Red Hat Insights

Ask Me Anything Webinar
What's new in Red Hat Insights for SAP and more

December 3, 2020

Red Hat

What we will discuss today

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- Overview

- What's New

- Demo

- Q&A

Red Hat

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

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
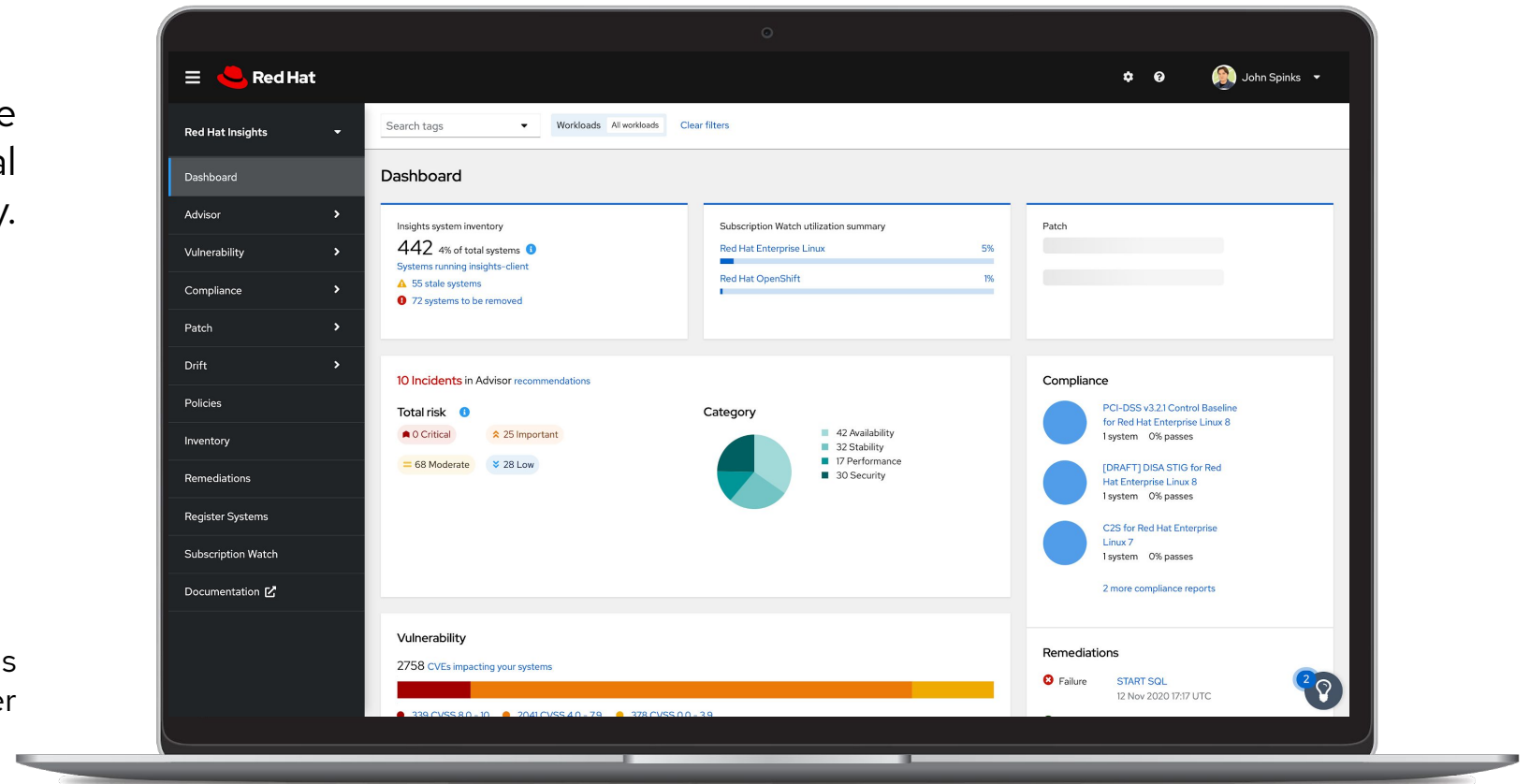
Overview of Red Hat Insights services

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

Red Hat

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

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

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Application / Workload Management for SAP

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

Get

RHEL for SAP Solutions

Red Hat Insights

Red Hat Smart Management

Red Hat

Red Hat

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

Open →

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.

...ecast and optimize ...at OpenShift cluster ...brid cloud ...ents.

...anagement

Migration Services

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

Migration Analytics

Red Hat

SAP Topics

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

| Workloads | SAP | ✕ | SAP ID (SID) | RHE | ✕ | Clear filters |

Advisor topics > SAP

SAP ⭐ Featured

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

Recommendations

Name ▼   Search   1 - 10 of 30 ⌄   <   >

Status Enabled ✕   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

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Red Hat Insights

Dashboard

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Policies

Inventory

Remediations

Register Systems

Subscription Watch

Documentation

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	Trigger actions
facts.sap_system="True" AND NOT (facts.tuned_profile contains "sap")	✉ Send Email

Recent trigger history

No triggers found

This policy does not have any recent triggers

1

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

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Red Hat Insights

- Dashboard
- Advisor
- Vulnerability
- Compliance
- Patch
- Drift
- Policies
- Inventory
- Remediations
- **Register Systems**
- Subscription Watch
- Documentation 🔗

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 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

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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

Subscription Watch utilization summary

Red Hat Enterprise Linux   4%

Red Hat OpenShift   1%

Patch

5,554 systems affected

- 1907 security advisories
- 4123 bug fixes
- 794 enhancements

Total risk ⓘ

- 🚩 0 Critical
- ⬆ 25 Important
- ═ 73 Moderate
- ⬇ 27 Low

Category

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

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

1

Policies trigger history

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

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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	Trigger actions
not (facts.enabled_services contains ['firewalld'] and facts.running_processes contains ['firewalld'])	✉ 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.

Security

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

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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 Red Hat Enterprise Linux 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

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Q & A

Ask Me Anything Webinar

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Red Hat Insights

Additional resources and next steps

Enable Red Hat Insights

You have Red Hat Insights at no additional cost:

red.ht/insights_start   or

Use cloud.redhat.com/insights > Register Systems menu item

Find more "how-tos" on capabilities in the webinar library

bit.ly/insights_webinarlibrary

Learn more in the documentation

bit.ly/insights_docs

▸ Watch the **intro video**.

▸ Read the **Insights blog.**

▸ Watch the **Cloud Connector** video

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bit.ly/insights_webinarlibrary

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

Thank you

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Award-winning support, training, and consulting
services make Red Hat a trusted adviser to the
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