Enhanced operations with Red Hat Insights for Red Hat environments

**Benefits**

Meet high IT performance and security demands across traditional and cloud instances.

Gain operational confidence through enhanced visibility into IT environments.

Optimize staff efficiency and extend Linux skills.

Shift teams to focus on delivering innovation.

**Overview**

IT managers face a triad of pressures in managing their IT environments. Foremost is delivering operational efficiency, which depends on factors such as security, performance, availability, and stability. Yet, these managers must deliver this efficiency while balancing available IT resources and skills as well as their costs. They must also help move the organization from reactive “fire-fighting” mode to one that focuses on delivering innovations that drive business advantages. These seem like competing pressures, but the right foundation and management solutions can help.

Linux® is a key platform for running business applications and new cloud innovations, so it must be manageable. Red Hat® Enterprise Linux is the intelligent operating system that helps IT professionals scale and run workloads across bare-metal, virtual machine, and cloud environments. Subscriptions for Red Hat Enterprise Linux include capabilities that deliver Red Hat expertise as a cloud service to better manage deployments.

Red Hat Insights is the proactive management capability in active Red Hat Enterprise Linux subscriptions. Based on extensive Red Hat knowledge that comes from supporting customers over many years, Insights uses more than 1,000 rules to analyze for performance, security, availability, and stability issues. It provides a single consistent solution for managing Red Hat Enterprise Linux implementations across hybrid environments. It also includes rules that analyze specific workloads, such as SAP® and Microsoft SQL Server running on Red Hat Enterprise Linux. This makes Red Hat Enterprise Linux with Insights a smarter, more efficient way to deliver value from IT.

**Improve operational confidence**

Outages and other problems are usually the result of a combination of detailed factors that are difficult to spot, especially in combination. Modern tools that add analytics so that an administrator knows when and where to focus attention can help improve uptime.

For example, an issue may result from a specific configuration setting, combined with a specific operating system version that is running a specific workload. When one administrator is responsible for a large estate, there is not enough time to know every detail of each environment. This is where Red Hat Insights can pinpoint the potential issues, letting administrators know where the issues exist, the severity level, and how to resolve them so that they can take action before an outage occurs.

When you multiply this single scenario across a large management estate, the operational efficiency benefits from Red Hat Enterprise Linux with Insights become clear.

**Improve security and compliance visibility**

Gaining visibility into potential security risks is paramount. Insights and cloud management services for Red Hat Enterprise Linux (included in Red Hat Smart Management) perform rules-based security checks that help identify potential security threats, common vulnerabilities and exposures (CVEs), and compliance risks in advance so that your team can proactively address them.
These services complement the extensive security that is built into Red Hat Enterprise Linux, giving you a range of capabilities designed to keep you ahead of security threats and aligned to compliance mandates. Together, these solutions help deliver good visibility into your current security and compliance stance.

**Optimize skills and resources**

Skilled Linux resources are in demand due to continued Linux growth. This has created a challenge to find and hire the best Linux resources. Many organizations are also being required to “do more with less” by using resources with lower skill levels or by implementing outsourcing programs. This may leave you with extensive, complex, and growing estates to manage and not enough deep Linux skills.

Red Hat Insights can help you bridge this gap with its ability to pinpoint potential risks and provide the remediation guidance needed to resolve them. Remediation guidance describes how to fix the issue manually, and for most issues it also includes a remediation playbook that can run via Red Hat Ansible® Automation Platform or via Red Hat Satellite. This aids your staff in deepening their skills as they work, and it can make a smaller team more effective at keeping environments running smoothly.

**Support a focus on innovation**

IT innovation drives business and especially digital transformation. As new applications prepare for production, operational teams have to ensure they are stable, secure, and tested on the target on-premise or cloud platforms.

Operational teams that are continually reacting to unexpected issues and problems do not have the time or focus they need to complete these crucial transitional steps from development to production. Because Insights works proactively to help avoid outages and downtime, your teams can move from a culture of reactivity to one of thoughtful innovation where they have the time to finalize critical new applications.

**Table 1. Benefits of Red Hat Insights**

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<tr>
<th>Benefits</th>
<th>Details</th>
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<tr>
<td>Avoid downtime.</td>
<td>Address issues such as security risks and configuration errors before they affect business operations with proactive IT monitoring and analysis based on extensive Red Hat knowledge.</td>
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<td>Operate confidently.</td>
<td>Use the platform and management tooling that helps provide security, ensure compliance, and focus the team on the right issues.</td>
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<td>Optimize skills and resources.</td>
<td>Help teams of all sizes better manage Red Hat Enterprise Linux implementations as they deepen skills while solving problems using remediation guidance.</td>
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<td>Focus on innovation.</td>
<td>Change team approaches to proactively address issues, and free up time to deliver innovation projects.</td>
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Get started with a smart platform choice

With Insights deployed, you can be more confident and efficient in operations—resulting in improved business value. The installation process for Insights is simple. Your administrator registers a client, reviews issues on a cloud-based visual dashboard, and remediates identified issues using the provided guidance. Your team can get started quickly at redhat.com/insights.

Red Hat can also provide a full suite of additional management solutions that help you manage and automate across the IT life cycle. All of this helps to make Red Hat a smart platform choice for productive and efficient operations.

Learn more about Red Hat Insights at redhat.com/insights.