID)

RHE

Clear filters

Policies > Ensure PCP is set correctly on all SAP systems

## Ensure PCP is set correctly on all SAP systems

Enabled

### Description

Triggers is a SAP system is detected and PCP profile is not set to a SAP profile

Last updated 23 Nov 2020 | Created 23 Nov 2020

### Conditions

facts.sap\_system="True" AND NOT (facts.tuned\_profile contains "sap")

### Trigger actions

Send Email

### Recent trigger history

No triggers found

This policy does not have any recent triggers



## Ease-of-use



### **Register Systems**

New Register Systems area guides you on how to setup Insights in your environment (RHSM, Satellite, public cloud, using Ansible, Puppet, or command line)

### **Filter Insights results by system tags**

Tags and filters are applied across Insights services and are available at the top of each page

### **Trigger history in the Policies service**

Displays when a policy was triggered and by which system

### **CVE report in the Vulnerability service**

Export a customizable CVE report to PDF

Search tags

Workloads

SAP

SAP ID (SID)

RHE

Clear filters

## Register your systems with Red Hat Insights

The Insights registration assistant will guide you through the setup process for the Red Hat Insights Client. You will be prompted with a series of questions about your environment to provide you with setup instructions tailored for your environment.

### Step 1: Tell us about your systems

How are the systems managed?

☒ Red Hat Subscription Manager ☐ Red Hat Satellite ☐ Public cloud/RHUI

Operating System

☒ RHEL 8 ☐ RHEL 7 & 6

Do you wish to use automation for installation?

☐ Ansible ☐ Puppet ☒ No

Note: You can automate the installation and registration of systems with Ansible, included with your Red Hat Enterprise Linux entitlement.

### Step 2: Register your systems with Red Hat Insights

> insights-client --register

View Insights dashboard

## Register Systems Page

Guided instructions on how to register hosts to Insights

### Pre-installation checks

#### Register with RHSM

You must register all Red Hat Enterprise Linux (RHEL) systems with Red Hat Subscription Manager to receive necessary updates and to resolve software dependencies.

> subscription-manager register --auto-attach

Note: If the system cannot be subscribed to RHSM, [basic authentication](#) can be configured on the client.

If you have a web-based proxy between your system and the Internet, you can configure the insights-client to connect through it. For more information, refer to [How to access Red Hat Insights through a firewall/Proxy](#).

Data collection & controls [Learn more](#)

#### Setup and Configure

Assess and monitor the compliance of your RHEL systems using Policies [Learn more](#)

Detect and be notified of system configuration changes using Custom Policies [Learn more](#)

#### Red Hat® Smart Management

Combines the flexible and powerful infrastructure management capabilities of Red Hat Satellite with the ability to execute remediation plans from Red Hat Insights [Learn more](#)

owner

Workloads All workloads Clear filters

Workloads

All workloads

SAP

3

SAP ID (SID)

RH1

1

RH2

1

RHE

2

SR1

1

insights-client

owner=jspinks

6

Total risk

0 Critical

25 Important

73 Moderate

27 Low

Category



- 45 Availability
- 35 Stability
- 17 Performance
- 28 Security

Subscription Watch utilization summary

Red Hat Enterprise Linux 4%

Red Hat OpenShift 1%

Filter by tags

Filter systems using tags set on systems

Patch

5,554 systems affected



- 1907 security advisories
- 4123 bug fixes
- 794 enhancements

Compliance



PCI-DSS v3.2.1 Control Baseline for Red Hat Enterprise Linux 8

1 system 0% passes



[DRAFT] DISA STIG for Red Hat Enterprise Linux 8

1 system 0% passes



C2S for Red Hat Enterprise Linux 7

1 system 0% passes

2 more compliance reports

Vulnerability

2824 CVEs impacting your systems



352 CVSS 8.0 - 10 2087 CVSS 4.0 - 7.9 385 CVSS 0.0 - 3.9

Remediations

No activity VM Network Perf Fix

Failure START SQL



## Policies trigger history

See the trigger history for each policies inside of the Policy service.

Red Hat Insights

Dashboard

Advisor

Vulnerability

Compliance

Patch

Drift

Policies

Inventory

Remediations

Register Systems

Subscription Watch

Documentation

Search tags

Workloads

All workloads

Clear filters

Policies > Ensure firewalld is enabled

### Ensure firewalld is enabled

✓ Enabled

#### Description

Firewall service must be installed and running.

Last updated 08 Apr 2020 | Created 07 Apr 2020

#### Conditions

not (facts.enabled\_services contains ['firewalld'] and facts.running\_processes contains ['firewalld'])

#### Trigger actions

✉ Send Email

🔗 Send to Hook

### Recent trigger history

Filter by System



1 - 20 of 590



Date ↓

System ↑

23 Nov 2020 16:39:04 UTC

rhel6-10.seven

23 Nov 2020 16:34:02 UTC

master.ocp310.com

1



# Vulnerability custom report

New CVE report capability enables you to create customizable PDF reports.

Red Hat Insights

Dashboard

Advisor

Vulnerability

CVEs

Reports

Systems

Compliance

Patch

Drift

Policies

Inventory

Remediations

Register Systems

Subscription Watch

Documentation

Search tags

Workloads

All workloads

Clear filters

## Reports



### Executive report

An executive summary of vulnerabilities identified by Red Hat across workloads that may impact your RHEL systems.

Download PDF

## Report by CVEs



### Report title

Insights Vulnerability CVE Report

☐ Only include CVEs with associated security rules

### Columns to include

- ☒ CVE ID
- ☒ Count of exposed systems
- ☒ Publish date
- ☒ Business risk
- ☒ Severity
- ☒ Status
- ☒ CVSS base score

### Filter data by

Publish date: All

Severity: All

CVSS base score: All

Status: All

Business risk: All

### User notes (optional)

Export report

Cancel



# Security



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## Role Based Access Control (RBAC) enhancements

- Create custom roles with fine-grained user access permissions for Insights and other services. [Beta]
- RBAC enabled on Inventory allowing you to remove Inventory read and write permissions from users in your organization, and selectively configure users who should still have access.

## New Trust page

A new trust page is available to help make it clear how Red Hat treats data collected by Insights.

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

## Red Hat Insights Data & Application Security

Red Hat Insights is a Software-as-a-Service offering that enables users to obtain actionable intelligence regarding their environments, helping to identify and address operational and vulnerability risks before an issue results in downtime. To do this analysis, small pieces of system metadata are sent to the Red Hat Insights service for analysis. This page covers the measures Red Hat has put into place to help reduce security risks when transmitting, processing, and analyzing this data.

[Go to Red Hat Insights](#)[Overview](#)[Data collection and controls](#)[Data protection](#)[Frequently asked questions](#)

### Data Privacy in Red Hat Insights for Managing Red Hat Enterprise Linux Environments

- 1. Insights is designed to work with minimal data.**  
Red Hat Insights collects only the minimum system metadata that is needed to analyze and identify issues in your Red Hat Enterprise Linux environments.
- 2. You control what data is sent to Red Hat for analysis.**  
Before data is sent, you have the option to inspect and redact information.
- 3. Data is encrypted throughout the processes, with a customizable collection schedule.**  
Red Hat signs its data collection rules and will abort if the signature cannot be verified.



# Insights Demo

# Q & A

# Red Hat Insights

## Additional resources and next steps

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### Enable Red Hat Insights

You have Red Hat Insights at no additional cost:

[red.ht/insights\\_start](https://red.ht/insights_start) or

Use [cloud.redhat.com/insights](https://cloud.redhat.com/insights) > Register Systems menu item

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### Find more “how-tos” on capabilities in the webinar library

[bit.ly/insights\\_webinarlibrary](https://bit.ly/insights_webinarlibrary)

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### Learn more in the documentation

[bit.ly/insights\\_docs](https://bit.ly/insights_docs)



▶ Watch the [intro video](#).




▶ Read the [Insights blog](#).



▶ Watch the [Cloud Connector](#) video

# Learn on the fly and watch for upcoming webinars

[SUBSCRIPTIONS](#) [DOWNLOADS](#) [CONTAINERS](#) [SUPPORT CASES](#)

 **Red Hat  
Customer Portal**

Red Hat Insights Ask Me Anything Webinars

[Red Hat Insights](#) provides operational efficiency and vulnerability risk management for Red Hat Enterprise Linux (RHEL). Insights has expanded to include more capabilities, and this webinar series is designed to help you understand how they can help ease management of RHEL environments. These webinars are technical how-to sessions and we hope they expand your knowledge of Insights.

Browse our library of on-demand recordings and register for upcoming webinars:

Webinar topic	Date	Presentation	Recording	Register
Red Hat Insights Demo: Security and Compliance Risk Management	June 23, 2020	<a href="#">Presentation</a>	<a href="#">Recording</a>	N/A
Compare Systems with Drift	July 23, 2020	<a href="#">Presentation</a> <a href="#">Supplemental Information</a>	<a href="#">Recording</a>	N/A
Stay Up to Date with Patch	August 12, 2020	<a href="#">Presentation</a>	<a href="#">Recording</a>	N/A
Stay Aligned to Internal Policies	September 3, 2020	<a href="#">Presentation</a> <a href="#">Supplemental Information</a>	<a href="#">Recording</a>	N/A
Manage Risk and Improve Operational Efficiency in Red Hat Enterprise Linux	September 9, 2020	<a href="#">Presentation</a>	<a href="#">Recording</a>	N/A
Best Practices for Getting Started with Red Hat Insights	September 24, 2020	<a href="#">Presentation</a>	<a href="#">Recording</a>	N/A
Getting Started with Push Button Remediation	October 29, 2020	<a href="#">Presentation</a>	<a href="#">Recording</a>	N/A
What's new in Red Hat Insights: SAP workloads and more	December 3, 2020			<a href="#">Register</a>

[bit.ly/insights\\_webinarlibrary](https://bit.ly/insights_webinarlibrary)

Looking forward to a great year in 2021!  
Please check our webinar page in the new year.

**This year, we  
collaborated no matter  
the circumstances.**

Wishing you health and inspiration in 2021.



# 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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