

RecoverPoint Implementation

Course Description



Course Number

MR-7CP-NSRPIM

Delivery Method

Instructor Led

Duration

40 Hours



This course material supports the EMC Proven Professional Program



EMC Corporation
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EMC Education Services

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Overview

The RecoverPoint Implementation course is designed for EMC employees and partners involved with deploying and supporting RecoverPoint Appliances to EMC SAN environments. An integral part of the training addresses product architecture, implementation, management and operations. There will be extensive lab exercises which include the following activities: configuration requirements, installation and configuration of RecoverPoint Appliances, integration of RecoverPoint Appliances, configuring consistency groups (replication tasks), performing failover and failback operations, configuring multiple operating environments for deployment with host based, fabric based and array based splitters, general deployment and troubleshooting of implementation issues.

This course supports RecoverPoint V3.2.

Audience

This course is intended for EMC employees who will be responsible for:

- Configuring the required SAN environment
- Providing basic planning and designing tasks for RecoverPoint environments
- Installing and configuring RecoverPoint Appliances
- Installing and configuring all types of RecoverPoint splitters
- Configuring CDP, CRR, and CLR consistency groups
- Demonstrating how to perform failover and restore functions
- Configuring RecoverPoint Appliances connectivity for multiple host operating environments
- Performing common troubleshooting procedures related to RPA cluster deployment

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Prerequisite Knowledge/Skills

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must have an understanding of:

- Principles of data migration and replication concepts
- Interaction of different EMC components within a complex integrated SAN environment with support for multiple types of arrays
- UNIX (AIX, Linux, & Solaris) and Windows (W2K, W2K3 Server) system administration
- IP Networking: subnets, routing, theory of IP assignment, floating IPs, calculating IP latency, connectivity analysis
- FC SAN implementation and administration including: configuration and zoning of B-Series and MDS-series SAN switches
- Advanced MDS SAN configuration tasks: an understanding of different modules for the MDS; theory of virtualization in a SAN environment; ability to configure multiple VSANs
- EMC storage array configuration: identify storage requirements for RecoverPoint environments and follow-through with storage configuration including volume creation, mapping, and presentation to the host environment

A list of specific prerequisite courses can be found in EMC Education Services Learning Management System.

Course Objectives

Upon successful completion of this course, participants should be able to:

- Install and configure RecoverPoint
- Configure required SAN environment to support RecoverPoint in the following environments:
 - kdriver Splitter
 - SANTap (Cisco) or SAS API (Brocade) Splitters
 - CLARiiON Splitter
- Migrate from kdriver to either array or fabric based splitting
- Configure CDP, CRR, CLR consistency groups and perform both failover and restore functions for RecoverPoint replication environments
- Configure RecoverPoint Appliance connectivity to multiple host operating environments
- Provide advanced fabric configuration details and troubleshooting methodologies
- Provide basic planning and design details for RecoverPoint environments
- Troubleshoot RecoverPoint implementation issues

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Modules

These modules are designed to support the course objectives. The following modules are included in this course:

- Implementation Overview
- Host Splitter (kdriver) Implementation
- Working with Consistency Groups
- CLARiiON Array Splitter
- SANTap Fabric Based Splitting
- Brocade Fabric Based Splitting
- Managing the RecoverPoint Environment
- Upgrades
- Troubleshooting

Labs

Labs reinforce the information you have been taught. The labs for this course include:

- SAN Configuration for RecoverPoint
- Installation of RecoverPoint Appliances
- Installing Host Splitter Drivers
- Replication Configuration
- Managing Replication Jobs
- Working With Consistency Group Policies
- CLARiiON Splitter Implementation
- Migrate to Fabric Based Splitters
- Working with CLR
- Upgrade RPAs
- Troubleshooting
- Supplemental exercises for knowledge reinforcement