

EMC VSPEX END USER COMPUTING

Deploy desktop virtualization simply, efficiently, and with flexibility

ESSENTIALS

Challenges

Delivering an end-user computing environment that is agile enough to keep up and that ensures data and application availability for 1000's of desktop users.

Solution

VSPEX Proven Infrastructure with best-of-breed technologies provides the power, performance, and reliability to run up to 2000 Virtual desktops.

Simple

- Proven solutions remove risk and sizing burdens
- Central administration for 1000's of desktops

Efficient

- Boot 1000's of Desktops in minutes with EMC FAST
- Reduce backup times by 90%
- Use 10 - 30x less backup storage

Flexible

- Access data from any location on any device
- Multiple Reference architectures to scale up or down as needed
- Multi-Core next-generation VNX supports multiple protocols - NFS, iSCSI, FCoE, or SAN for a diverse and varied IT landscape

THE CHALLENGE: AGILITY AND AVAILABILITY

Organizations must achieve a difficult balance between offering open, accessible infrastructures that can support collaborative, real-time, resource-intensive applications while maintaining security and control that is necessary to comply with increasingly robust regulations. Users are tempted by the explosive growth in mobile applications delivered from the cloud, at a time when IT has to cope with a more geographically dispersed, mobile workforce.

Employees are more mobile than ever and expect access to business critical data and applications when, where and from any device such as smart phones and tablets. They want the flexibility to bring their own device forcing IT to investigate or support Bring Your Own Device (BYOD) initiatives which adds layers of complexity in order to safeguard sensitive information. With the pace of business increasing, traditional PC-centric architectures are too rigid, complex, and siloed to cope. Simply patching, updating, and supporting 1000s of desktops is very challenging and can lead to planned and unplanned downtime. As a result, many IT departments find themselves stuck managing day-to-day operations that are costly in time and resources.

THE SOLUTION: VSPEX FOR END USER COMPUTING

EMC® VSPEX™ End User Computing solutions for both Citrix XenDesktop 7 and VMware Horizon View 5.2 allow a more strategic approach. Our Technology partners working with EMC deliver VSPEX Proven Infrastructure consisting of best-in-class technologies built as easy to manage complete virtualization solutions. With the leading virtualization platform (VMware vSphere®) together with Citrix or VMware EUC software, compute, networking, storage and backup technologies it's possible to simplify IT, centrally managing desktops, applications, and end-user data. By taking the easy route to next-generation virtual desktops with VSPEX you can virtually double end-user productivity, meet compliance and security guidelines, while reducing the overall total cost of operations by up to 50%. As these solutions are already tested and validated, they are proven to solve customer challenges and accelerate deployment.

VSPEX Proven Infrastructure for EUC with the next-generation Multi-Core VNX and EMC Backup enable you to increase IT productivity, rapidly add new virtual desktops, and provide resilience and high availability to avoid costly outages or downtime. VSPEX with RSA technologies such as Authentication Manager and SecurID provide data security and help you effectively enforce compliance.

SOLUTION OVERVIEW

EMC²



SIMPLIFY MANAGEMENT WITH VSPEX

VSPEX provides a proven reference design that provides an innovative way for IT to securely support:

- Greater workplace mobility
- Wider array of device diversity
- Bring Your Own Device initiatives
- Contractors/seasonal workers
- Location-aware computing

Define, Deploy and Manage thousands of virtual desktops from Citrix XenDesktop 7 or VMware Horizon View. EMC has tight integration with VMware which provides an easy to manage experience from the hypervisor with efficient integration via APIs and tools. The new Unisphere Management Suite for the next-generation of VNX, provides a task-based integrated management experience for managing, monitoring, and reporting on next generation VNX storage. You can also gain greater insight into the utilization and workload patterns, which enables you to diagnose, forecast, and plan for future capacity needs.

VSPEX BRINGS EFFICIENCY TO YOUR DESKTOP ENVIRONMENT

VSPEX EUC enables IT to separate the OS from applications, data, and user persona for greater efficiency by enabling the assembly of desktops dynamically and on demand.

Unleash the power of all the VNX's Intel multicore (MCx) processors, in a system optimized to distribute all services evenly across the cores delivering up to four times the performance of its predecessor. This multicore design means that the VNX series delivers FLASH 1st at scale, with more firepower, using the latest Intel multi-core technology. VNX with EMC FAST enables IT to boot 1,000 desktops in minutes and absorb the I/O "storms" that can occur from simple things like user logins, boot ups, virus scans, shutdowns, and more, giving your end-users the "Instant On" experience they need. Administrators can deliver policy and location aware desktops while users can carry their personalized desktop across sessions, locations and devices. IT additionally has the flexibility to meet the challenges of scaling from several hundred to thousands of virtual desktops to meet the changing requirements of the business. Eliminate storage overprovisioning with advanced features such as thin provisioning and deduplication driving down your upfront storage requirements and costs. VSPEX with EMC Avamar empowers administrators to centrally backup and manage policies and EUC infrastructure components, while allowing end users to efficiently recover their own files from a simple and intuitive interface. By moving only new, unique sub-file data segments, Avamar delivers fast daily full backups, with up to 90% reduction in backup times, while reducing the required daily network bandwidth by up to 99%. Protect your investment with RSA SecurID enabling central management, protection, and insulation of your user's data from cyber-attacks.

CONTACT US

To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.EMC.com.
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