

# EMC Integrated Infrastructure for VMware—Business Continuity

## The Big Picture

- Reduce configuration time by up to 66 percent
- Reduce deployment time by up to 50 percent
- Reduce business continuity planning by up to 90 percent

## A standard, repeatable solution for deploying a VMware Infrastructure

EMC Integrated Infrastructure for VMware—Business Continuity provides a common platform architecture for accelerating VMware® deployment for consolidation and cost reduction. This solution is designed for companies of all sizes that are actively deploying VMware for remote branch locations or the data center. It includes VMware vCenter™ Site Recovery Manager and EMC Celerra® Replicator to ensure information and application availability to meet business continuity needs. The Reference Architecture offers proven methodologies based on best practices for deploying VMware and incorporating advanced availability and business continuity capabilities.

### Business challenge

Businesses today are turning to server virtualization to drive down capital equipment costs as their IT environment needs grow. However, the growth of virtualization within the infrastructure has introduced new and additional operating costs and increased complexity. As businesses struggle to effectively and cost-efficiently leverage resources across their IT environments they face the following challenges:

- **Reduced IT budgets**—Effective support for service level agreements is difficult with fewer resources and a reduced IT infrastructure.
- **Inconsistency in the infrastructure**—Variation in the infrastructure increases operational and maintenance costs.
- **The ability to fully leverage resources**—Servers and storage are historically underutilized, which minimizes ROI.
- **The flexibility to react quickly to business changes**—Implementing a new application is difficult with limited infrastructure to support it.

### Solution

EMC Integrated Infrastructure for VMware—Business Continuity is an EMC Proven™ solution that provides a common footprint for accelerating VMware deployment. A standardized infrastructure simplifies implementation and management of applications and enables you to provide common support for backup and high availability. A common architecture ensures consistent service level support across installations and applications to further reduce costs. Best practices and deployment blueprints accelerate the deployment of your infrastructure, helping you realize your return on investment faster and reduce configuration errors.

The EMC Integrated Infrastructure for VMware—Business Continuity solution includes:

- VMware vCenter Site Recovery Manager for fast, reliable, and automated disaster recovery capabilities
- EMC Celerra® for consolidated, highly available NAS and IP SAN storage
- EMC Celerra Replicator for efficient, asynchronous data replication over Internet Protocol (IP) networks

- EMC Avamar® backup solution including global deduplication for efficient protection and recovery of application data
- Redundant Cisco IP network switches
- Dual processor rack mount servers
- VMware ESX™ Server virtualization
- EMC Proven best practices for deploying many common applications including VDI, SharePoint, Exchange, and SQL Server

## Solution value

EMC has the experience with VMware environments to help maximize value of your IT assets while reducing costs with a virtualized, consolidated environment. Key advantages of the EMC Integrated Infrastructure for VMware—Business Continuity solution include:

- **Decreased deployment time, risks, and costs**—EMC Integrated Infrastructure for VMware—Business Continuity provides a simple, foundational platform for the data center and remote locations, and enables you to quickly and accurately deploy a virtualized infrastructure. Through this turnkey solution, you can reduce installation risks through EMC Proven Solution integration, and lower costs as deployments take hours—not days.
- **Reduce support costs through a standardized infrastructure**—Anywhere your support people go they work on a familiar infrastructure. This enables fast problem identification and resolution, reducing support costs and downtime. Additionally, you can seamlessly and consistently support service levels and tap into best practices for ongoing operational efficiency.
- **Increase energy efficiencies**—With a virtual infrastructure in one rack, you reduce the energy used. Lowered energy costs enable you to focus your budget on retaining your skilled workers.
- **Enhanced backup and business continuity features**—Ensure your critical information is available with the high availability features of VMware and EMC storage. VMware vCenter Site Recovery Manager and EMC Celerra Replicator help ensure no interruption in business processes by facilitating application and information availability. EMC Avamar delivers backup capabilities while minimizing the impact on your network resources, helping to ensure your applications have the bandwidth required.

## EMC Global Services

EMC Global Services offers a full range of virtualization strategy, design, implementation, and residency services to help customers accelerate their enterprise virtualization initiatives. As a gold-level VMware Authorized Consultant (VAC), EMC leverages its deep knowledge of enterprise infrastructure, expertise in key application environments, and VMware-integrated solutions to speed customer virtualization deployments in data center and remote office infrastructures, and integrate virtualization into the enterprise information infrastructure.

## About EMC Proven solutions

EMC Proven Solutions help customers identify and overcome business challenges by reducing risk and time-to-value of their information infrastructures. EMC leverages its expertise and proven technologies with its strategic relationships with Cisco, Microsoft, Oracle, SAP, and VMware to deliver solutions that support our customers business and technical requirements. All solutions are rigorously tested and documented with reference architectures and best practices designed to reduce the total cost of ownership of the infrastructure and increase IT efficiency.



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