

(DATAPROT9) NetApp Data Protection Administration Training Course Outline

Module 1: Overview of NetApp Data Protection Technologies –

- Data Protection requirements
- Technologies and management
- Aligning technologies to the risk spectrum
- Data loss risk spectrum
- Replication technologies
 - Snapshot copy and SnapRestore
 - MetroCluster
 - SnapMirror
 - SnapVault
 - NDMP
- Management interfaces and solutions
- Data ONTAP CLI
- OnCommand system manager
- NetApp plug-in for Symantec NetBackup
- Prerequisite Data Protection configurations
- Intercluster failover group
- Verify network interface configurations
- Configure cluster and SVM Peer relationships

Module 2: Data Protection with NetApp Snapshot Copies –

- Snapshot copy
 - Design guidelines
 - Maximum number of copies
 - Manage
 - Obtain information
 - Create manually
 - Modify



- SnapRestore feature
- Considerations before restoring data
- Volume Snapshot restore workflow
- Perform volume SnapRestore operation
- Single file SnapRestore
- Snapshot copy management tasks
 - Guidelines
 - Managing disk space
 - Deleting copies
 - Managing busy copies
 - Autodelet command
- Snapshot Copy policy
 - Assigning
 - Default policies
 - Workflow
 - Managing policies and schedules
 - Job scheduler
 - Volumes

Module 3: Synchronous Data Protection –

- SyncMirror features and guidelines
- MetroCluster
 - Range of protection
 - Components
 - Deployment options
 - SnapMirror and SnapVault
 - NDO



Module 4: Using NDMP for Data Protection –

- NDMP technology
 - Concepts
 - Node-scoped
 - SVM-scoped
 - Volume and tape availability with CAB
 - Backup models – local and remote
 - Authentication methods
 - Design considerations
 - Firewall policy
 - Data ONTAP LIFs
 - CAB extension
 - ndmcopy command
 - Scalability Limits
- NDMP Services
- NDMP passwords

Module 5: Implementing and Managing SnapMirror Technology –

- SnapMirror
 - Capabilities
 - Replication workflow
 - Snapshot copies
 - Intracluster and intercluster
 - Volume automatic resizing
 - Volume move
 - Relationships
 - Licensing
 - Test mode
 - Disaster mode
 - Management interfaces
 - Administration
 - FlexClone technology
 - Throttle



- Network compression
- Load-sharing
- Version-independent

Module 6: SnapVault Backup and Recovery –

- Components of SnapVault solution
- Preconfiguration checklist
 - License codes
 - Language setting
 - Firewall requirements
 - Peer relationship
 - Planning space
 - Snapshot copy policy
- SnapVault destination volume
- Modify SnapVault policy
- Modify relationship
- Manual update
- Restore data

Module 7: Using Data Protection Management Solutions –

- Data Protection technologies and management
- OnCommand console dashboard
- Protection and provisioning capabilities
- SnapManager Suite
- SnapProtect solution overview
- CommCell components
- Symantec NetBackup plug-in 2.0

