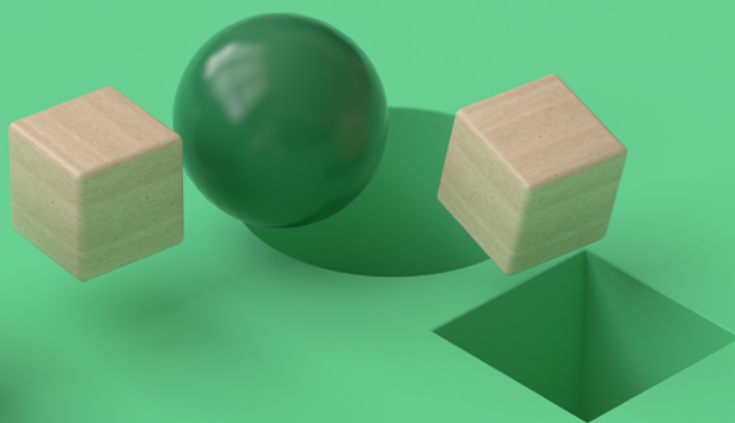


SOLUTION BRIEF

Virtual Desktop Service for Google Cloud

Simplify and automate virtual desktop deployment, orchestration, and scaling through a SaaS-delivered global control plane



Businesses continue to embrace the dynamic of shifting their workforce productivity model from primarily a traditional desktop environment to cloud-driven virtual desktop solutions. Integrating virtual desktop solutions into cloud environments has resulted in operational cost efficiencies with the flexibility to support desktop and software access regardless of where the user is physically located.

The virtual desktop business challenge

Businesses are finding that many aspects of virtual desktop management, such as provisioning and policy updates, can be hard and complex. These dynamics are further amplified by today's market realities:

- The current and long-term global environment where a remote workforce is the new normal
- The proliferation of mobile desktops and devices globally where employees can work anytime, anywhere and expect always-on access
- The changing nature of the global workforce dynamic itself as driven by speed, agility and a growing population of contractors or seasonal shift workers
- The minimum acceptable bar for virtual desktop deployments is that they must be robust, secure, flexible — and accessible from anywhere.

NetApp virtual desktop service: Global control plane

NetApp makes virtual desktop provisioning and automation easy. NetApp Virtual Desktop Service (VDS) is a global control plane for virtual desktop management that functions as an extension of the Google Cloud. With NetApp's VDS, businesses anywhere in the world can deploy a validated solution to address today's inefficiencies when managing virtual desktop solutions.

VDS is NetApp's SaaS solution to automatically provision, deploy, orchestrate and manage virtual desktops in Google Cloud. VDS extends cloud capabilities by delivering a global control plane to manage virtual desktops through all phases of the desktop lifecycle. VDS is a flexible solution, with open REST APIs, that is interoperable with your Google Cloud deployment strategy and your user's chosen endpoint devices.

Key benefits

Simplified virtual desktop deployment

- Unify management of virtual desktops across the entire Google Cloud environment
- Accelerate time to workforce productivity through rapid provisioning of workspaces that are synchronized with real-time data, software, and your applications
- Reduce complexity, process flows, and costs due to manual on-premise configuration of individual workspaces

Automated virtual desktop management

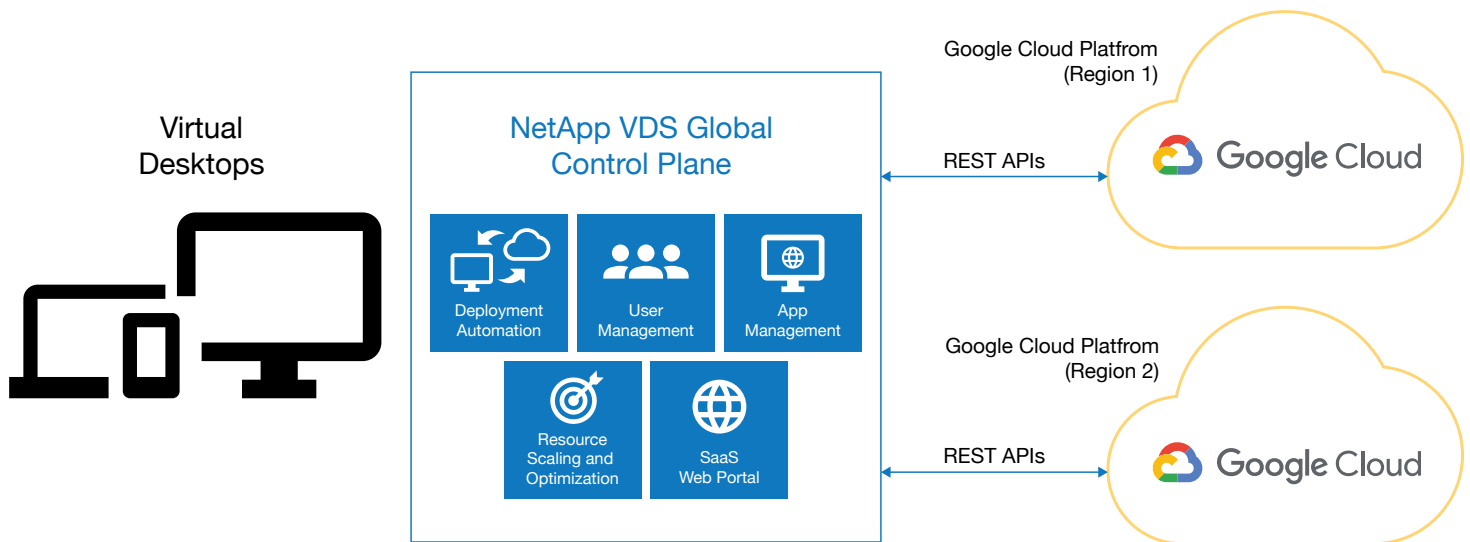
- Proactively plan and schedule software updates for all users, no matter where they are located
- Centrally integrate virtual desktop data orchestration, resource allocation, and workload movement seamlessly
- Leverage existing operational scripts for easy transition to automated environments

Optimize and scale virtual desktop capacity

- Scale workloads globally across multiple Google Cloud regions and adapt for surges in virtual desktop users and requirements
- Utilize the Resource Scheduling Engine to program resources to 'dial up/dial down' based upon your virtual desktop patterns in order to reduce operating cost
- Leverage the complete NetApp Cloud Data Services Suite for not only the virtual desktop control plane but also the underlying high-performance storage infrastructure, integrated backup and compliance features

VDS is optimized for Remote Desktop Services (RDS) on the Google Cloud Platform.

NetApp Virtual Desktop (VDS) Global Control Plane With GCP



Simplified virtual desktop deployment

The speed in which your business can accelerate time-to-productivity is critical. VDS is purpose-built to simplify the provisioning and deployment of virtualized desktop solutions. What differentiates VDS is its ability to serve as a unified global control plane spanning your entire virtual desktop footprint — across users, Google Cloud regions, and business locations.

VDS is a SaaS-delivered solution that presents a simplified User Interface (UI) and open REST APIs for flexibility and interoperability across the Google Cloud Platform. Your IT teams can now unify virtual desktop provisioning across the employee base while providing streamlined, policy-based access to data and application resources through VDS. This saves significant operational time and costs incurred from manual configuration of individual workspaces across office locations, clouds, and even variability in types of desktop hardware models.

Automated virtual desktop management

VDS empowers your IT teams to streamline and automate virtual desktop policy management and software updates for all users, no matter where they are located. This mitigates risk of application errors, server downtime and security inconsistencies when accessing critical services.

Virtual desktop management functions that can be automated and orchestrated with VDS include user identity refreshes, optimized authentication routines, migration of data files, storage assignments and unique access configurations—whether by individual user or by department.

Optimize and scale virtual desktop capacity

VDS empowers your business to optimize and scale ongoing desktop resources to control costs and reduce complexity across the enterprise. Our embedded Resource Scheduling Engine allows your IT teams to program resources to ‘dial up/dial down’ based upon your virtual desktop patterns so that operating costs can be reduced. VDS also dynamically manages capacity planning of virtual desktops through intelligent resource scaling and load balancing of workspace resources. This can include increased processing power for graphic intensive applications, sudden surges in virtual desktop users or reduced work throughputs during holiday seasons. VDS’s LiveScaling feature optimizes your cloud server resources dynamically, including the refresh of Virtual Machine (VM) images.

VDS can be provisioned with NetApp enterprise-class shared cloud storage for more inclusive backup, snapshot, and compliance capabilities. VDS can also perform geographic level scaling, when combined NetApp Global File Cache (GFC), allowing virtual desktop resources to remain close to regional user populations in different Google Cloud regions while leveraging centralized, consolidated storage.

About NetApp

In a world full of generalists, NetApp is a specialist. We’re focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world’s biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services and applications to the right people—anytime, anywhere. www.netapp.com

