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## NetWorker Integration Workshop

**Duration: 5 Days**    **Course Code: NWIW**

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### Overview:

This course focuses on optimizing EMC NetWorker 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.

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### Target Audience:

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

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### Objectives:

- Configure NetWorker resources in accordance with best practices.
  - Describe configuration, backup and recovery of Oracle databases.
  - Configure and perform backup and recovery of filesystem and application data.
  - Describe configuration, backup and recovery of VMware ESXi.
  - Understand, configure, and perform backup and recovery using Data Domain devices in accordance with best practices.
  - Describe VMware protection strategies.
  - Understand, configure, and perform backup and recovery using Avamar deduplication nodes.
  - Describe configuration and use cases for NetWorker Snapshot Management.
  - Describe and configure backup and recovery of Microsoft SQL, Exchange, and SharePoint data following best practices.
  - Describe configuration, backup and recovery of SAP and SAP HANA.
  - Describe configuration, backup and recovery of Microsoft Hyper-V.
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### 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 :**

- Microsoft Windows
  - Network administration in a TCP/IP environment
  - EMC NetWorker
  - Microsoft SQL
  - Microsoft Exchange
  - Microsoft SharePoint
  - Microsoft Hyper-V
  - Oracle databases
  - VMware vSphere
  - SAP and BRTTools
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## Content:

### Module 1: NetWorker Performance Management

- Lesson 1: NetWorker Process Communication
- Lesson 2: Sizing NetWorker for Best Performance
- Lesson 3: NetWorker Performance Best Practices
- Lesson 4: Backup and Recovery Best Practices
- Lab 1: Performing NetWorker File Backup and Recovery

### Module 2: NetWorker Integration with Avamar

- Lesson 1: Capabilities and Use Cases
- Lesson 2: Configuring the Integration
- Lab 2: Configuring Avamar in a NetWorker Environment

### Module 3: NetWorker Integration with Data Domain

- Lesson 1: NetWorker to DD Integration and Use Cases
- Lesson 2: Configuring NetWorker Integration with Data Domain
- Lab 3: Configure Data Domain in NetWorker Environment

### Module 4: NetWorker 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: NetWorker 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: NetWorker 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: NetWorker Integration with Microsoft Hyper-V

- Lesson 1: NMM Configuration or Hyper-V Backup
- Lesson 2: NMM Configuration for Hyper-V Recovery
- Lab 7: Microsoft Hyper-V Backup and Recovery

### Module 8: NetWorker 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 NetWorker and EBR
- Lab 6: VMware Backup and Recovery

### Module 10: NetWorker Snapshot Management

- Lesson 1: NetWorker 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: NetWorker 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

## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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