

Achieving Business Resiliency with NetVault® Plus

Accelerating recovery and reducing the risk of data loss

IT staff tasked with backup and recovery, disaster recovery, and business continuity face many challenges. Every day organizations encounter accidental changes to systems and data, system outages, storage failures and viruses or malware; The latest risk comes from ever-growing ransomware attacks. And while cliché and rare, man-made and natural disasters are pervasive.

System downtime and data loss are costly to the business. A recent Forbes article¹ stated, “An overwhelming 82% of companies have experienced at least one unplanned downtime incident over the past three years. Most have suffered two or more.”

There are both hard costs and soft costs to the business. Unproductive employees, wasted resources and materials, lost revenue and margins and lost sales are the immediate costs. But the impact on the company’s reputation, customer service and relationships can have an even longer-lasting impact.

According to Uptime’s 2022 Data Center Resiliency Survey², 80% of data center managers and operators have experienced some outage in the past three years – a marginal increase over the norm, which has fluctuated between 70% and 80%. They reported that the proportion of outages costing over \$100,000 has soared in recent years. Over 60% of failures result in at least \$100,000 in total losses, up substantially from 39% in 2019. The share of outages that cost upwards of \$1 million increased from 11% to 15% over that period.

An important part of any business resiliency or business continuity plan is to clearly define the acceptable Recovery Time Objectives (RTO): How long it takes to recover and Recovery Point Objectives (RPOs): How much data the business is willing to lose - with IT working closely with business leaders. They need to prioritize their systems, applications and data. Not everything is critical. Not everything needs the best RPO and fastest RTO.

Backup and Recovery (aka Data Protection) is the first line of defense after any unexpected system crash, application outage or data loss/damage. It is the most relied-on technology by companies and non-profit organizations across the globe. But how the data protection solution is used and how often it’s used varies from organization to organization. Some perform backups monthly, some weekly, some daily and some run multiple backups each day. For some business-critical applications and data, IT organizations may even deploy ongoing mirroring, replication and other high-availability solutions. How often you perform a backup is driven by your RPO goals.

There are also many storage solutions used as part of the data protection strategy. Years ago, backup to tape was prevalent, but with disk-based storage prices dropping year after year, most IT organizations perform a backup to disk – mostly for performance reasons. Today, many use a public or private cloud as their backup target, especially with the declining costs of cloud object storage. Which medium and

what location you use is influenced by your RTO goals. Critical data should be stored locally on disk – most likely a RAID device for the best protection and the fastest recovery. Less critical data can be stored in the cloud or even on tape. A best practice is using a 3-2-1 approach where you have three copies of your data stored on two different media, where one copy is kept offsite at a geographically distant location.

NetVault Plus for Business Resiliency

NetVault Plus is an enterprise-class data protection software solution. Unlike purpose-built backup appliances (PBBA), you select the server, operating system and storage that meets your needs. It protects all your systems, applications and data, so you can have a single solution in most cases versus deploying and managing multiple point solutions. This simplifies data protection and lowers your total cost of ownership (TCO).

NetVault Plus protects both physical and virtual environments and supports a wide range of virtualization solutions, including VMware, Hyper-V, Nutanix and Red Hat. You can create as many backup scenarios as you need to meet your specific RPO goals based on the application and data criticality. Some options include scheduled backups, continuous data protection via infinite incremental backups and synthetic full backups.

NetVault Plus lets you easily define a 3-2-1 backup strategy through backup to the cloud, replication and cloud tiering capabilities. This way, you can ensure your systems, applications and data are protected and recoverable – even with the loss of an entire data center. You can back up directly to the cloud and replicate backups to a remote site or public cloud.

For ransomware protection and recovery, NetVault Plus provides backup immutability where backup data cannot be changed or deleted during the defined retention period. And when not using an immutable backup job, you can leverage the immutable backup recycle bin to store any backup data deleted before the retention period automatically. NetVault Plus also protects against ransomware with data encryption, a proprietary storage protocol and multi-factor

authentication for administration access. It also provides air-gap backups to cloud and tape.

For security, you can meet regulatory requirements with CAST-128, AES-256 or CAST-256 support. NetVault Plus is certified for FIPS 140-2 Level to address government data security requirements

To minimize backup storage costs, NetVault Plus provides unsurpassed global source-side data deduplication that can be used on-premises, at remote sites and in the cloud. Users experience up to 93% savings in storage – depending on the data type and backup frequency. You can also leverage its cloud-tiering to keep more current backups onsite and migrate older backups to low-cost cloud object storage.

To address your recovery needs, NetVault Plus delivers centralized recovery management, regardless of where your backups are stored—on-prem disk or tape, at a remote site or in a public or private cloud. Its Instant Restore feature lets you instantly recover a virtual machine by mounting a VM image snapshot directly from its deduplicated storage repository.

NetVault Plus provides a comprehensive and proven system, application and data protection and recovery solution. Thousands of organizations across the globe rely on it every day for backup, recovery, disaster recovery and long-term data retention.

To learn more about NetVault Plus, download our [datasheet](#).

[Try NetVault Plus in your own environment for free.](#)

About Quest

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Microsoft 365 migration and management, and cybersecurity resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.

¹ [Unplanned Downtime Costs More Than You Think](#)

² [Uptime Institute's 2022 Outage Analysis Finds Downtime Costs and Consequences Worsening as Industry Efforts to Curb Outage Frequency Fall Short](#)