

# EMC Backup and Recovery for Microsoft SharePoint Server with Hyper-V

## Business Challenge

Enterprises are increasingly challenged to manage explosive information growth. As knowledge workers collaborate on projects and author documents, they frequently rely on Microsoft SharePoint to store critical information so that employees can locate, access, collaborate, and act on that information.

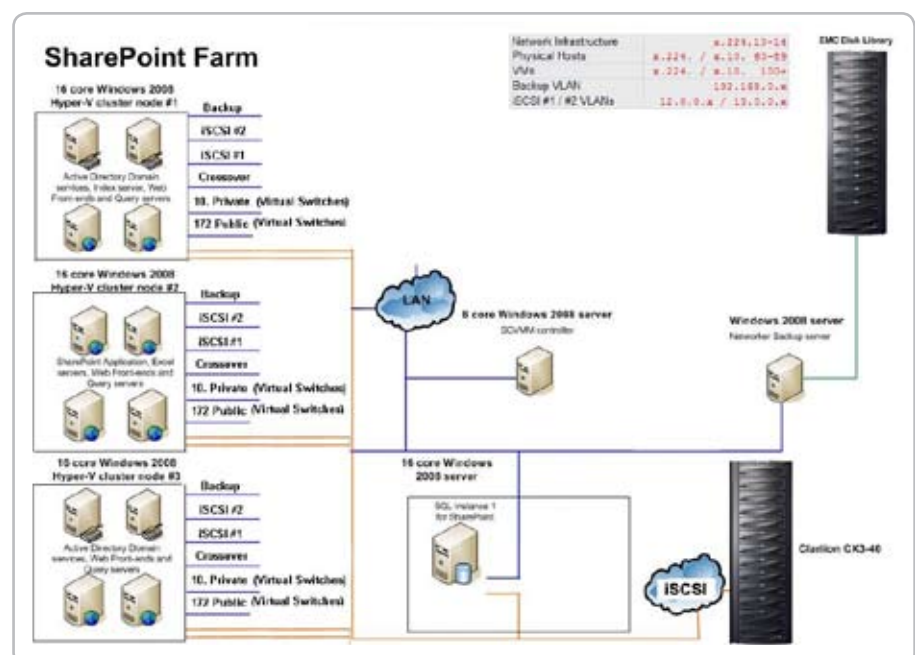
Traditional deployments of Microsoft SharePoint lead to a rising number of distributed servers and farms with direct-attached storage, resulting in increased costs, complexity, and underutilized assets. Along with the short recovery requirements of large-scale Microsoft Office SharePoint Server (MOSS) deployments, you should consider consolidation and have a backup and recovery plan that ensures that business information is protected.

Not taking control of your IT infrastructure can result in:

- Failure to comply with the RTO/RPO requirements of your organization
- Lost productivity if data is not available due to missing backup windows
- Inability to derive insight from data due to slow query response or application performance
- Infrastructure limitations that negatively affect information collaboration
- Not being able to accomplish a complete and consistent backup of MOSS in large-scale farms
- Increased costs related to decentralized SharePoint deployments

## The Solution for Business Continuity for SharePoint with Hyper-V

The EMC Proven™ Solution for Business Continuity for SharePoint with Hyper-V was designed to document a backup and recovery architecture for a SharePoint 2007 farm in a virtualized environment. This solution was tested using EMC® CLARiiON®, EMC Disk Library, Microsoft Hyper-V, SharePoint, and SQL requirements and settings to support both rapid and granular backup. The “optimized” backup option is a rapid backup based on the EMC NetWorker® Module for Microsoft



SharePoint (NMM 2.1). NMM leverages Microsoft SharePoint Virtual Shadow Copy framework (VSS) with CLARiiON SnapView™ for a consistent point-in-time backup of the entire SharePoint farm. The “granular” backup option is based on the SharePoint backup API and provides item-level recovery (Web App, Site Collection, Site, List, Folder, and Document).

This proven solution was also tested to measure and document SharePoint Server farm performance and scalability to measure performance impact on the farm during SharePoint VSS and non-VSS backup, to measure performance and throughput when backing up to the EMC Disk Library, and to document best practices for the Hyper-V implementation of SharePoint.

## Why EMC for SharePoint and Hyper-V

Whether you are looking to design and deploy an enterprise-wide SharePoint infrastructure that supports many thousands of users or a smaller-scale infrastructure for one department, EMC offers a robust portfolio of proven solutions, expert services, and industry-leading technology that accelerates your time to value and lowers your risk of deployment. EMC offers:

- Proven experience across diverse SharePoint, SQL Server, and Hyper-V environments
- Integrated solutions that accelerate deployments in virtualized environments, including asset utilization, simplified management, and flexibility
- Documented reference architectures and best practices that address a range of user workloads and business requirements
- A comprehensive, unified tiered storage portfolio that addresses workload requirements for scalability
- Thought leaders with elite Microsoft certifications who provide in-depth expertise and insight
- A broad range of services to address planning, design, implementation, and support requirements
- Strong business alliances and engineering relationships with Microsoft in our Global Alliance

## EMC Consulting

EMC’s Consulting Services for Microsoft Office SharePoint Server draw on our proven methodology as well as our expertise in business process analysis, user experience design, application integration, workflow automation, and technical infrastructure. We will convert your strategic vision into an intuitive, easy-to-use collaboration system that is simple to manage and that will scale with your business. EMC is a Microsoft Gold Certified and Global Alliance Partner with seven Microsoft competencies and has won 18 “Partner of the Year” awards.

Our team of user-experience experts and information architects:

- Design with a user-centered approach that includes taxonomy design and governance plans
- Have completed hundreds of successful Microsoft SharePoint engagements
- Represent one of the industry’s most certified SharePoint deployment partners



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