

Manage Risk & Improve Operational Efficiency

For Red Hat Enterprise Linux

Today's presenters



Rob Williams

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What we are talking about today

Industry Challenges and Trends

Red Hat Insights for Operational Efficiency Use Cases

Demo

Q & A

Smart, efficient Linux management is required



Overly complex

Technology stacks are hybrid and complex, creating intricate challenges across operating systems and workloads.



Time consuming

Growing hybrid deployments with many nuances in management that all takes time to understand in detail and manage.



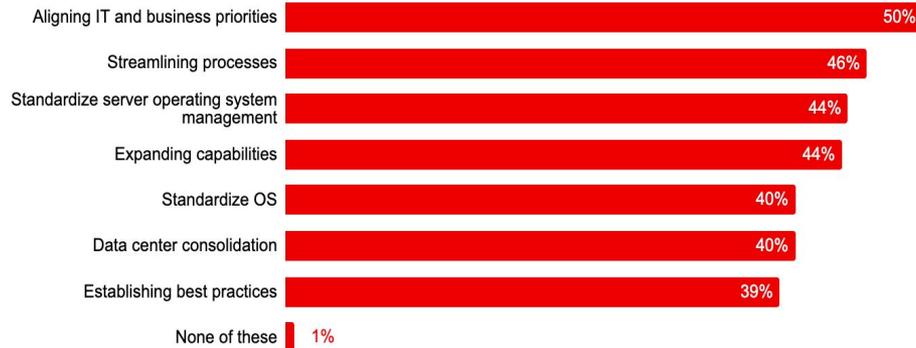
Business impacting

Stable, predictable operations drive business, with new applications and digital transformation as key themes.

For most, IT optimization is an important initiative

The biggest benefits are efficiency, stability and cost savings

What are you currently doing to help optimize your infrastructure?

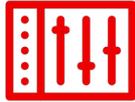


Top infrastructure priorities

- Align IT to business needs
- Streamline processes
- Standardize server operating system management

Use cases: where's the risk?

Identify problems early and resolve them quickly to reduce business impacts



Use case: new deployments

Detect risks early in the lifecycle to avoid critical problems before they make their way to production.



Use case: ongoing operations

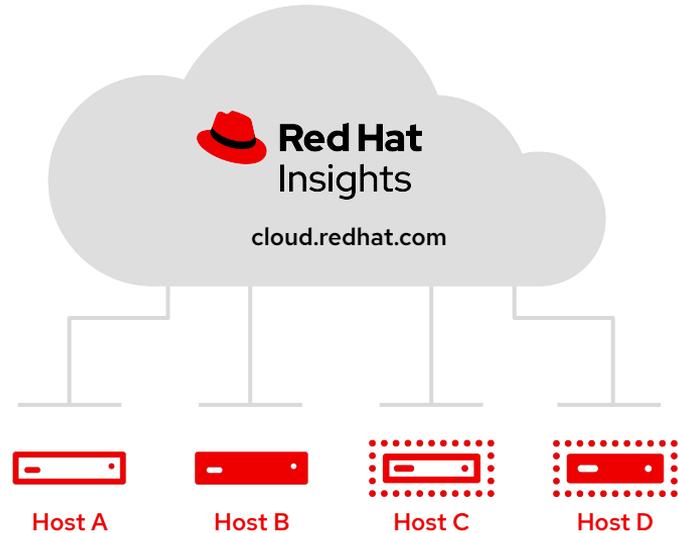
Stay on top of risks as environments continue to change and evolve over time and so is the threat landscape.

Red Hat Insights

Helps you manage your Red Hat Enterprise Linux environment

- 1 | Where are my systems?
- 2 | What are the risks in my environment?
- 3 | How do I fix it?

Red Hat Insights included with all actively supported Red Hat Enterprise Linux subscriptions (6.4 and up)



 **Red Hat**
Enterprise Linux

Expanded 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

Red Hat Insights adoption is on the rise

A look at Red Hat Insights growth



Increase in active Insights clients, from January, 2019 to August, 2020

Systems under management with Insights number in the hundreds of thousands.

Advisor (configuration) recommendations growth

600 recommendations at Summit, 2019



1,000+ recommendations August, 2020



With additional vulnerability checks



“Building servers that are **tuned, ready-to-go and more secure from day one** is a key need for our IT organization. Red Hat Enterprise Linux with Red Hat Insights gives us this capacity, **enabling us to deploy servers that are immediately usable** and meet our specific needs as they go live.”

- Steve Short, Kingfisher PLC

A conversation with Red Hat Insights users

Morgan Peterman, Red Hat TAM, leads a panel discussion with two Red Hat Accelerators



Insights is like having a full-time person to review configurations and double check what we do, which is fantastic because **we cannot always be an expert in every single thing.** It takes care of performance tuning, setting up to align with best practices, and secure with patches installed to **ensure everything is running as it should be.**



If you have a very large environment, it is more like **adding a second team** because when you have more than 10,000 systems **it is a challenge of scale that cannot be solved with people,** you have to solve it with code – and Insights has done that... **we still get surprised by the issue Insights identifies.**

Hear more from Red Hat Insights users: red.ht/Insights_April

Modern management through analytics and automation



Red Hat Insights

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

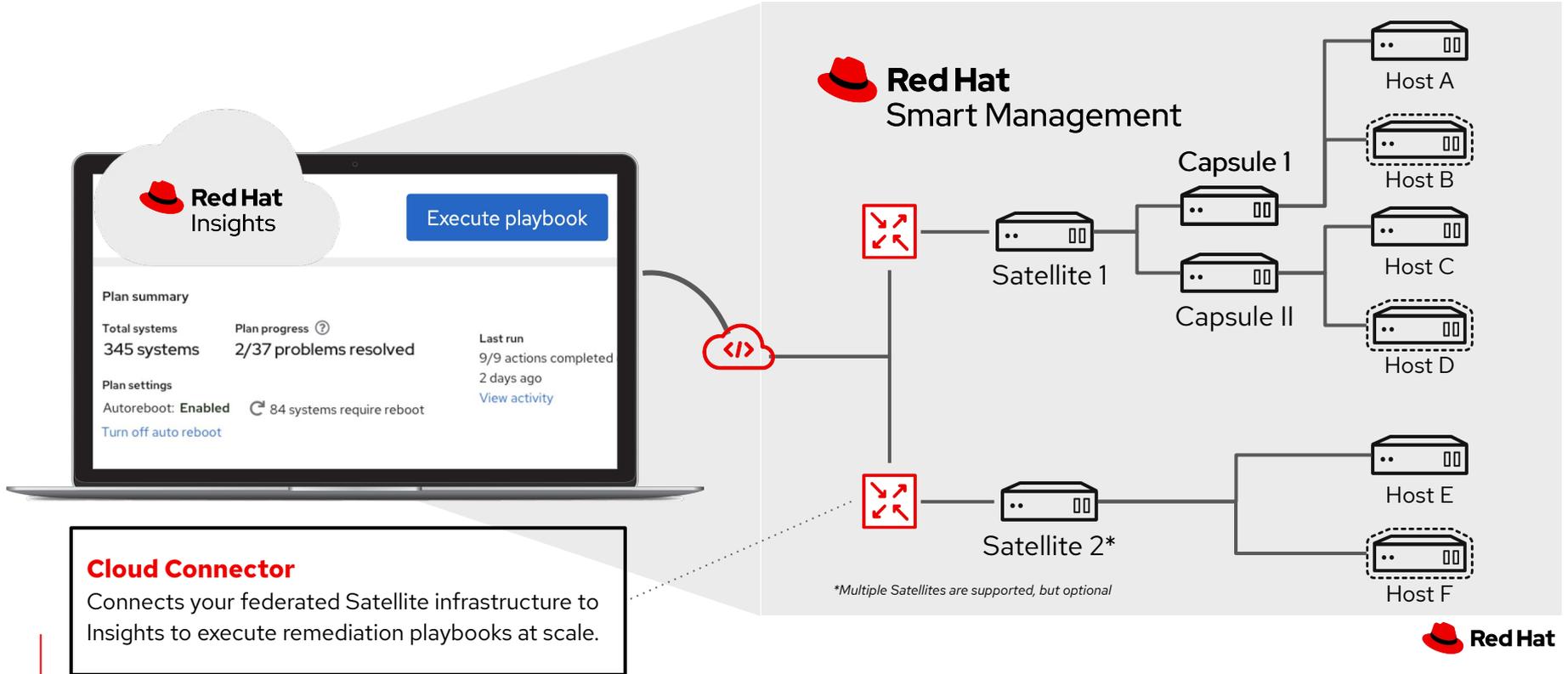
1m 24s to **discover** vulnerabilities in a 100-VM environment, versus over 15m when performed manually

91% less task completion time to **address** a vulnerability

69% reduction in time to detect a **policy** violation

Red Hat Smart Management Cloud Connector

Smart Management subscription enables push-button remediation of issues identified by Insights



New: getting your team started is even easier!

Red Hat

Red Hat Insights

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

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: Download the insights-client playbook

[Download playbook](#)

Step 3: Install and configure your playbook

[Install Ansible and get started](#) [Configure insights-client playbook](#)

[Installing RHEL System Roles and Ansible](#) [Working With Playbooks](#)

Preinstallation 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-...
```

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](#)

Screenshot

Additional resources and next steps

READ THE RED HAT INSIGHTS EXECUTIVE BRIEF

Read the Red Hat Insights security brief:

bit.ly/insights_efficiency

RED HAT® ENTERPRISE LINUX® CUSTOMER CAN GET STARTED

You have Red Hat Insights at no additional cost:

red.ht/insights_start

HEAR FROM CUSTOMERS

Red Hat Insights customers discuss the benefits:

bit.ly/April_panel

READ THE ANALYST PAPER

Principled Technologies Group time and cost benefits paper:

bit.ly/insights_ptg

Watch the
[intro video](#) (4 mins)

Read the
[Insights blogs](#)

Share your use case
ideas
insights@redhat.com

Web: redhat.com/insights

Thank you

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