

EMC VSPEX PROVEN INFRASTRUCTURE FOR MICROSOFT SHAREPOINT 2013

Accelerating your IT transformation and availability of SharePoint information with VSPEX



ESSENTIALS

Challenges

Massive Data Growth is limiting collaboration and impacting SharePoint's performance, capabilities and availability

The Solution

VSPEX Proven Infrastructure consolidates SharePoint data on Next Generation VNX, speeds backups and increases performance and lowers costs.

Simple

Proven Virtual Infrastructure for risk free deployment and scale of complete IT solution.

Efficient

Streamlined VM Management, gain deduplication for storage and backup.

Flexible

Scalable Reference Architectures with Vendor Neutral Hypervisor, Server and Networking.

THE CHALLENGE: DATA GROWTH IMPACTING OPERATIONAL EFFICIENCY

The volume, diversity of content, and size of user data continues to grow year over year. Data is exploding with a forecasted 50 times growth rate over the next 10 years and to realize value in all of this data businesses turn to content management applications as a vehicle to promote collaboration and information sharing. For over ten years Microsoft SharePoint has been helping customers develop portals to collaborate, manage documents and records, search and share documents and developed business process automation around their most valuable asset – their information.

SharePoint 2013 brings with it many enhancements and new features such as enterprise content management features with a focus on social media with a new collaboration engine for sharing documents. SharePoint 2013 also has a new theming engine that leverages css for more customized branding and designing.

As SharePoint has developed and continued to add new functionality and features the challenges businesses face in managing the data it contains has also grown. When data is spread across the business and stored in direct attached storage it becomes inaccessible company wide and therefore it cannot provide full value to the business and can limit collaboration. Administering, auditing, protecting, managing and delivering an optimal SharePoint 2013 Infrastructure for a modern geographically diverse work force is a major challenge for most IT departments. Many businesses try to address these challenges by adding physical servers and inefficient direct attached storage which further compounds the problem. Traditional backup cannot keep pace either - businesses are struggling to get backups done within available windows and to control backup data growth.

THE SOLUTION: VSPEX PROVEN INFRASTRUCTURE FOR VIRTUALIZED MICROSOFT SHAREPOINT 2013

EMC has joined forces with the industry's leading providers of IT infrastructure and Independent VSPEX Validated software and hardware vendors to create a complete virtualization solution that accelerates deployment of private cloud and Microsoft SharePoint 2013 Infrastructure. Built with best-of-breed technologies, VSPEX enables faster deployment, more simplicity, greater choice, higher efficiency, and lower risk. Validation by EMC ensures predictable performance and enables customers to select technology that leverages their existing IT infrastructure while eliminating planning, sizing, and configuration burdens. VSPEX provides virtual SharePoint infrastructures for customers looking to simplify - that is characteristic of truly converged infrastructures - while at the same time gaining more choice in individual stack components.

VSPEX : SIMPLE, EFFICIENT, AND FLEXIBLE

VSPEX provides businesses the opportunity to break the cycle of siloed SharePoint deployments. VSPEX reference architectures provide businesses with flexible sizing options all that leverage EMCs tight relationship with the leading hypervisor manufactures to provide a simple environment for adding, managing and protecting virtual machines. Built with best in class solutions proven by EMC for interoperability, you can enjoy a risk free deployment and the peace of mind that your IT investment will grow as your business does.

Automate everyday tasks with VSPEX that will save you time to focus on more important things. Customers who deploy their applications on VSPEX can benefit from optimized use of resources, EMC performance enhancing technologies such as XtremCache and FAST Cache that turbo charge applications. Deployment of new application servers is simplified by cloning applications servers and making readily deployable templates that are delivered as a service to those business units or end users who need them. VSPEX enables administrators to abstract the underlying physical resources and provide an application environment that is always available. Application resources can be added or removed to meet demand, outages can be prevented with seamless behind the scenes moves and licensing costs can be offset by virtualizing costly oversized servers.

Users tend to keep older, duplicate, or non-compliant files on their already underutilized file servers. Efficiently storing files on Next Generation VNX unified storage, eliminates the need for physical files servers and makes management from a single interface possible. Native deduplication and compression reduce the overall file content and VNX arrays can tolerate very high utilization rates without impacting performance. Virtualizing the SharePoint SQL database on VSPEX can improve VM density, lower total SQL costs, and dramatically increase performance. Leveraging EMC FAST can reduce SharePoint user response times by 30 - 40% depending on the activity and automatically manage data ensuring it resides on the most appropriate storage type within the array.

EMC Powered Backup delivers the confidence and efficiency that accelerates your VSPEX SharePoint cloud deployment. Our software is proven to reduce backup times by 90% and speed recoveries by 30x for worry-free protection. EMC Protection Storage adds another layer of reliability, with end-to-end verification and self-healing for ensured recovery.

For SharePoint, EMC backup delivers advanced capabilities like VSS-based farm-level backups and fast, granular recovery of individual files without having to restore the whole farm.

EMC Powered Backup also delivers big savings. With industry-leading deduplication, you can reduce backup storage by 10-30x, backup management time by 81%, and WAN bandwidth by 99% for efficient Disaster Recovery (DR)—delivering as much as a 7-month payback. In all, you will be able to scale simply and efficiently as your environment grows.

For VMware-based SharePoint deployments, VSPEX also offers VMware vSphere Data Protection Advanced (VDP-Advanced) in addition to EMC Avamar and EMC Data Domain systems. VDP-Advanced is powered by Avamar technology, and integrates with EMC protection storage. So you will get the same fast, efficient, reliable image-level and file-level backup, recovery and DR combined with a SharePoint-specific plugin that makes it as simple as possible.

Simplify your IT environment and break the siloed and accidental infrastructure approach of yesterday with VSPEX Proven Infrastructure for Virtualized SharePoint.

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