

# EMC RecoverPoint/SE for CLARiiON

EMC® RecoverPoint/SE is a cost-effective, continuous remote replication (CRR) or continuous data protection (CDP) solution allowing for any-point-in-time data recovery. RecoverPoint simplifies the replication and continuous data protection for the EMC CLARiiON® CX3 series of arrays by centralizing and simplifying data protection management, and providing local continuous data protection or remote replication.

## Features

### RecoverPoint/SE CDP

Provides on-demand recovery to any point in time between volumes inside the same CLARiiON CX3 array

### RecoverPoint/SE CRR

Provides bidirectional block-level replication between two CLARiiON CX3 arrays across any distance using asynchronous, synchronous, and snapshot replication modes.

### Policy-based Management

SLA policies enable optimization of storage and network resources by managing replication lag, data compression\*, and IP prioritization.

### Application-aware Integration

Supports intelligent bookmarks for replication and CDP with application integration capabilities for Oracle, Microsoft Exchange\*\*, and Microsoft SQL Server.

\* Data compression requires the optional bandwidth reduction option for RecoverPoint/SE CRR.

\*\* RecoverPoint/SE supports remote replication of Microsoft Exchange environments; however, currently it is not integrated with Microsoft Volume Shadowcopy Service (VSS).

### Reliability and Availability

RecoverPoint/SE features are provided by an appliance attached into the SAN for local storage access and to an IP WAN for remote replication.

Highly available appliance configurations have no single point of failure.

Each appliance supports dual (A/B) fabric.

### System Capabilities

Number of RecoverPoint appliances per RecoverPoint/SE cluster: 2

Maximum LUNs supported per RecoverPoint/SE cluster: 1,024

Maximum LUN size: 2 TB

Maximum supported storage for CDP or CRR: 4 TB

Number of Consistency Groups per appliance: 30

Number of Consistency Groups per RecoverPoint/SE cluster: 60

Number of FC ports per appliance: 4

### Connectivity

Each RecoverPoint/SE appliance provides four physical FC ports that are auto-sensing, supporting 1 and 2 Gb/s connections. Each RecoverPoint/SE appliance provides two 100/1000 Ethernet ports. One Ethernet port is used for management and the other is used for replication.

Windows hosts and CLARiiON arrays are connected to the RecoverPoint/SE appliance using standard FC SANs, enabling host fan-in and array fan-out. Some RecoverPoint capabilities require that the FC switch support arbitrated loop mode. Refer to the EMC Support Matrix for details.

EMC RecoverPoint/SE can be part of a comprehensive information lifecycle (ILM) strategy—a strategy that helps your enterprise attain the maximum value from its information, at the lowest TCO, at every point in the information lifecycle. RecoverPoint/SE enables ILM by enhancing an enterprise's operational recovery and disaster recovery processes by reducing the amount of data loss and reducing the time required for recovery.



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### Interoperability

RecoverPoint/SE CDP supports protecting volumes inside a single CLARiiON CX3 series array.

RecoverPoint/SE CRR supports replicating volumes between two CLARiiON CX3 series arrays.

RecoverPoint/SE requires EMC PowerPath® for Windows for multi-path support.

RecoverPoint/SE only supports the CLARiiON CX3 series; it does not support legacy CLARiiON arrays. Please see the EMC Support Matrix for details.

### Limits

RecoverPoint/SE CDP and RecoverPoint/SE CRR cannot be combined on the same RecoverPoint appliance.

RecoverPoint/SE only supports the Microsoft Windows 2000 Server and Microsoft Windows Server 2003 environments.

A RecoverPoint/SE configuration only supports a host-based splitter driver; the Cisco SANTap splitter available is not supported by RecoverPoint/SE.

RecoverPoint/SE CDP and RecoverPoint/SE CRR do not support boot from SAN (BFS) volumes.

RecoverPoint/SE can be upgraded to RecoverPoint without loss of protected images.

RecoverPoint cannot be downgraded to RecoverPoint/SE.

### Management

Web-based graphical user interface (GUI)

Command-line interface (CLI) with SSH security

Firewall-protected management network

Redundant management network

Specification Sheet

### Physical Specifications

The RecoverPoint/SE appliance is designed to be mounted into a standard NEMA 19" rack cabinet using side mounting EMC EOU rails and/or slides.

Height (in./cm) 1.67/4.26 (fits 1U slot)

Width (in./cm) 16.7/42.6

Depth (in./cm) 30.4/77.2

Weight (lb/kg) 35.8/16.3

### Power Specifications

The RecoverPoint/SE appliance has redundant hot-swappable power supplies. An IEC320-C14 inlet is provided on the rear wall of each power supply.

Input voltage (VAC)	110/220 VAC
Frequency (Hz)	60 Hz
Circuit breaker (Amps), recommended	10
Power drops	2

### Environmental

Operating temperature (°F/°C)	50–95°F/10–35°C
Non-operating temperature (°F/°C)	-40–149°F/-40–65°C
Operating Humidity (%), non-condensing	20–80%
Non-operating humidity (%), non-condensing	5–95%
Altitude (ft/m), max.	10,000 ft/3048 m
Raised floor	Not required

### Warranty and Maintenance

90-day software warranty and one-year hardware warranty included. Software maintenance and extended hardware warranties are available.



#### EMC Corporation

Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America 1-866-464-7381

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