Boost hybrid cloud security posture and consistency

96% of executives believe that adopting generative AI will likely result in a security breach within their organization in the next 3 years.[1]

Security starts at the foundation

Technology continues a rapid transformation, leading to shifts in how organizations prioritize key areas of their business. At the same time, organizations continue to adopt hybrid cloud solutions for flexibility and the ability to innovate on any footprint.

In fact, cloud management, which encompasses various forms of hybrid and multicloud management, remains the highest funding priority for many organizations, which highlights the need for improved security and better data protection.[1]

To keep up with rapidly changing business needs and customer demands, organizations must develop and deploy applications with speed, flexibility, and reliability, which is best facilitated by a hybrid cloud or multicloud strategy.

Red Hat and Google Cloud can help organizations increase efficiency by optimizing their hybrid cloud and multicloud environments. Red Hat® solutions, available through Google Cloud Marketplace, include Red Hat Enterprise Linux®, Red Hat OpenShift®, and Red Hat Ansible® Automation Platform.

These solutions help simplify the infrastructure platform, speed application development and delivery, and support automation adoption, assisting organizations as they adapt to industry, regulatory, and global changes with an agile hybrid cloud environment.

50% of respondents identified IT security as one of their top 3 funding priorities. This represents a 5-point increase from the previous year, a significant jump in a year-over-year comparison.[2]

A pioneering partnership

As organizations deploy and manage applications and workloads across multiple environments, it becomes more challenging to maintain consistency in configuration and manage access and administrative controls.

Red Hat Enterprise Linux on Google Cloud gives organizations a compliance-focused foundation and infrastructure with intelligent features and tools that help safeguard data and applications against threats.

Built-in operating security features like live kernel patching, security profiles, security standards certification, and a trusted software supply chain help teams meet today's high security and compliance expectations.

Google Cloud offers security features that are user-friendly, consistent, and transparent by providing:

▸ **Built-in infrastructure security features.** Use an infrastructure technology stack that prioritizes security, using progressive layers to provide an accurate, in-depth defense.

▸ **Improved data control.** Manage how information is used and who can access it with full transparency.

1   "Introducing the IBM Framework for Securing Generative AI." IBM, January, 2024.
2   "2024 Global Tech Trends." Red Hat, February, 2024.

As deployments of cloud and containerized services rise, organizations are dealing with challenges that start with the foundational layer of infrastructures such as stability, scale, and security.

▸ **A global security perspective.** Gain global visibility into threats and attacks along with protections to stay ahead of vulnerabilities.

▸ **Boost compliance anywhere.** Use controls for compliance that are consistent across all cloud regions, giving you access to the latest services.

Establish a consistent security foundation

Red Hat Enterprise Linux helps you build on a stable, consistent, and trustworthy foundation. Scale applications and roll out emerging technologies across your hybrid cloud environment.

Red Hat Enterprise Linux helps you to:

▸ **Gain agility and assurance.** Red Hat Enterprise Linux helps to balance enterprise stability with the flexibility of open source technology by continually testing and validating against vulnerabilities while providing support, updates, and security patches.

▸ **Build with confidence.** Develop and deploy critical applications on an independently validated and certified platform that meets government and industry standards such as Common Criteria and Federal Information Processing Standards (FIPS).

▸ **Automate regulatory compliance.** Apply industry best practices, independently validate baselines, and generate comprehensive on-demand reports for auditors. Use Ansible Automation Platform to more efficiently provision, patch, and configure production systems at scale with fewer resources.

▸ **Get available insights.** Red Hat Insights helps you create Secure Content Automation Protocol (SCAP) policies and efficiently scan systems to detect compliance with security policies, allowing you to resolve issues before business operations are affected. The Red Hat Insights security provides scanning, remediation playbooks, and access to new resources to help grow your security capabilities.

▸ **Mitigate the risk of unauthorized access.** Centrally manage identities and configure role-based authentication and authorization controls across Linux and compatible non-Linux infrastructures.

▸ **Reduce security overhead.** Red Hat Enterprise Linux system roles support security and compliance at scale by allowing organizations to implement and manage risk-conscious best practices with fewer resources.

Learn more

Boost security and consistency for your hybrid cloud environment. Discover Red Hat Enterprise Linux on Google Cloud.

About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.

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