

# MODERNIZE AND PREPARE FOR CONTINUOUS INNOVATION WITH RED HAT AND GOOGLE CLOUD

PARTNER SOLUTION BRIEF



## 62%

of CIOs cite improving business processes, delivering stable IT, and increasing operational efficiencies as their top operational priorities.<sup>1</sup>

Red Hat and Google Cloud deliver flexible, security-focused hybrid cloud solutions to help you speed operations and development, use your data effectively, and continuously innovate with confidence to evolve your business.

## CHANGE IS INEVITABLE, RAPID, AND CONSTANT

Across industries, digital technology is changing the way organizations operate. Businesses face more competition from both expected and unexpected sources. Customer demand for new offerings and services is growing. Product development and launch timing is more critical than ever before.

However, traditional IT processes and infrastructure can limit the pace of innovation and delay time to market for new products, making you less competitive. In fact, 62% of CIOs cite improving business processes, delivering stable IT, and increasing operational efficiencies as their top operational priorities.<sup>1</sup> As a result, many organizations are modernizing IT infrastructure to meet the demands of modern, digital business. They are deploying flexible cloud technologies and innovative development techniques to improve operations, accelerate time to market for new products, and become more agile. They are also building systems to comply with changing data protection and privacy regulations and derive more value from the organization's data.

Red Hat and Google Cloud offer technologies that help you modernize today and adapt over time, so you can succeed in a digital world.

## MOVE FORWARD WITH CLOUD-BASED APPLICATION AND DATA SOLUTIONS

Red Hat and Google Cloud deliver flexible, security-focused hybrid cloud solutions that combine Red Hat's enterprise-grade open source software with Google Cloud's global network infrastructure and advanced data products and services.

- Easily and quickly build, develop, and deploy applications across infrastructures and environments with [Red Hat® OpenShift®](#), a production-grade container application platform based on Kubernetes and Docker.
- Improve your current processes, migrate applications for better optimization, and use a single language for DevOps practices across your organization with [Red Hat Ansible® Automation](#), a simple, agentless automation technology.
- Get reliable, high-performance compute, storage, and data services with flexible, on-demand pricing and enhanced security with [Google Cloud Platform](#), built on one of the world's largest and fastest private networks.
- Economically and rapidly query massive volumes of data using [Google BigQuery](#), Google Cloud Platform's fully managed data warehouse.
- Use a variety of advanced machine learning tools like [TensorFlow](#) and [Cloud AI](#), and several pretrained machine learning models, including [Cloud Vision](#), [Cloud Speech-to-Text](#), and [Cloud Translation](#) with [Google machine learning and artificial intelligence technologies](#).

<sup>1</sup> Harvey Nash and KPMG, "CIO Survey 2018: The Transformational CIO," 2018.

## ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.



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## SPEED OPERATIONS AND DEVELOPMENT

55% of organizations say that digital transformation requires IT system automation and orchestration.<sup>2</sup> Red Hat and Google Cloud help you speed operations and development with advanced, easy-to-use automation and iterative, transparent processes. Simplify and streamline common IT operations—from resource provisioning to application deployment and more—with advanced automation technologies. Speed development and enable innovation with a continuous integration/continuous deployment (CI/CD) pipeline. Strategically place workloads according to performance, security, regulatory, and cost requirements with a consistent hybrid container-based environment that unifies on-premise and cloud infrastructure. Scale applications quickly and cost-effectively using a network of datacenters that lets you seamlessly expand your IT footprint while protecting your assets and data. Customize your environment through large certified partner ecosystems of third-party applications, workloads, and systems, knowing that they will all work consistently and reliably together.

## USE YOUR DATA EFFECTIVELY

IDC forecasts that by 2025, the global datasphere will grow to 163 zettabytes.<sup>3</sup> Red Hat and Google Cloud solutions help you unify, protect, and analyze your data to deliver real-time insight and intelligence. Collect and connect data from across your business with data storage and integration tools. Gain real-time insight with advanced analytics capabilities based on machine learning and artificial intelligence. Protect your data with layered security features—from the physical security of datacenters to hardware and software security protections and operational security processes.

## CONTINUOUSLY INNOVATE WITH CONFIDENCE

38% of CEOs are concerned about the speed of technological change and what that will mean for their organization in the future.<sup>4</sup> Red Hat and Google Cloud help you build a consistent foundation that enables fast innovation and open collaboration. Adopt a data-driven approach to product development with machine learning-based tools and models. Quickly and reliably take advantage of community innovation with open source technologies that are tested and hardened for production use. Safeguard your business with an integrated approach to security and built-in, pervasive functionality—including mandatory access control and application isolation. Stay up-to-date continuously with industry-standard technologies and services that help you modernize today and easily adapt to future change.

## LEARN MORE

Today's digital world requires you to modernize and constantly adapt to be successful. Red Hat and Google Cloud solutions help you speed operations and development, use your data effectively, and continuously innovate with confidence, so you can transform your organization for digital business.

To learn more about Red Hat and Google Cloud solutions, visit [redhat.com/en/partners/google](https://redhat.com/en/partners/google) and [cloud.google.com/solutions/partners/openshift-on-gcp](https://cloud.google.com/solutions/partners/openshift-on-gcp).

<sup>2</sup> F5 Networks, "The State of Application Delivery: 2018 Report," January 2018.

<sup>3</sup> IDC, "Unlock the Power of Data Capital: Accelerate DX," May 2018.

<sup>4</sup> PWC, "21st CEO Survey: The Anxious Optimist in the Corner Office," January 2018.