

# EMC RECOVERPOINT/SE

Cost-effective local and remote data protection, replication, and disaster recovery for EMC VNX, CLARiiON, and Celerra unified series

## ESSENTIALS

- Protect a physical or virtualized business application in public or private clouds
- Implement a single product solution for data protection, replication, and disaster recovery for block LUNs in the EMC VNX series, CLARiiON, and Celerra unified series
- Provides remote replication of NAS file systems in EMC VNX series for disaster recovery
- Create copies locally, remotely, or both for business continuity, repurposing, and disaster recovery
- Minimize capital costs through virtual environment support for server and storage consolidation
- Protect VMware Infrastructure with RecoverPoint integrated with VMware vCenter
- Reduce infrastructure cost with policy-driven data reduction and compression technologies
- Recover data locally or remotely to a point in time for local data protection and disaster recovery
- Reduce operational and disaster recovery time for physical or virtualized application from Microsoft, Oracle, SAP, VMware, file systems, and other applications

## DISASTER RECOVERY MADE SIMPLE—THE WAY IT SHOULD BE

Deciding on the best technology to secure your data—whether locally or offsite—can be a daunting challenge. Your goal is to recover your data quickly with as little data loss as possible, and to do so in a simple, cost-effective manner. How do you meet this challenge?

EMC® RecoverPoint/SE is a single-product solution with DVR-like, point-in-time recovery with synchronous continuous data protection (CDP) to provide local data protection and synchronous and asynchronous continuous remote replication (CRR) to provide remote data protection. RecoverPoint/SE CDP and CRR can be used separately or together to provide concurrent local and remote (CLR) data protection of the same data volume over any distance.

EMC RecoverPoint/SE is available in the Total Efficiency Pack, the Protection Pack, the Local Protection Suite, and the Remote Protection Suite for the EMC VNX™ series of arrays. In VNX storage environments, RecoverPoint/SE provides the additional benefits of enabling a single, unified replication solution for SAN LUNs and provides Continuous Remote Replication (CRR) of NAS file systems. RecoverPoint/SE is also available for local and remote SAN replication for the EMC CLARiiON® and Celerra® unified series of arrays.

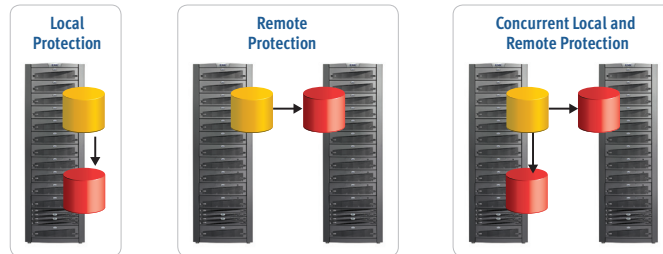
RecoverPoint lets you replicate application data to your disaster recovery site synchronously or asynchronously with varying recovery point objectives (RPOs) —you decide the right balance of RPO and recovery time objective (RTO) required to meet your service levels. It maintains the dependent write-order data consistency of data replicated locally or remotely, and dynamically switches between synchronous and asynchronous replication modes based on customer policy for the best in performance and distance between production and disaster recovery sites. Its advanced bandwidth reduction, data deduplication, and data compression capabilities are designed to dramatically reduce WAN bandwidth requirements and associated costs.

## END-TO-END DATA PROTECTION

RecoverPoint/SE protects companies from data loss due to common problems such as server failures, data corruption, software errors, viruses, and end-user errors, while also protecting against natural disasters that can bring businesses to a standstill. With RecoverPoint/SE, organizations can realize dramatic cost savings by eliminating complex, non-performing data protection schemes and application-specific point products in favor of deploying a single, easy-to-manage solution.

## BANDWIDTH REDUCTION, DATA DEDUPLICATION, AND DATA COMPRESSION

RecoverPoint uses proven, patented, intelligent bandwidth reduction, data deduplication, and data compression technologies to deliver up to a 90 percent reduction in the WAN bandwidth utilized for replication. These technologies enable you to experience the best possible level of protection for the available bandwidth, while dramatically reducing WAN costs—particularly over long distances.



EMC RecoverPoint: local and remote data protection and disaster recovery for EMC CLARiiON

- Supplied in the Local Protection Suite and Remote Protection Suite of the EMC VNX series and available for EMC CLARiiON CX™ and Celerra unified series of arrays
- Local and/or remote data protection and replication
- Unified remote replication for SAN and NAS data
- Single VNX series, CLARiiON, or Celerra unified array per site
- Based on scalable out-of-band appliances
- EMC RecoverPoint array-based write-splitter included with the VNX operating environment and EMC CLARiiON FLARE® code
- Protect up to 300 TB of data
- Supports open system environments attached to supported storage arrays, including AIX, HP-UX, Linux, Solaris, VMware®, file systems, and Microsoft Windows
- Supports RecoverPoint/CE for geographically dispersed Microsoft cluster nodes replicated by RecoverPoint/SE CRR

## APPLICATION DATA PROTECTION

RecoverPoint/SE enables application data to be recovered instantaneously by selecting intelligent time-specific or application-specific bookmarks. Application data at the selected point in time is instantly accessed and can be immediately read and written by the host. Snapshot consolidation is also used for longer retention periods within a set amount of allocated storage, which enables customers to maintain more data online for recovery without incurring additional storage costs.

Read/write access recovers data without disturbing the replication process. In recovery, this enables testing the data at several points in time in order to determine the best point from which to recover. This capability can be used to offload backups, to allow live application development and testing, to support on-demand recovery, to migrate data, and for many other valuable data processing purposes.

Additionally, RecoverPoint/SE creates application-consistent recovery points for Microsoft applications such as Exchange Server and Microsoft SQL Server through the use of Microsoft Volume Shadow Copy Service (VSS) or Virtual Data Interface (VDI) APIs. This capability provides dramatic reduction in recovery time for Exchange and SQL Server and enhances the operational recovery and disaster recovery for critical business applications. Finally, RecoverPoint/SE is integrated with other EMC products including Replication Manager, Data Protection Advisor, and NetWorker®.

## CONTACT US

Find out how EMC RecoverPoint/SE can meet your continuous local and remote data protection, replication, and disaster recovery needs—simply, affordably, and effectively. Visit our website at [www.EMC.com/products/family/recoverpoint-family.htm](http://www.EMC.com/products/family/recoverpoint-family.htm), contact your local EMC Velocity™ partner or sales representative, or call us directly at 1-866-464-7381.

## END-TO-END PROTECTION FOR VIRTUAL SERVER ENVIRONMENTS

RecoverPoint/SE provides a flexible, comprehensive application data protection solution with point-in-time recovery for the EMC VNX series, CLARiiON, and EMC Celerra unified arrays in virtualized VMware Infrastructure and Microsoft Hyper-V server environments. For VMware, RecoverPoint/SE integrates with VMware vCenter™ enabling the user to view the protection status for virtual machines. It also integrates with VMware vCenter Site Recovery Manager to orchestrate and streamline data protection and failover and failback processes, enabling VMware virtual machines to be brought back online rapidly with no data loss.

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