Ask Me Anything Webinar:
Getting started with push button remediation

How to remediate risks using the
Red Hat Smart Management cloud connector

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What we will discuss today

About Me

John Spinks
Senior Principal Technical Marketing Manager

- Overview
- Getting Started
- Demo
- Architecture
- 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.
New and improved Red Hat Insights
Included with all Red Hat Enterprise Linux subscriptions

New and expanded services support
Operational efficiency
Vulnerability and compliance risk management

*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
Smart Management ties the technology together

**FIND** with Insights

**FIX** with Smart Management

Cloud Connector is how we are making this work
Smart Management for Red Hat Enterprise Linux

Combine the powerful infrastructure capabilities of Red Hat Satellite with the simplicity of cloud management.

Improve operational efficiency by 28%*

Overcome scale, skill, and security gaps

*Source: Satellite IDC Business Value Whitepaper
What is Cloud Connector?

Using Red Hat Insights and Smart Management you can easily identify risks, Vulnerability, and Compliance issues in your environment and fix them via your trusted Satellite infrastructure with the click of a button.

- Connects your Satellite infrastructure to cloud.redhat.com
- Create playbooks via Insights and run them using existing Satellite and Capsules
- Included with your Smart Management subscription

For more information, refer to the intro blog or video
How to configure Cloud Connector?
To use Cloud Connector

- Must have a Smart Management subscription
- Must have Satellite 6.7 or above in use
- Hosts are registered to the Satellite
- SSH keys for remote execution must be setup

(Everything above this line is typical Satellite usage)

- Identify/create a Satellite user that will perform the remote execution
  - If in a multi-org environment the user would need access to all orgs.
- Install Cloud Connector via the job template in Satellite
- Make sure the inventory plug-in is installed and has recently done an upload
- Make sure that cloud.redhat.com RBAC settings have your user as a Remediations Administrator
Configure Cloud Connector

Configure via a Satellite Job Template
Provide a Satellite user and password for the remote execution jobs.
<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>fifi-satqa1.usersys.redhat.com</td>
<td>Red Hat Satellite</td>
<td>Remediations</td>
</tr>
</tbody>
</table>

Job template creates an Insights Source entry.
Cloud Connector enables Execute Playbook button
Demo
Architecture
Insights and Smart Management

Use Insights to get a centralized view of all hosts in your environment, even across multiple Satellites.
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Connect Via:
- Web UI
- API

Execute playbook

Satellite A
w/ Optional Cloud Connector

Capsule A
SAP Host A

Capsule B
SAP Host B

Capsule C
Host C

Capsule D
Host D

Satellite B
w/ Optional Cloud Connector

Host XXX

Host YYY

Host ZZZ

Edge

Red Hat Insights

Host E

Host F
Insights and Smart Management

Use Insights to get a centralized view of all hosts in your environment, even across multiple Satellites.

Connect Via:
- Web UI
- API

Execute playbook

Download playbook

Satellite A
w/ Optional
Cloud Connector

Satellite B
w/ Optional
Cloud Connector

Capsule A

Capsule B

Capsule C

Capsule D

SAP Host A

SAP Host B

Host C

Host D

Host E

Host F

Host XXX

Host YYY

Host ZZZ

Edge

Red Hat Insights

AWS

Azure

IBM Cloud
Q & A
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.

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.

4. Only one uploaded data set is stored at a time.
   For each REHL host or instance, one uploaded data set is stored on the services infrastructure.

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

Note: Red Hat Insights can be used on all Red Hat-supported versions of Red Hat Enterprise Linux, version 6.4 and later.

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: Download the insights-client playbook

[Download playbook]

Step 3: Install and configure your playbook

Watch the [Command line install] option
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

Watch the cloud connector video
bit.ly/insights_cloudconnect

Watch the intro video.

Read the Cloud Connector blog.

Refer to the documentation
Upcoming Red Hat Insights Ask Me Anything webinar:

Red Hat Insights - Ask Me Anything: What’s new in Red Hat Insights for SAP and more

December 3, 2020 at 11 AM ET

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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twitter.com/RedHat