Solution Brief

Virtual Desktop Service for Azure WVD

Simplify and automate Windows Virtual Desktop (WVD) deployment and management in Azure

Solution Benefits

Simplified Virtual Desktop Deployment

- Ease deployment of virtual desktops across Microsoft's Azure and Windows Virtual Desktop 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-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 Microsoft Azure 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 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 back-up and compliance features

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 Azure offers the promise of operational cost efficiencies with the flexibility to support desktop and application access regardless of where the user is physically located…if done right.

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. When orchestrated properly, Windows Virtual Desktop in Azure delivers on this challenge.

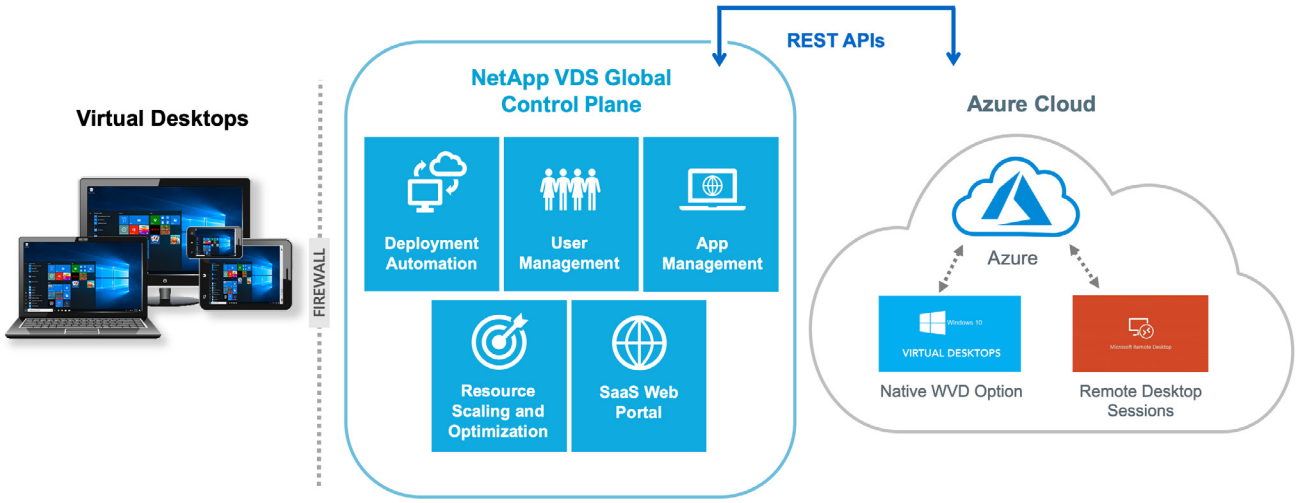
NetApp's Virtual Desktop Service: Your Global Control Plane

NetApp makes virtual desktop provisioning and automation easy. NetApp's Virtual Desktop Service (VDS) is a global control plane for virtual desktop management that functions as an extension of Azure. With VDS, businesses anywhere in the world can leverage the power of Windows Virtual Desktop (WVD) faster, with less risk and cost, as they manage their growing virtual desktop infrastructure.

VDS is NetApp's SaaS solution to automatically provision, deploy, and manage virtual desktops in Azure and regardless of whether they are traditional RDS sessions, or Azure's new WVD instances. 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 Azure and WVD deployment strategy.

NetApp®

NetApp Virtual Desktop Service (VDS) Global Control Plane



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 all layers of your entire virtual desktop infrastructure — across user characteristics, your Azure infrastructure, the WVD instances themselves (including the application stack), and across geographically distant Azure regions and workspaces.

VDS is a SaaS-delivered solution that presents a simplified User Interface (UI) and open REST APIs for flexibility and interoperability across your Azure footprint. 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 the policy-based management and software updates for all of your users, no matter where they are located. This mitigates risk of both manual and application errors, server downtime and security inconsistencies when updating critical services.

Virtual desktop management functions that can be automated with VDS include tasks such as 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 by releasing resources that are unused at any given time and re-enabling them on demand through our patent-pending Wake on Demand capability.

VDS can be provisioned with enterprise-class storage such as NetApp Cloud Volumes, or Azure NetApp Files for full-spectrum 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 your users around the world, 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