

NetVault SmartDisk

Fast, cost-effective and scalable disk-based backup and deduplication for NetVault Backup and vRanger

When it comes to disk-based backup of your business-critical data, what once seemed impossible on a limited storage budget is now easily attainable. Retaining a rapidly growing volume of data, backing it up within small windows that don't run into working hours, and ensuring the data can be reliably recovered is significantly easier and less costly with NetVault SmartDisk.

This powerful data deduplication solution frees up storage space and reduces storage costs, yet requires only a minimal level of expertise to operate. Using an efficient byte-level, variable-block deduplication engine,

SmartDisk ensures the highest levels of efficiency by analyzing data with more granularity. It also has the ability to dynamically change the block size to recognize more duplicate patterns. This approach can reduce the backup storage footprint by up to 90%.

SmartDisk is also hardware agnostic, so it will operate in your existing storage infrastructure. This eliminates the need to purchase expensive, specialized appliances. And with SmartDisk's postprocess deduplication option, you can schedule the deduplication outside the backup window to prevent any impact on normal backup operations.

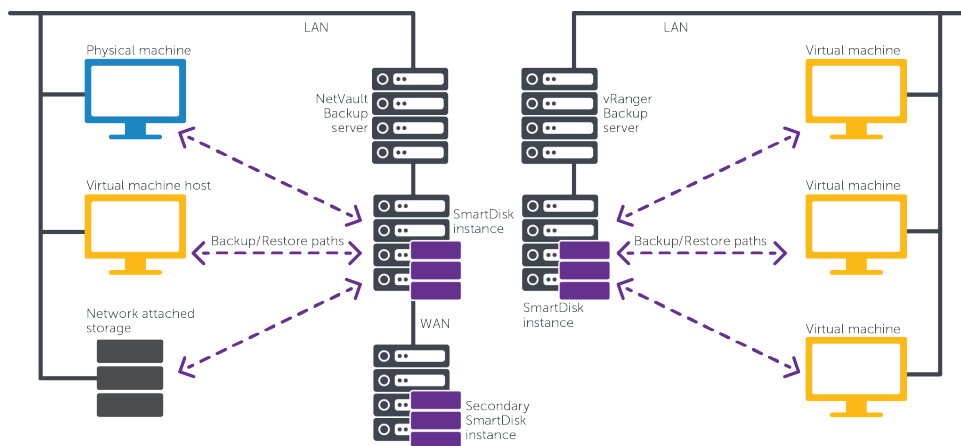
NetVault SmartDisk allows you to free up storage space and reduce storage costs, yet requires only a minimal level of expertise to operate.

Fast facts:

- Simplified disk-based backup
- Byte-level, variable block deduplication
- Software-based and hardware independent
- Post-process deduplication
- Rapid deployment with existing infrastructure
- Integrates with NetVault Backup and vRanger
- Deduplicates data across backup jobs and backup servers
- Replicates deduplicated data from one instance to another
- Easily scalable

Cost-saving benefits:

- Reduces data storage footprint by up to 90%
- Analyzes data at a more granular level to prevent fixed blocks from masking changes and storing duplicate data as unique
- Works on most file systems and eliminates need to acquire specialized appliances
- Allows you to scale by easily adding file system paths to existing storage pools reducing complexity and deferring storage expenses



NetVault SmartDisk's ability to share disk-based backup storage across heterogeneous platforms eases administrator workloads by providing a single data protection solution.

Supported platforms

- **NetVault Backup:** Windows, UNIX, Linux, and Mac OS X
- **vRanger:** Windows

Learn more and download trial versions at www.quest.com/data-protection/

Storage savings across mixed environments

NetVault SmartDisk seamlessly integrates with NetVault Backup, giving you greater control over your disk-to-disk backups and deduplication. In fact, you can turn deduplication on and off at the job level. This allows you to separately target deduplicated and non-deduplicated data to ensure the best storage savings and performance.

For efficient offsite disaster recovery protection, NetVault Backup users can replicate deduplicated data from one SmartDisk instance to another. Because only unique bytes are sent over the wire, replication is extremely efficient. When this capability is combined with NetVault Backup's job-level encryption, you can save on storage and maintain strict security standards by deduplicating the primary copy of your backup data, while encrypting the secondary copies for off-site storage and compliance needs.

Maximize storage resources in virtual environments

NetVault SmartDisk also integrates with vRanger, our backup and recovery solution purpose-built for VMware. Redundant data proliferates quickly in virtual environments. Your storage infrastructure shouldn't stifle growth. With this combination, you'll not only get continuous and integrated data protection for your entire vSphere environment, you'll be able to dramatically reduce your backup storage footprint. SmartDisk deduplicates data across all of your vRanger backup jobs, across all of your ESX(i) servers, even across multiple vRanger backup servers, allowing you to optimize your critical resources and allow room for growth.

As your disk-based backup and deduplication needs grow, the highly scalable SmartDisk architecture enables you to easily add more capacity without discarding existing deployments and wasting your previous investments. You also have the option to quickly deploy multiple SmartDisk instances to balance network, disk and deduplication workloads, as well as to ensure storage is not under-utilized.

Additional features

- **Deployment of multiple instances** allows you to distribute network loads and disk deduplication resources to improve load balancing and performance.
- **Shared storage support** enables you to share one storage repository across all of your physical and virtual backups.
- **Data movement support** within NetVault Backup lets you move data from one SmartDisk instance to another instance, or to VTL and tape-based devices to place redundant backups in off-site locations for failover and disaster recovery.
- **Fast restores** minimize downtime and achieve shorter recovery time objectives.

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