

Solution Brief

Virtual Desktop Service

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

Solution Benefits

Simplified Virtual Desktop Deployment

- Unify management of virtual desktops across private, public, and hybrid cloud environments
- 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-premises 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 across multiple global cloud environments to adapt for surges in virtual desktop users
- Utilize the *Resource Scheduling Engine* to program resources to “dial up” or “dial down” based upon your virtual desktop patterns in order to reduce operating costs
- 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

Businesses continue to shift from a traditional desktop workforce productivity model to cloud-driven virtual desktop solutions. Integrating virtual desktop solutions within the private cloud, the public cloud, or a hybrid environment has resulted in operational cost efficiencies with the flexibility to support desktops 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 and seasonal shift workers

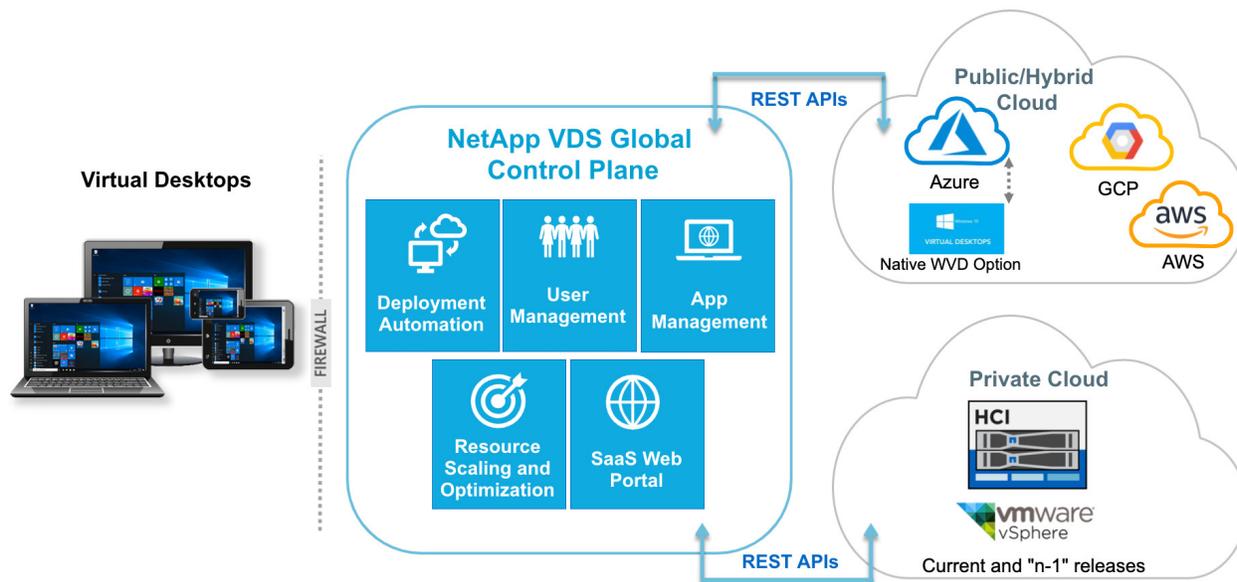
The minimum acceptable bar for virtual desktop deployments is that they must be robust, secure, flexible—and accessible from anywhere.

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 cloud. With NetApp VDS, businesses anywhere in the world can deploy a validated solution to address today's inefficiencies when managing legacy virtual desktop solutions.

NetApp VDS is NetApp's SaaS solution to automatically provision, deploy, orchestrate, and manage virtual desktops in any cloud environment. VDS can also support private, on-premises HCI environments. VDS extends cloud capabilities by delivering a global control plane to manage virtual desktops through all phases of the desktop lifecycle. And VDS is a flexible solution, with open REST APIs, that is interoperable with your private, public, or hybrid cloud deployment strategy and your users' chosen endpoint devices.

NetApp VDS supports Remote Desktop Services (RDS) on major public cloud environments including Microsoft Azure, Amazon Web Services, and Google Cloud Platform as well as on-premises HCI environments with VMware. NetApp VDS also provides native support for Microsoft's Windows Virtual Desktop (WVD) solution in Microsoft Azure.



Simplified Virtual Desktop Deployment

The speed at 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, clouds, 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 cloud environments (private, public, hybrid) on on-premises HCI environments. 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” or “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 with NetApp Global File Cache (GFC), allowing virtual desktop resources to remain close to regional user populations while leveraging centralized, consolidated storage.

About NetApp

NetApp is the data authority for hybrid cloud. We provide a full range of hybrid cloud data services that simplify management of applications and data across cloud and on-premises environments to accelerate digital transformation. Together with our partners, we empower global organizations to unleash the full potential of their data to expand customer touchpoints, foster greater innovation and optimize their operations. For more information, visit www.netapp.com. #DataDriven