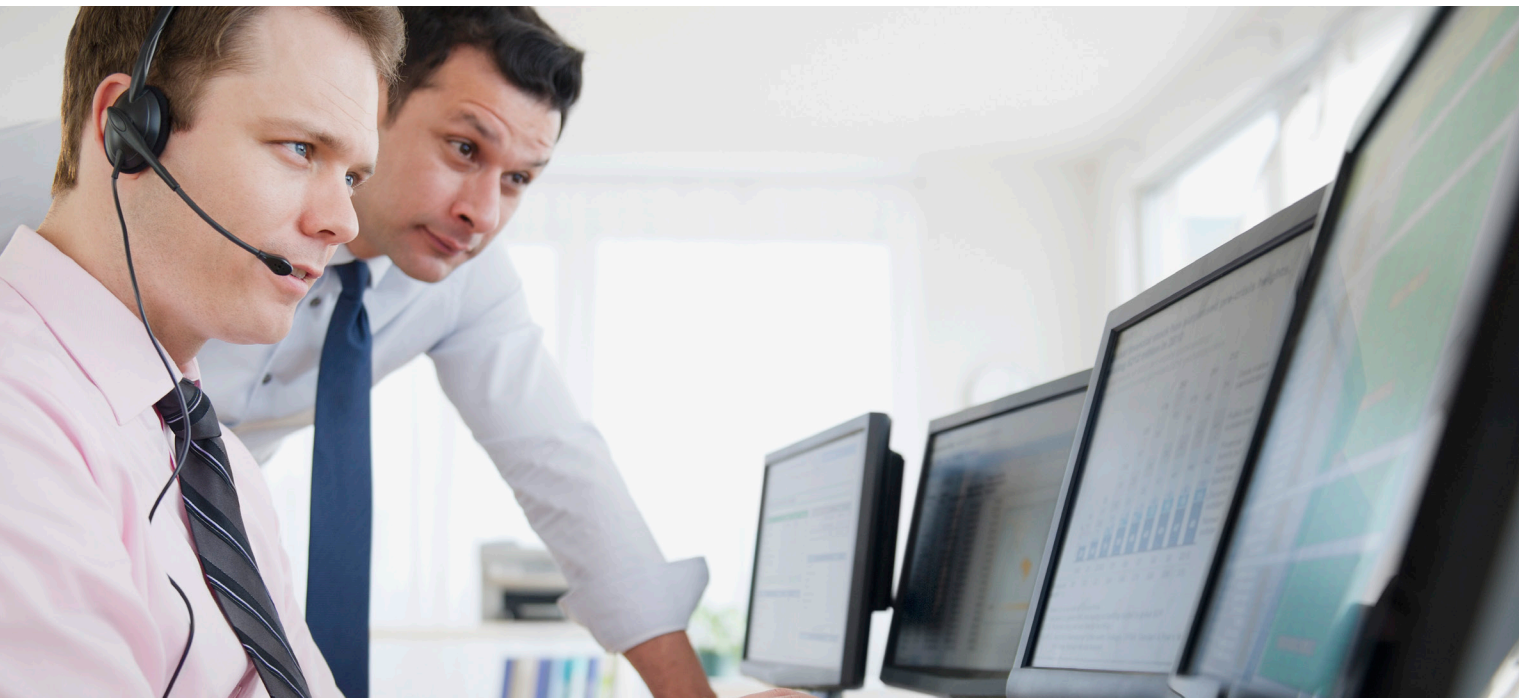# Enterprise Backup and Recovery Made Easy

Quest® NetVault® Backup is simple to install, simple to navigate and simple to maintain — enabling you to protect your complex IT environment, without compromising performance or your business needs.

By John Connor, NetVault Backup Product Manager, Quest Software

Protecting enterprise data in a complex IT environment is challenging, time-consuming, cumbersome and often incomplete. First of all, it's not uncommon for backup and recovery technologies to be complicated to install, often requiring help from the vendor's professional services staff, which adds to your total cost of ownership (TCO). Then learning to manage and maintain them for your ongoing backup and recovery needs can take a lot of time, effort and patience — especially if your environment has multiple operating systems and applications and is heavily virtualized.

Quest® NetVault® Backup, on the other hand, is a breeze to get up and running and simplifies enterprise backup and recovery, from installation and deployment to everyday management and use — ensuring rock-solid protection for your entire IT universe and ultimately saving you time, money and other resources.

If you manage a growing and diverse IT environment, NetVault Backup will protect all of your data; it supports most major operating systems and virtual environments, provides advanced protection for network-attached storage devices and databases

(including Oracle, Exchange, SQL Server, DB2 and SAP), and allows you to back up to disk or tape. In short, NetVault Backup has got your back.

SIMPLE TO INSTALL AND DEPLOY

You have three options when installing NetVault Backup: graphical, text or unattended — and all three are designed to make the process easy and adaptable to your needs. For the graphical install, you simply click through a few straightforward setup screens, and NetVault Backup will be ready to go in minutes. You can also install NetVault Backup in text mode using Unix or Linux.

Unattended mode is a push installation method that lets you install one or more of the NetVault components on remote Windows machines, with little to no user interaction. This method can be used to install or upgrade the NetVault Backup client software and NetVault Backup plug-ins on multiple machines, all from the NetVault Backup web-based user interface. Push install streamlines configuration of your initial NetVault Backup installation as well as updates and other management tasks.

And the beauty of a NetVault Backup install is that its modular architecture enables you to install and configure only the components and plug-ins you need — such as for the Oracle database or Microsoft Exchange — rather than the entire product set, which saves a lot of time and other IT resources. So your life is simplified even before you start using the product.

SIMPLE TO USE

NetVault Backup just makes enterprise-level data protection easy. Does your infrastructure include a combination of on-premises, cloud and hybrid technologies? Do you have both physical and virtual components to your environment? In fact, are you starting to develop a bit of VM sprawl? Simplify data protection in this complex environment with a single solution. The well-organized user interface in NetVault Backup is straightforward and easy to understand, delivering only what you need, where you need it and how you need it.

Protect your entire IT universe

When you're managing a large IT environment with many components, it can be not only cumbersome to implement a data protection plan but also stressful to make sure everything is sufficiently protected. NetVault Backup simplifies the process and covers all of your critical applications, databases, operating systems, storage technologies and more.

You'll be able to maintain your IT investment and keep your legacy systems intact, with no need to replace or add anything to get your enterprise backup and recovery in shape. At the same time, NetVault Backup supports you as your infrastructure grows and evolves. When you add new technologies and systems, everything will be protected by a single solution.

You can back up to virtual tape libraries (VTLs), tape drives, optical drives, deduplication appliances or choose cloud-based data storage with the Amazon Web Services gateway. In addition, you'll get advanced application and database protection for Oracle, Exchange, SharePoint, SQL Server, MySQL, PostgreSQL, DB2 and SAP.

If your organization has international reach or you use technologies from global providers, you'll still be protected across the board and the setup and maintenance is just as easy. Quest partners with a range of global enterprise technology companies, making the NetVault Backup solution ideal for global enterprises that need support for multiple languages and international flexibility.

Speaking of flexibility, having options is key in today's business environment — especially when it comes to IT administration for global companies spread out over multiple time zones. Data protection happens around the clock and disasters

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can strike at any time of day or night. With an intuitive browser-based interface, NetVault Backup allows you to manage enterprise backup and restore tasks using your desktop, laptop or tablet, from anywhere at any time.

Does your organization use a single sign-on system? Nothing to worry about there. NetVault Backup integrates with Active Directory (AD), allowing you to use your existing AD credentials to log in. You'll see improved security and access control of the backup environment. In addition, you can greatly streamline rights management by importing user groups from AD right into NetVault Backup. Privileges, rights and role-based access, and usage parameters all apply exactly the same in NetVault Backup. Plus, a faster and easier login means greater productivity for your team.

Go with the flow from day to day

When it comes to actually using NetVault Backup on a day-to-day basis, you'll be amazed at how easy it is to manage your data flow. The dashboard provides a single, graphical view of everything in your environment, which means you get real-time monitoring of your backups at all times. It's then easy to spot and quickly troubleshoot bottlenecks in different areas of your infrastructure.

You'll see significant performance improvements and increase storage efficiency, thanks to client-side deduplication and compression capabilities via integration with the Quest QoreStor™ software-defined secondary storage platform. This integration also helps reduce capital expenses because QoreStor can be deployed on commodity hardware. Create, use and manage your targets all from within the NetVault Backup interface. NetVault Backup also integrates with other deduplication technologies, including the Dell EMC Data Domain product line and its Data Domain Boost technology.

When someone loses a file or a part of your system crashes, that's when NetVault Backup really kicks into high gear. Its powerful search capability enables you to search across millions of files or objects and get a result in seconds. Easily find and select the information you need, and quickly perform a restore from there to

greatly reduce the data recovery time and associated stress that comes with disaster recovery.

Sometimes disaster hits hard and you need to recover even more. NetVault Backup also makes this process easier with bare metal restore capabilities. Quickly rebuild your server — including its operating system, settings, applications, disk partitions and data to ensure that your servers are back online as soon as possible. Establish online full-partition backup, offline block-level backups and Windows VSS-based backups. Recover servers from bare metal to similar hardware, dissimilar hardware or virtual machine.

All systems all the time

All of this is great, but what about your users and the business that needs to keep running smoothly even when disaster strikes? NetVault Backup sets you up to maintain application availability through any kind of IT weather. Reduce impact on your host system by using lightning-fast array-based snapshots and minimize data loss. NetVault Backup supports application-aware Storage Area Network (SAN) snapshots that offer significantly easier and faster backups than traditional backup systems — in fact, you'll achieve recovery time objectives (RTOs) and recovery point objectives (RPOs) that are virtually impossible to achieve with a traditional backup system. These application-aware storage-level snapshots are available for full-volume and granular-level recovery. "Application-aware" means that the snapshot-based backups are application-consistent and provide a fully restorable and restartable copy of the application storage.

With NetVault Backup, you'll also see improved scalability. If you're managing an enterprise-level virtual environment, you don't need to be reminded of how complex it is nor how huge, and you already know that it's growing by the minute. The good news is, NetVault Backup includes a powerful VMware plug-in that automatically balances all of the backup jobs you are running in a VMware environment across a set of proxies, enabling you to protect a larger number of virtual machines at one time. NetVault Backup distributes virtual backups across multiple clients from

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> NetVault Backup distributes virtual backups across multiple clients from a single unified view.

a single unified view, so you're not only simplifying on the front end of your infrastructure but also on the back end.

Another boon to your enterprise backup and recovery strategy is the improved throughput and performance that NetVault Backup brings to the table. Multistreaming capabilities enable you to send multiple, unique data backup streams simultaneously.

In addition, easy-to-manage policy management capabilities ensure that set backup schedules are followed and best practices are used consistently across your organization. Policies provide predefined schedules for backup to ensure a consistent and reliable recovery method.

SIMPLE TO SAVE RESOURCES

Streamlining administration tasks, reducing IT bottlenecks, and enabling custom functionality not only makes your life easier, but also saves you time, which is worth so much. Time equals money, but it also means you can focus on more strategic and creative endeavors for your organization. And who doesn't want to do that?

NetVault Backup makes data protection more cost-effective in other ways too. Because we designed the NetVault Backup solution around core server technology with a layered approach for protecting your environment, at any time we can speed development on one aspect of the technology. For example, if we'd like to update a particular plug-in, say for VMware, we can focus solely on that plug-in without having to spend time and

resources updating the core technology in NetVault Backup or the backup server. This allows Quest to be much more agile in the way we approach developing each technology stack. Our modular development style allows us to react quickly to customer needs rather than saving up feedback until the next core release. In turn, this means you get faster updates to individual technologies at a more cost-efficient price point.

Our capacity-based editions — NetVault Backup Standard Capacity Edition and NetVault Backup Enterprise Capacity Edition — offer the ultimate in flexibility, enabling you to deploy the right combination of operating system, database and application plug-ins to best meet your enterprise backup and recovery needs.

If your environment requires a comprehensive solution for VMware, Windows, Linux and UNIX, NetVault Backup will cover it all, without any special node-based licensing keys for each server type. As your business needs evolve, you have the flexibility to easily scale your capacity-based licensing to adapt and include additional capabilities.

CONCLUSION

Simple to install, simple to configure, simple to maintain — all of this adds up to faster time to value. NetVault Backup makes a complex environment simple to protect — without compromising on the technology and features demanded by your modern enterprise.

Learn more about NetVault Backup on our website.

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ABOUT QUEST

At Quest, our purpose is to solve complex problems with simple solutions. We accomplish this with a philosophy focused on great products, great service and an overall goal of being simple to do business with. Our vision is to deliver technology that eliminates the need to choose between efficiency and effectiveness, which means you and your organization can spend less time on IT administration and more time on business innovation.