TOP FIVE REASONS WHY CUSTOMERS USE EMC AND VMWARE TO VIRTUALIZE SAP LANDSCAPES

Reduce infrastructure costs, ensure service quality, and improve SAP user experience so SAP runs better.

SAP customers today are evaluating how to move to virtualization confidently and improve daily operational efficiency—all while ensuring the highest levels of availability. Combining VMware® with EMC® cloud infrastructure reduces the total cost of ownership (TCO) of SAP applications and simplifies and accelerates SAP deployments. Today, with the latest generation of cloud technologies and leverage of global EMC and VMware partners, SAP customers can capitalize on the benefits of virtualization while reducing risk and unlocking the highest levels of value from their SAP application investments.

1. REDUCE INFRASTRUCTURE COSTS AND UNLOCK THE VALUE

Running SAP on EMC cloud infrastructure has been validated to lower overall TCO as much as 30 percent compared to traditional SAP deployments. As an example, VCE Vblock™ Infrastructure Platforms offer pre-configured, integrated solutions to virtualize the SAP application landscape cost-effectively, and unlock the value of SAP application functionality. Vblock platforms integrate best-in-class technology from industry leaders Cisco, EMC, and VMware, backed by VCE’s seamless world-class support, and each Vblock platform is pre-built and ready for deployment. UIM (Unified Infrastructure Manager) provides a single point of management for Vblock infrastructure platforms and can manage multiple Vblock platforms across compute, network, and storage resources anywhere in the world. That’s a single screen for all of your infrastructure in all of your locations.

2. MAXIMIZE PERFORMANCE AND EFFICIENCY

As data centers evolve their use of virtualization across the SAP landscape, it becomes critical to balance performance across all layers of the IT infrastructure, including networking, servers, and storage. EMC FAST VP technology enables IT to set up automated policies to dynamically monitor and tune storage infrastructure performance as SAP workloads change. EMC FAST VP identifies highly-active SAP data and moves it to high-performing Enterprise Flash drives (EFDs), while inactive or less active data is moved to a storage tier more suited to its performance requirements. These features enable the underlying storage resources to alleviate the SAP administrators’ management burden and maintain maximized performance over time as workloads change, with minimal tuning required. EMC and VMware have jointly tested and documented a series of solutions which deliver more SAP performance in a virtual machine environment. Example best practices include:

- 45 percent more performance with negligible change in response times
- Reduced tuning required by DBAs from hours to minutes
- Seamless scaling with on-demand virtual provisioning

Many EMC customers have seen up to:
- 19 percent reduction in overall hardware and software investment costs
- 32 percent lower implementation costs due to reduced planning and design requirements
- 25 percent savings in project costs due to optimized system management
- 36 percent lower upgrade costs due to quick and easy provisioning

Many eMC customers have seen up to:
- 19 percent reduction in overall hardware and software investment costs
- 32 percent lower implementation costs due to reduced planning and design requirements
- 25 percent savings in project costs due to optimized system management
- 36 percent lower upgrade costs due to quick and easy provisioning

Many VCE customers have seen up to:
- 30 percent reduction in overall hardware and software investment costs
- 30 percent lower implementation costs due to reduced planning and design requirements
- 25 percent savings in project costs due to optimized system management
- 36 percent lower upgrade costs due to quick and easy provisioning

Many VMware customers have seen up to:
- 19 percent reduction in overall hardware and software investment costs
- 32 percent lower implementation costs due to reduced planning and design requirements
- 25 percent savings in project costs due to optimized system management
- 36 percent lower upgrade costs due to quick and easy provisioning
3. DEPLOY SAP IN LESS TIME WITH WORLD-CLASS PARTNERS

Every SAP environment requires the ongoing setup and management of test and development and maintenance environments in support of production environments, which can be very time consuming. The combination of EMC replication and VMware virtual machine (VM) templates enables IT to rapidly deploy and configure both server and storage resources for new SAP application environments in just minutes. Full operating system, server, and storage configurations can be quickly replicated and provisioned, allowing for rapid provisioning of development, test, and QA environments across shared unified storage infrastructure.

Deploying and operating SAP effectively requires a strong combination of people, process, and technology. EMC and VMware partners such as Accenture, CapGemini, CSC, Deloitte, and others have developed, jointly tested, and validated deployment methodologies, as well as benchmark and proof-of-concept capabilities combining their pre-configured SAP industry solutions with the EMC, VMware Solutions, including Vblock platforms. These partners are equipped to help IT organizations accelerate their SAP on EMC and VMware deployment through planning, implementing, and operations as well as upgrades and migrations.

4. REDUCE RISK; SCALE AND PROTECT APPLICATIONS WITHOUT IMPACT

EMC and VMware solutions also greatly enhance the ability to scale production database server and storage resources for SAP applications while improving overall system availability. Instead of configuring a new physical server and storage, setting up and mounting the database and application servers along with the other steps necessary in a physical environment, SAP administrators can now provision a new SAP production server and storage resources virtually in just minutes, creating additional server and storage capacity faster and more efficiently. Once these SAP environments are virtualized, there are additional benefits in terms of simplified data protection, including the ability to leverage accelerated failover between virtual machines while applications remain online. In the event of a server failure, the entire load of virtual machines will fail over to a backup server in a matter of minutes without impact to SAP applications.

5. SAP RUNS BETTER WITH EMC VIRTUAL INFRASTRUCTURE

For those customers who have deployed SAP on EMC and VMware, significant tangible benefits have been realized, including:

- Up to 50 percent more performance over non-virtualized SAP environments
- ~20 percent reduction in overall hardware and software investment costs
- ~25-30 percent lower implementation and operational costs through faster planning and design and improved systems management
- ~35 percent lower costs to upgrade SAP applications

CONTACT US
See EMC and SAP solutions in action. Visit either EMC Solution Centers or schedule a visit to EMC's Executive Briefing Centers and SAP Center of Excellence to see for yourself how the combination of EMC, VMware, and SAP provides a strong foundation for all your business needs. Contact your EMC representative for more information.