

OVERVIEW

This course focuses on optimizing NetWorker performance and integrating NetWorker with Dell EMC backup products, Microsoft applications, Oracle, SAP, MEDITECH and virtual environments. Operational best practices are included with a focus on configuring and performing backup and recovery of file systems, applications and databases. The course provides hands-on labs to reinforce the training.

AUDIENCE

This course is intended for application and backup administrators, partners, software support specialists, and others who are looking for a deeper understanding of NetWorker performance management and integration with applications, databases, virtual environments and other Dell EMC backup products.

PREREQUISITE KNOWLEDGE/SKILLS

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

- EMC NetWorker including configuring and performing backups and recoveries of file system data
- Network administration in a TCP/IP environment
- Linux system administration
- Microsoft SQL, Exchange, SharePoint, and Hyper-V
- VMware ESXi, vSphere and vCenter
- Oracle and SAP including SAP BR*Tools

These courses, or comparable experience, are prerequisites for this course:

- NetWorker Fundamentals (MR-1WP-NWFUN)
- NetWorker Implementation and Management (MR-1CP-NWIM, MR-1LP-NWIM, or MR-1TP-NWIM-0317)
- NetWorker Modules Overview (MR-1WP-NWIMOD)

COURSE OBJECTIVES

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

- Describe recommended practices for NetWorker performance management, sizing and backup configuration
- Understand best practices for integrating NetWorker with Data Domain
 - Configure and perform backup and recovery using Data Domain devices
- Describe NetWorker integration with popular databases and applications including: Microsoft SQL, Microsoft SharePoint, Microsoft Exchange, and Oracle

- Configure and perform backup and recovery of: Microsoft SQL, Microsoft SharePoint, Microsoft Exchange, and Oracle databases
- Describe NetWorker integration with VMware and Hyper-V virtual environments for VM backup and recovery
 - Configure and perform backup and recovery of VMware and Hyper-V virtual machines
- Describe configuration, backup and recovery of SAP and SAP HANA applications with NetWorker
- Describe MEDITECH integration with NetWorker
- Describe ProtectPoint integration with NetWorker for backup and recovery

COURSE OUTLINE

Module 1: NetWorker Performance Management

- Lesson: NetWorker Sizing Considerations
- Lesson: NetWorker Performance Best Practices
- Lesson: NetWorker Virtual Edition

Module 2: NetWorker Integration with Data Domain

- Lesson: NetWorker to Data Domain Capabilities and Use Cases
- Lesson: Configuring NetWorker Integration with DD Boost
- Lab: Configure Data Domain for NetWorker Integration

Module 3: NetWorker Integration with Microsoft SQL

- Lesson: NetWorker VSS Integration with Microsoft SQL
- Lesson: NetWorker VDI Integration with Microsoft SQL
- Lab: NetWorker Integration with Microsoft SQL

Module 4: NetWorker Integration with Microsoft Exchange

- Lesson: Exchange Backup with NMM
- Lesson: NMM Recovery of Exchange Mailbox Database
- Lesson: Exchange Granular Level Recovery
- Lesson: NMM Backup of Exchange DAG
- Lesson: NMM Recovery of Exchange DAG Mailbox Database
- Lab: NetWorker Integration with Microsoft Exchange

Module 5: NetWorker Integration with Microsoft SharePoint

- Lesson: NMM and SharePoint Backup
- Lesson: NMM and SharePoint Recovery
- Lab: NetWorker Integration with Microsoft SharePoint

Module 6: NetWorker Integration with Microsoft Hyper-V

- Lesson: NMM Backup of Microsoft Hyper-V
- Lesson: NMM Recovery of Microsoft Hyper-V
- Lab: NetWorker Integration with Microsoft Hyper-V

Module 7: NetWorker Integration with Oracle

- Lesson: Oracle Overview
- Lesson: NetWorker Integration with Oracle
- Lesson: NMDA and Oracle Database Recovery
- Lab: NetWorker Integration with Oracle

Module 8: NetWorker Integration with VMware

- Lesson: VMware Data Protection Overview
- Lesson: NetWorker vProxy Appliance Overview
- Lesson: vProxy Appliance Integration
- Lesson: Migrating from VBA to vProxy
- Lab: NetWorker Integration with VMware

Module 9: NetWorker Integration with SAP

- Lesson: NetWorker Module for SAP Overview
- Lesson: Backing up SAP Oracle with NMSAP
- Lesson: Recovering SAP Oracle with NMSAP
- Lesson: NetWorker Module for SAP and SAP HANA

Module 10: NetWorker Integration with MEDITECH

- Lesson: MEDITECH Overview
- Lesson: NetWorker Module for MEDITECH Overview
- Lesson: NetWorker Module for MEDITECH Configuration
- Lesson: MEDITECH Backup and /Recovery

Module 11: NetWorker Integration with ProtectPoint

- Lesson: ProtectPoint Overview
- Lesson: ProtectPoint for NetWorker Backup and Recovery Operations