

Red Hat OpenShift Dedicated on Google Cloud



Key solution benefits

- ▶ Shorten development cycles by up to 70%¹
- ▶ Improve operational efficiency by 50%¹
- ▶ Give developers the tools and resources to innovate

Key solution features

- ▶ Private, high-availability Red Hat OpenShift clusters hosted on Google Cloud
- ▶ Expert 24x7 support with at least 99.95% availability
- ▶ Proactive monitoring and remediation action
- ▶ Always-on user portals with defined response times
- ▶ Access to a global team of support experts

Simplify Kubernetes deployment and management

Red Hat and Google Cloud offer a fully managed container environment service that simplifies deployment and operations while ultimately saving costs over in-house construction.

Container environments orchestrated by [Kubernetes](#) can help you speed cloud-native application development, deployment, management, and scaling. Even so, building and managing a Kubernetes environment yourself can be difficult and time consuming. In addition to configuring Kubernetes, you must connect and manage several external components like logging, monitoring, and registries. You must also reassess how you perform common operations, manage security and compliance, and develop your staff's container expertise. However, many organizations lack the time, staff, or desire to maintain their container environment internally. And others prefer to focus on higher-value activities like application development and modernization.

Red Hat OpenShift Dedicated on Google Cloud

Optimized to improve developer productivity and promote innovation, [Red Hat® OpenShift®](#) is an enterprise-ready, Kubernetes-based application platform with full-stack automated operations for managing hybrid cloud, multicloud, and [edge deployments](#). [Red Hat OpenShift Dedicated](#) is a managed deployment of Red Hat OpenShift that lets you focus on innovating and delivering customer value without worrying about maintaining your application platform and container infrastructure. Deployed on [Google Cloud](#), this service gives you tools and technologies for building and operating hybrid and multicloud environments effectively and efficiently.

Red Hat OpenShift Dedicated on Google Cloud offers more than just access to managed software and technologies. It provides complete, single-tenant, high-availability environments with all necessary services, simple self-service provisioning options, and expert 24x7 support via stringent [service level agreements \(SLAs\)](#). Red Hat OpenShift Dedicated integrates the Red Hat Enterprise Linux® operating system with a container runtime and networking, monitoring, container registry, authentication, and authorization solutions. Red Hat OpenShift site reliability engineers (SREs) proactively manage cluster scaling, security patching, incident response, and more for you.

This service also gives you flexible configuration, an open source, security-focused foundation, a global network infrastructure, and advanced data analytics. Hosting is available in all Google Cloud regions, so you can locate your deployment according to regulatory, business, and performance requirements.

Red Hat OpenShift Dedicated reduces operational complexity and offers a streamlined developer experience, so you can confidently build and scale valuable applications across hybrid and multicloud cloud environments. This managed cloud service delivers benefits for both developers and operations teams.

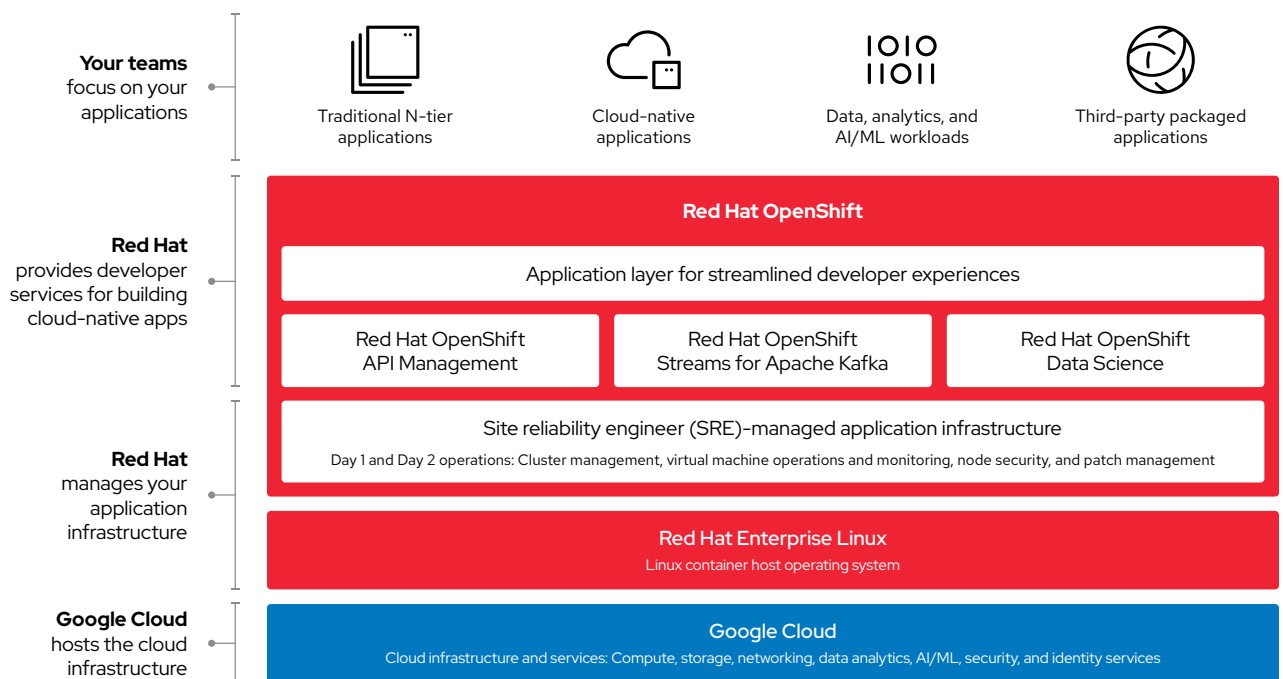


Figure 1. Red Hat manages the underlying infrastructure and application platform so you can focus on developing and deploying applications.



The advantages of Google Cloud

Google Cloud delivers innovative, security-focused cloud infrastructure and services that support digital transformation and operations across your organization.

Google Cloud solutions help you build effective data clouds, streamline multicloud environments, and encourage collaboration.

Developer benefits: Access the tools you need to innovate effectively

Red Hat OpenShift Dedicated on Google Cloud gives developers on-demand access to the tools and resources they need to innovate effectively.

- ▶ **Speed application development with automated workflows.** Build applications – without learning Kubernetes concepts – via source-to-image (S2I) processes that place source code into ready-to-run container images. This streamlined experience lets you focus on the information and configurations you care about for your projects.
- ▶ **Rapidly install and manage third-party services with Red Hat OpenShift operators.** Integrate trusted third-party services via the operator framework, which lets you quickly install and more regularly update services using certified content.
- ▶ **Get started faster with integrated developer tools.** Directly access a rich set of command-line tools, a multidevice web console, and Eclipse-based integrated development environments (IDEs) to boost productivity.
- ▶ **Enhance your applications with Google Cloud services.** Use cloud-based services like [Google Cloud Smart Analytics Platform](#), [Google Cloud artificial intelligence \(AI\) and machine learning \(ML\) products](#), and [Google Cloud security and identity products](#) to build insights, intelligence, and security into your applications.
- ▶ **Build and deploy applications consistently across clouds.** Develop applications once and deploy them across clouds and on-site datacenters using a consistent container foundation.

Operations benefits: Streamline operations and focus on high-value projects

Red Hat OpenShift Dedicated on Google Cloud offloads and streamlines tedious tasks so operations teams can focus on high-value projects.

- ▶ **Refocus on your business with expertly managed infrastructure.** Concentrate on delivering customer value while Red Hat takes care of the underlying infrastructure for you. Our proven and experienced global SRE team is available 24x7 and proactively manages cluster life cycles, infrastructure configuration, scaling, maintenance, security patching, and incident response.
- ▶ **Accelerate deployment with planning advice and managed clusters.** Speed time to value with migration planning assistance and managed cluster installation and verification. Deploy applications in minutes and quickly scale them as needed across cloud providers and geographies. You can also choose cluster and network configurations that automatically scale according to demand.
- ▶ **Boost security and compliance at scale.** Take advantage of advanced controls and compliance certifications to manage information security. Red Hat OpenShift Dedicated on Google Cloud is compliant with International Organization for Standardization (ISO) 27001, Payment Card Industry Data Security Standard (PCI DSS), and Service Organization Control (SOC) 2 Type 2.
- ▶ **Increase uptime with a reliable managed environment.** Reduce costly downtime and maintain reliability and security with managed upgrades, patching, and threat monitoring and remediation. Resolve issues quickly via always-on user portals with defined response times and knowledgeable global support staff. Red Hat OpenShift Dedicated on Google Cloud comes with a 99.95% availability SLA and 24x7 SRE support by phone or chat.



[Learn more](#) about the cost savings potential of Red Hat OpenShift cloud services.

- ▶ **Innovate faster with established container technology.** Take advantage of the latest container technology and open source standards, including support for Kubernetes Operators, in optimized setups. Red Hat SREs carry out performance benchmarks to configure Red Hat OpenShift Dedicated clusters with optimal configurations and components for Google Cloud.

Take advantage of flexible pricing models and use your committed cloud spend

Red Hat OpenShift Dedicated on Google Cloud offers several purchasing options to help you balance flexibility and cost. Simplify procurement with unified billing and purchase management from the Google Cloud Marketplace – all costs associated with your Red Hat OpenShift Dedicated deployment are combined into a single bill. Pay only for the instances you use with on-demand, consumption-based pricing. Or choose discounted pricing over a longer period of time with multiyear, reserved instance purchasing models. Plus, your Google Cloud Commit can be used for Red Hat OpenShift Dedicated deployments, including those purchased through Google Cloud resellers.

Learn more

Red Hat OpenShift Dedicated on Google Cloud can simplify your move to cloud-native operations while saving you time and money over in-house construction.

- ▶ [Learn more](#) about Red Hat OpenShift Dedicated.
- ▶ [Purchase](#) Red Hat OpenShift offerings directly from the Google Cloud Marketplace.



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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