



## NET WORKER INTEGRATION WORKSHOP

**DURATION: 5 DAYS**

### COURSE OVERVIEW

This course focuses on optimizing EMC Net Worker performance and integrating with EMC backup products, Microsoft applications, virtual environments, Oracle and SAP. Operational best practices will be provided with a focus on configuring and performing backup and recovery of the listed applications. This course provides participants with hands-on labs to reinforce the training.

### TARGET AUDIENCE

This course is intended for application and backup administrators looking for a deeper understanding of Net Worker integration with applications and hardware components.

### COURSE OBJECTIVES

1. Configure Net Worker resources in accordance with best practices.
2. Configure and perform backup and recovery of filesystem and application data.
3. Understand, configure, and perform backup and recovery using Data Domain devices in accordance with best practices.
4. Understand, configure, and perform backup and recovery using Avamar deduplication nodes.
5. Describe and configure backup and recovery of Microsoft SQL, Exchange, and SharePoint data following best practices.
6. Describe configuration, backup and recovery of Microsoft Hyper-V.
7. Describe configuration, backup and recovery of Oracle databases.
8. Describe configuration, backup and recovery of VMware ESXi.
9. Describe VMware protection strategies.
10. Describe configuration and use cases for Net Worker Snapshot Management.
11. Describe configuration, backup and recovery of SAP and SAP HANA.

### COURSE CONTENT

#### **Module 1: Net Worker Performance Management**

Lesson 1: Net Worker Process Communication

Lesson 2: Sizing Net Worker for Best Performance

Lesson 3: Net Worker Performance Best Practices

Lesson 4: Backup and Recovery Best Practices

Lab 1: Performing Net Worker File Backup and Recovery

### **Module 2: Net Worker Integration with Avamar**

Lesson 1: Capabilities and Use Cases

Lesson 2: Configuring the Integration

Lab 2: Configuring Avamar in a Net Worker Environment

### **Module 3: Net Worker Integration with Data Domain**

Lesson 1: Net Worker to DD Integration and Use Cases

Lesson 2: Configuring Net Worker Integration with Data Domain

Lab 3: Configure Data Domain in Net Worker Environment

### **Module 4: Net Worker Integration with Microsoft SQL**

Lesson 1: Microsoft SQL VSS-based backup with NMM

Lesson 2: Microsoft SQL VSS-based recovery with NMM

Lesson 3: Microsoft SQL VDI-based backup with NMM

Lesson 4: Microsoft SQL VDI-based recovery with NMM

Lab 4: Microsoft SQL Backup and Recovery

### **Module 5: Net Worker Integration with Microsoft Exchange**

Lesson 1: Exchange Backup with NMM

Lesson 2: Exchange Mailbox Database Recovery

Lesson 3: Exchange Granular Level Recovery

Lesson 4: Exchange DAG backup and recovery with NMM

Lab 5: Microsoft Exchange Backup and Recovery

### **Module 6: Net Worker Integration with Microsoft SharePoint**

Lesson 1: NMM and SharePoint Backup

Lesson 2: Microsoft SharePoint Backup and Recovery with NMM

Lab 6: Microsoft SharePoint Backup and Recovery

### **Module 7: Net Worker Integration with Microsoft Hyper-V**

Lesson 1: NMM Configuration for Hyper-V Backup

Lesson 2: NMM Configuration for Hyper-V Recovery

Lab 7: Microsoft Hyper-V Backup and Recovery

### **Module 8: Net Worker Integration with Oracle**

Lesson 1: Oracle and NMDA Overview

Lesson 2: Oracle Database Backup with NMDA

Lesson 3: Oracle Database Recovery with NMDA

Lab 8: Oracle Backup and Recovery

### **Module 9: NetWorker Integration with VMware**

Lesson 1: VMware Data Protection Fundamentals

Lesson 2: EMC Backup and Recovery Appliance Overview

Lesson 3: EBR Installation and Configuration

Lesson 4: VMware Backup and Recovery with Net Worker and EBR

Lab 6: VMware Backup and Recovery

### **Module 10: Net Worker Snapshot Management**

Lesson 1: Net Worker Snapshot Management Overview

Lesson 2: NSM Requirements and Configuration Checker

Lesson 3: NSM File System Backup and Recovery

Lesson 4: NSM Application Backup and Recovery

### **Module 11: Net Worker Integration with SAP**

Lesson 1: SAP and NMSAP Overview

Lesson 2: SAP Backup with NMSAP

Lesson 3: SAP Recovery with NMSAP

Lesson 4: SAP HANA Backup and Recovery with NMSAP

## **COURSE PREREQUISITES**

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

1. Microsoft Windows
2. Network administration in a TCP/IP environment
3. EMC Net Worker
4. Microsoft SQL
5. Microsoft Exchange
6. Microsoft SharePoint
7. Microsoft Hyper-V
8. Oracle databases
9. VMware vSphere
10. SAP and BRTools