



# Effectively manage AWS cloud environments with Red Hat Insights



## Streamline management across Red Hat platforms

Red Hat Insights is included with multiple Red Hat platforms to help you manage your entire hybrid cloud environment more efficiently and effectively:

- ▶ [Insights for Red Hat Enterprise Linux](#)
- ▶ [Insights for Red Hat OpenShift®](#)
- ▶ [Insights for Red Hat Ansible® Automation Platform](#)

[Activate Red Hat Insights](#) to start realizing benefits today.

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## Effective management is required for efficient cloud operations

Enterprises run 50% of their workloads and store nearly half of their data in a public cloud today.<sup>1</sup> Managing these workloads and data across your datacenter and cloud environments can be complicated, resulting in inefficient operations and potential security vulnerabilities. Unified management and visibility can help you streamline operations, improve security, and control spending across your environments.

## What is Red Hat Insights?

[Red Hat® Insights](#) is a unique suite of hosted services that continuously analyzes platforms and applications to help you better manage and optimize hybrid cloud environments. Included with Red Hat Enterprise Linux® and accessed through the [Red Hat Hybrid Cloud Console](#), Insights uses predictive analytics and deep domain expertise to reduce complex operational tasks from hours to minutes. It gathers configuration and utilization data from your Red Hat products, analyzes the data based on Red Hat knowledge and expertise, and generates prioritized insights and recommendations for you to take action. Focusing on areas of operations, security, and business, Insights proactively alerts administrators and stakeholders before an outage or security event occurs. By helping teams stay ahead of critical operational issues, Insights frees up your staff to focus on innovation.

Red Hat Insights works across on-site and cloud environments—including [Amazon Web Services \(AWS\)](#)—allowing you to manage and optimize everything from a single interface. It also integrates with other Red Hat and 3rd-party tools. For example, you can use remediation guidance to take manual actions or create playbooks for resolution at scale with [Red Hat Satellite](#), a centralized infrastructure management product for Red Hat infrastructure. Remediation playbooks are tested and validated with AWS to ensure they work as expected. You can also use a push mechanism to initiate actions in 3rd-party applications. And, to further simplify operations, you can link your Red Hat account to your AWS account and choose to automatically connect your cloud-based systems and workloads to Red Hat Insights and other Red Hat services upon provisioning.

## Track and optimize spending across clouds

Red Hat Insights helps you understand and optimize cloud spending and performance. The subscriptions service lets you track Red Hat subscription use across your entire environment efficiently and confidently. The resource optimization service helps you right-size your AWS deployments using processor, memory, and network performance metrics. It monitors system performance over a 24-hour period, gives a score for each metric, and assesses systems as optimized, undersized, oversized, under pressure, or idling. You can use this information to optimize system performance when moving workloads to AWS.

<sup>1</sup> Flexera. [“Flexera 2023 State of the Cloud Report.”](#) March 2023.



## Save time and effort with Red Hat Insights

Red Hat Insights helps you reduce the time spent on common management tasks:<sup>2</sup>

- ▶ **88%** less time to track system patch status
- ▶ **96%** less time to detect known operational risks
- ▶ **89%** less time to detect configuration drift
- ▶ **1 minute and 24 seconds** to detect security vulnerabilities across 100 virtual machines
- ▶ **69%** less time to detect policy violations

Read the [Enhance operational efficiency with Red Hat Insights](#) and [Manage security risks with Red Hat Insights](#) briefs to learn more.

## Improve IT efficiency, stability, and performance across clouds

Red Hat Insights helps you optimize system efficiency, stability, and performance across large-scale environments with less effort and time. The advisor service assesses your system configurations against Red Hat's knowledge base of support cases, industry best practices, and issues identified by AWS to find operational risks and provide prioritized remediation guidance. The drift service helps you detect configuration drift that can lead to performance, availability, security, and compliance issues. You can compare your system configurations to customized baselines, other systems, and historical profiles to find changes and notify stakeholders. The patch service helps you manage patching across all Red Hat Enterprise Linux systems in your hybrid cloud environment. You can analyze systems to determine which ones have patches available and create automation playbooks to apply those patches. Finally, the [image builder service](#) helps you build, manage, and deploy Red Hat Enterprise Linux operating system images across your datacenter and AWS environments more quickly and easily. Create customized images, save them as templates, and push them to your AWS inventory to simplify provisioning.

## Reduce risk in the cloud

Red Hat Insights helps you improve security operations through risk prioritization and management and options for remediation across on-site and cloud deployments. The vulnerability service lets you scan your systems for Common Vulnerabilities and Exposures (CVEs), collect scan information, and access remediation guidance using a single interface. It also helps you prioritize remediation actions based on the severity, type of risk, and impact of the change. The compliance service helps you audit regulatory compliance with OpenSCAP policies, remediate noncompliant systems, and generate compliance reports. The policies service lets you define internal security policies, monitor systems for compliance, and alerts teams when a system is out of compliance. Finally, the malware service helps you rapidly detect active malware signatures in systems across your hybrid cloud environment.

## Get started today

Register your Red Hat Enterprise Linux systems to start realizing the benefits of Red Hat Insights across your datacenter and AWS environments immediately. Use the [automated assistant](#) to speed registration or [register your systems manually](#).

[Learn how](#) to get started with Red Hat Insights today.

<sup>2</sup> Principled Technologies, sponsored by Red Hat. "[Save administrator time and effort by activating Red Hat Insights to automate monitoring](#)," September 2020.



## About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. [A trusted adviser to the Fortune 500](#), Red Hat provides [award-winning](#) support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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