



Solution Brief

Stay Ahead of Disruption with Resiliency

Transforming Business Continuity



Business continuity is more than just a plan to recover from disaster; it's a survival strategy for enterprises. Managing IT operations in a world where vulnerabilities, disasters, and threats are increasing makes remote access and availability of data and applications of paramount importance for sustaining an always-on business. Companies are reinventing business continuity with resilience to weather these disruptive times.

The groundwork for business continuity is often laid in the first draft of a company's strategy. Dusted off in time of need, your business continuity plan is the basis for understanding how your organization can continue to function in the event of a disaster. Investing in cloud-based data services helps you to be proactive, act quickly, make insightful decisions, and ensure organizational success.

With this reassessment, business leaders face a dynamic situation to avoid downtime in demanding remote and complex environments. When unexpected circumstances arise, you must respond by mobilizing to support your employees, customers, and partners—all while preparing for what might happen next. NetApp is here, ready to work with you to enable business continuity and progress during these disruptive times. We can help you support remote-access workers, establish safe workspaces, keep your data and applications available, and prepare for and avoid disruptions.

Data Protection and Application Access

As more enterprises move online and employees' transition to remote work environments, companies are experiencing sudden influxes of traffic and data. You can stay ahead of application performance and availability challenges by rationalizing where your apps and data live. Storage is often the most crucial component of application performance. NetApp can help you rationalize your data and application infrastructure, move data between on-premises and cloud and ensure data availability across clouds.

Your business demands it all: hybrid cloud strategy, security, data production, big data analytics, and more. IT must adapt to rapid technical innovation by trading depth for breadth of expertise. Your IT team requires modern hybrid cloud data services solutions with user interfaces that are designed for the IT generalist: simple, fast workflows for the business outcomes that matter the most during a time of crisis. NetApp offers a wide range of simple solutions that optimize cost and deliver resilience.

Businesses are under pressure to reengineer applications to meet rapidly changing customer needs or to move critical applications between sites to avoid disruption. Remote work and data center pressure bring to light processes that are not automated and that may even require a physical presence to execute. NetApp offers solutions that enable application continuity and data availability across clouds for DevOps processes and tools while including built-in functionality to drive automation.

Support an Elastic Workforce and Safe Workspaces

Companies around the globe are implementing remote work policies and building out safe workspaces that require applications and data to be available on multiple types of devices from almost any location. Many enterprises rely on end-user computing (EUC) and virtual desktop infrastructure (VDI) solutions like Windows Virtual Desktop, Citrix Virtual Apps and Desktops, or VMware Horizon 7. To support these technologies with high numbers of users, you need an infrastructure that is always available, massively scalable, and highly secure. When your infrastructure begins to show signs of pressure, you need to act fast before performance—and employee confidence—is seriously compromised. NetApp can help you to rapidly become a highly secure, virtual organization. We can help you to build and deploy cloud-based EUC and VDI today or bolster your on-premises capabilities with scalable infrastructure solutions.

Navigate Disruption, Be Proactive, and Become Resilient

Disruptions come in many forms and are, for the most part, unplanned. Why not take measures to help prepare for—and avoid—the next wave of potential disruptions? Uncover opportunities to proactively protect and optimize your environment. This enables you to address potential threats before they arise and make smarter decisions about your storage for optimal data management. Continuous risk assessments, predictive alerts, and automated case opening help you uncover and prevent problems before they occur. From the public cloud to the data center to the remote office, monitoring, troubleshooting, and optimizing all of these environments can become a complex management nightmare. Now more than ever you need the ability to be proactive and address potential problems and threats before they arise.

Reduce the Risk of Cybercrime

The massive increase of remote access has been marked by an exponential increase in cybercrime, including phishing attacks, ransomware, and industrial espionage. As an expert in data storage, NetApp can help you protect your data wherever it lives—from your data center to the public cloud. NetApp and its partners can supplement your existing security programs by monitoring data access to spot anomalies. We can assess your end-to-end security posture, and we can take proactive steps to prepare for ransomware, prevent it, and design an end-to-end framework for data protection and security.

Fast and Easy Consumption

The challenges of IT purchasing can be exceptionally difficult, with costs for data, infrastructure, cloud, and myriad other technologies. NetApp® Keystone™ can lessen the complexities associated with IT infrastructure and lifecycle management. NetApp Keystone gives you a clear, easy-to-follow path forward for buying and managing IT, freeing your employees to focus on more important business.

There are two new models of consumption:

- **Subscription services.** Consume NetApp systems and software on your premises with cloudlike subscription models. You get NetApp solutions delivered as a service for a monthly fee, the ability to burst capacity when needed, and the flexibility to grow into the public cloud when necessary. Choose a performance tier (not a system); choose a storage service type—block, file, or object; and choose who manages it—you or us.
- **Ownership experience.** For customers who want to continue to own and operate NetApp technology with traditional purchasing models, we have radically simplified the experience. It's now easier to buy, optimize, and grow our solutions with streamlined configuration and quoting processes; cloudlike service guarantees for efficiency, performance, and availability; AI-driven insights to optimize system health; and dynamic scaling of systems node by node or to the public cloud. This is a truly modern purchasing and ownership experience that sets NetApp apart in the industry.

Keeping Employees, Partners, Customers, and Your Data Safe

These new circumstances require NetApp to respond in new ways to help our customers support the needs of remote-access workers, ensure the availability of data and applications, and ensure business continuity during these disruptive times. NetApp looks forward to working with you to find the right solutions and services to keep your business moving forward.

At NetApp, we are committed to providing business continuity to our partners and customers through cloud-based data services that help remote workers with application access and help ensure data protection.

About NetApp

NetApp is the leader in cloud data services, empowering global organizations to change their world with data. Together with our partners, we are the only ones who can help you build your unique data fabric. Simplify hybrid multicloud and securely deliver the right data, services, and applications to the right people at the right time. Learn more at www.netapp.com.

Transforming Business Continuity

REMOTE ACCESS	APPLICATION ACCESS AND DATA PROTECTION	STAY IN CONTROL	REDUCE THE RISK OF CYBERCRIME
<ul style="list-style-type: none"> Azure NetApp Files and NetApp Cloud Volumes Service help you manage VDI shared storage resources across cloud vendors and regions, supporting all major EUC and VDI cloud solutions: NetApp Virtual Desktop Service Windows Virtual Desktop Citrix with Citrix Workspace and Citrix Virtual Apps and Desktops VMware Horizon Cloud on Microsoft Azure VMware Horizon View on VMware Cloud on AWS AWS with AWS Workspaces Google Cloud with GPU workspaces Microsoft FSLogix for user profiles, app publishing, and home directory management EUC and VDI solutions powered by NetApp HCI and FlexPod® can help organizations set up a scalable work-from-home infrastructure so that users can access applications and data with any device at any time, anywhere and everywhere. Prebuilt solutions include: NetApp HCI for Virtual Desktop Infrastructure with VMware Horizon 7 NetApp HCI for Citrix Virtual Apps and Desktops with VMware vSphere FlexPod Datacenter with Citrix XenDesktop and NVIDIA GRID FlexPod Datacenter with VMware Horizon View 7.3 and VMware vSphere 6.5 Update 1 with Cisco UCS Manager 3.2 for 5000 Seats FlexPod Datacenter with Citrix XenDesktop/XenApp 7.15 and VMware vSphere 6.5 Update 1 for 6000 Seats FlexPod for 3D Graphics Visualization for Citrix and NVIDIA FlexPod for 3D Graphics Visualization with VMware and NVIDIA 	<p>NetApp offers a wide range of solutions that rationalize where applications and data live to improve performance cost effectively.</p> <ul style="list-style-type: none"> Data protection, replication, and continuous availability: NetApp ONTAP® data management software can simplify data protection with set-it-and-forget-it policy management, while delivering business continuity with NetApp MetroCluster™ software and zero RPO for critical application data. NetApp SnapMirror® offers fast, efficient, array-based data replication for backup, disaster recovery, and data mobility. MetroCluster delivers continuous availability to protect data by implementing two physically separate, mirrored clusters. Data synchronization: NetApp Cloud Sync enables secure, fast, automated replication and synchronization for transferring data between on-premises and cloud object stores. Data mobility: ONTAP can be deployed on premises (running on NetApp AFF and FAS systems) and in the cloud (NetApp Cloud Volumes ONTAP) to enable simplified data management across your hybrid cloud. You can move data to all three main public clouds and then move it back on premises, helping to build a robust disaster recovery architecture. Automated data tiering: With ONTAP FabricPool, you can tier cold data between sites and clouds according to business rules. You can quickly add cloud capacity while also freeing up high-performance on-premises AFF all-flash capacity to consolidate more enterprise applications. All-flash arrays: To reduce the risk of disruptions, AFF systems deliver superior reliability, best-in-class data services, and cloud integration. 	<p>Uncover and prevent problems before they occur.</p> <ul style="list-style-type: none"> NetApp Cloud Insights gives you visibility into your complete multivendor, multicloud infrastructure. Advanced data collection and analytics capabilities enable you to monitor, troubleshoot, and optimize all your resources, from public clouds to your private data centers. NetApp Active IQ® gives you visibility into the health of all your NetApp systems. Fueled by telemetry data from more than 300,000 systems, Active IQ uses AI and predictive analytics to guide you on how to proactively optimize your infrastructure. Active IQ Unified Manager helps you monitor the health, availability, capacity, performance, and data protection status of your on-premises AFF and FAS systems. 	<p>Azure NetApp Files and Cloud Volumes Service help you manage VDI shared storage resources across cloud vendors and regions.</p> <ul style="list-style-type: none"> Microsoft Windows Virtual Desktop Citrix with Citrix Workspace and Citrix Virtual Apps and Desktops VMware Horizon Cloud on Microsoft Azure VMware Horizon View on VMware Cloud on AWS AWS with AWS WorkSpaces Google Cloud with GPU workspaces Microsoft FSLogix for user profiles, app publishing, and home directory management <p>FlexPod VDI includes all the hardware components you need to support virtual desktop and learning environments. Simple and secure, you can start small with a solution to support a few users and then scale to support your entire organization.</p> <ul style="list-style-type: none"> FlexPod for Citrix XenDesktop and NVIDIA GRID FlexPod Datacenter with VMware Horizon View 7.3 and VMware vSphere 6.5 Update 1 with Cisco UCS Manager 3.2 for 5000 Seats FlexPod Datacenter with Citrix XenDesktop/XenApp 7.15 and VMware vSphere 6.5 Update 1 for 6000 Seats <p>NetApp HCI lets you mix, match, and scale storage and compute resources to meet the needs of task, knowledge, and other workloads side by side with guaranteed performance</p> <ul style="list-style-type: none"> NetApp HCI for Virtual Desktop Infrastructure with VMware Horizon 7 NetApp HCI for Citrix Virtual Apps and Desktops