



## COMMVAULT SIMPANA AND DELL EQUALLOGIC PS SERIES

### Unified Data Management with iSCSI can deliver scalable storage solutions

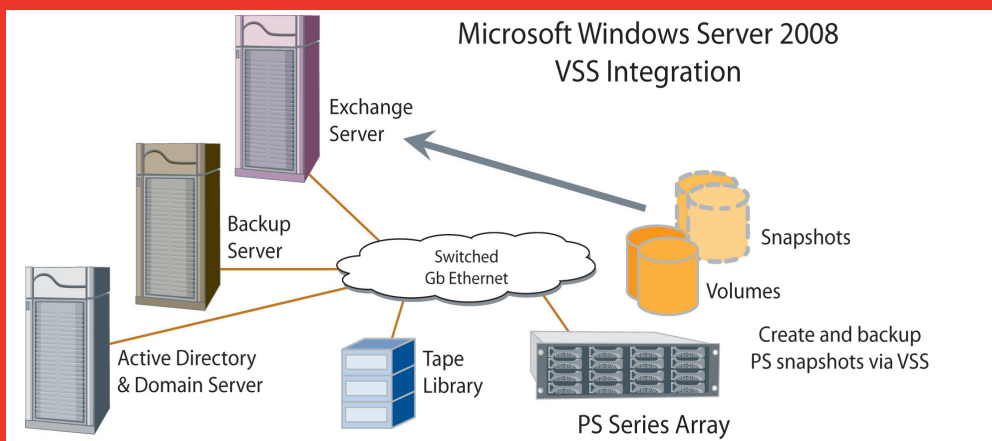
- Reduce replicated backup data volumes
- Off-host iSCSI SAN backups
- Fast recovery with PS Series Snapshots
- Deduplication with disaster recovery
- Consolidate Backup, Recovery and Archive
- Reduce restore times

CommVault® Simpana® Backup & Recovery is an “iSCSI aware” data and storage management solution that has been engineered for adaptive deployment, superior performance, and painless automation. Through Storage Policies, CommVault helps make it simple to implement even the most intricate data and storage management strategies and enforce them across your enterprise. Its innovative architecture allows the CommVault storage management intelligence to integrate with iSCSI SANs.

Through a simple, centralized browser-based interface, the CommVault solution automates data management and protection. You can administer enterprise-wide operations or manage a single vital system or logical resource. It even helps allow you to manage a heterogeneous environment of Windows®, NetWare®, UNIX®, and business applications with a policy-based, data-driven strategy to perform enterprise backup for your critical applications, regardless of platform.

With CommVault and Dell EqualLogic™ working together, you can take advantage of highly reliable and robust SAN-based data protection. The PS Series can provide highly available, highly performing, scalable storage that can be utilized for both production data and CommVault servers performing backups to disk or to tape. The PS Series can deliver the benefits of consolidated storage in an intelligent SAN that is affordable and easy to use, regardless of its size. With no single point of failure, automated management, and fast, flexible scalability, the PS Series are designed to reduce storage acquisition and management costs.

When CommVault Simpana and the Dell EqualLogic are configured to execute snapshot-based backup, you can help decrease backup windows and improve your restore times. In addition, PS Series snapshots can maximize storage efficiency and enable rapid restore, letting you revert back to previous data in the event of a failure.



The CommVault solution allows you to maximize Microsoft® Volume Shadow Copy Service (VSS), a “snapshot” technology built into Windows Server 2008. With this technology advantage, you can protect all your important data without needing open file manager technologies. CommVault’s tight integration with Dell EqualLogic and Microsoft can allow you to schedule, view, and manage low impact images of entire directories or file systems. Protection and management of Windows server data can now be easy and cost effective.

Also, with the use of application-specific backup agents you can execute the more granular recovery that is often required for today's business critical messaging and database applications, outside of a Microsoft environment. This enhancement allows you to quickly protect and restore critical server data and associated applications. It also extends to other open systems operating systems and applications, where there are otherwise no native "application aware" backup capabilities.

Dell EqualLogic's PS Series arrays can improve your backup and restore operations, from continuous backup operations to application-aware snapshots. The net result is highly reliable and scalable protection for your data. Not only is your data fully protected, but as data stores grow, you can easily increase the size of available capacity per volume and per deployment. As a general result, you not only gain capacity quickly and easily, but also improve performance as the arrays automatically load balance and virtualize access to each volume. Your result: the highest levels of performance, reliability, and scalability for applications and data.

When used together, Dell EqualLogic and CommVault Simpana can provide you with the following data protection benefits:

- Simple to use — centralized, browser-based interface
- Instantaneous disk-based recovery
- Performance improvement with growth
- Maximum data integrity — ability to migrate data intact from Windows 2000 or XP to Windows 2008
- Improved data availability — all system objects can be recovered
- Lowers risk — user access and control policies assure authorized usage
- Automated, centralized policy management increases System Administrator productivity
- Compatibility and support across Microsoft Windows server family

CommVault Simpana and the Dell EqualLogic PS Series arrays can be an ideal combination for data protection, regardless of the type of Windows server environment. Together they provide an innovative solution that incorporates Microsoft's design standards. The PS Series is a CommVault Qualified partner, and supports Backup & Recovery for Microsoft Windows 2008 Server Enterprise.

SIMPLIFY YOUR STORAGE AT [WWW.DELL.COM/PSseries](http://WWW.DELL.COM/PSseries)

