

DISASTER RECOVERY WITH VMWARE vCENTER SITE RECOVERY MANAGER—EMC RECOVERPOINT

EMC RecoverPoint provides data protection and recovery in VMware environments

ESSENTIALS

- EMC Replication for VMware vCenter Site Recovery Manager
- EMC SRDF®
- EMC RecoverPoint
- EMC VNX™ series Remote Protection Suite

VMware® has changed the data center landscape by harnessing server, network, and storage resources for unprecedented gains in economy and efficiency. To ensure the integrity of your virtualized data, EMC provides data replication products and services for VMware, including integration with Site Recovery Manager to make disaster recovery rapid, reliable, manageable, and affordable in VMware infrastructure environments.

EMC® data replication solutions are widely deployed to protect the physical and virtual storage assets of many leading businesses, including the Fortune Global 500. With EMC, organizations get best-in-class disaster recovery solutions, regardless of their storage environments—whether all-EMC or multiple storage solutions from different vendors.

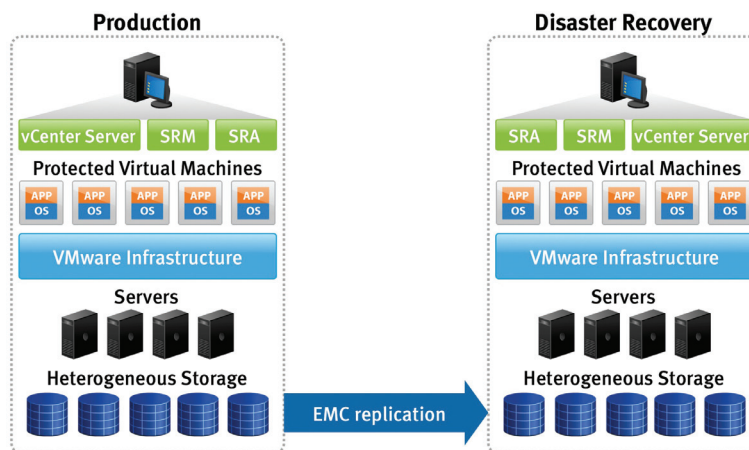
WHY EMC DISASTER RECOVERY

EMC has a proven track record in providing solutions that solve customers' storage and data protection challenges. These solutions are supported with industry-leading best practices including EMC E-Lab™ interoperability testing and qualification.

EMC provides:

- Widely deployed data replication solutions that protect the physical and virtual storage assets of many leading companies
- Investment protection for existing infrastructure with heterogeneous storage support for EMC and non-EMC arrays
- Enterprise-class disaster recovery and business continuity solutions
- Reference architectures and best practices for critical core business applications such as Oracle, Microsoft Exchange, and SQL
- Proven interoperability via rigorous EMC E-Lab testing and VMware certification

With traditional replication solutions, all the virtual machines must synchronize their data with limited compression between the same storage array families. With EMC RecoverPoint, the replication can be across heterogeneous storage arrays, with integrated bandwidth reduction, deduplication and compression, which reduces the required WAN bandwidth consumed by replication by up to 90 percent.



EMC RECOVERPOINT—DATA PROTECTION AND RECOVERY

EMC RecoverPoint utilizes continuous data protection (CDP) to provide a concurrent local and remote replication solution with a DVR-like point-in-time recovery of heterogeneous storage for VMware environments. The protection status of virtual machines can be monitored using the RecoverPoint Management Application GUI. Additionally, virtual machines can be brought back online rapidly with no data loss when RecoverPoint is used with VMware vCenter™ Site Recovery Manager. RecoverPoint is the most flexible approach to protecting virtualized data for Site Recovery Manager—replicating VMware VMFS to protect and recover a single virtual machine or the entire VMware ESX® Server.

ACCELERATE REPLICATION OF VMWARE VIRTUAL ENVIRONMENTS WITH EMC RECOVERPOINT

EMC RecoverPoint provides:

- Replication of VMware VMFS or RDM volumes across heterogeneous storage arrays
- Integration with VMware vCenter Server to include VMware virtual machines in the RecoverPoint Management Application GUI
- Proven, patented, intelligent bandwidth reduction, data deduplication, and data compression technologies that reduce the WAN bandwidth required for data replication by up to 90 percent
- Support of common VMware replication modes, including physical to virtual and virtual to virtual
- Concurrent local and remote replication that enables protection of virtual environments with point-in-time recovery either locally and/or remotely
- Dynamic switching between synchronous and asynchronous replication for the best performance across standard IP-based or Fibre Channel networks
- Integration with VMware vCenter Site Recovery Manager via a RecoverPoint storage replication adapter
- Integration with VMware vCenter Server for failback of virtual machines that were failed over with VMware vCenter Site Recovery Manager

BENEFITS OF EMC RECOVERPOINT FOR VMWARE VCENTER SITE RECOVERY MANAGER

Leverage the flexible data replication technology of EMC RecoverPoint to:

- Support planned and unplanned failover and failback for one or all virtual machines
- Reduce replication bandwidth requirements when compared to competitive solutions
- Ensure no data loss and enable consistent recovery across virtual machines running on VMware Virtual Infrastructure version 3.5, 4.0, 4.1, and 5.0 with VMware vCenter Site Recovery Manager
- Ensure no impact on performance or availability of production virtual infrastructure

CONTACT US

To learn more about replicating in your VMware environment, Contact your local EMC representative or partner, or visit our website at www.EMC.com.

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