

# System Center Data Protection Manager

## **Course Modules**

#### 1. System Center Data Protection Manager course:

- Introduction to System Center Data Protection Manager (DPM):
- Overview of DPM and its role in data protection
- Understanding the importance of data backup and recovery
- Exploring DPM features and capabilities

#### 2. Planning and Deployment:

- Assessing backup requirements and infrastructure needs
- Planning DPM deployment architecture
- Installing and configuring DPM servers and agents

### 3. Protection Group Configuration:

- Creating protection groups for data backup
- Configuring backup schedules and retention policies
- Implementing protection for various workloads

#### 4. Backup and Recovery Operations:

- Performing full, incremental, and differential backups
- Monitoring backup jobs and alerts
- Managing backup storage and disk allocation

#### 5. Disaster Recovery Planning:

- Plan and implement disaster recovery strategies with DPM
- Configuring offsite backup and replication
- Performing data recovery in case of disasters or data loss events



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#### 6. Tape Backup and Archiving:

- Configuring tape backup and archiving in DPM
- Managing tape libraries and media pools
- Implementing long-term data retention and archival policies

#### 7. Data Migration and Consistency Checks:

- Migrating data between storage pools and volumes
- Performing consistency checks and integrity verification
- Resolving data consistency issues and errors

#### 8. Protection for Virtualized Workloads:

- Protecting virtual machines (VMs) with DPM
- Config backup & recovery for Hyper-V and VMware environments
- Implementing host-level and guest-level backups

#### 9. Application-Aware Protection:

- Configuring application-aware backup for Microsoft workloads
- Ensure consistency and integrity of app data during backups
- Recovering individual items from application backups

## 10. Monitoring and Reporting:

- Monitoring DPM infrastructure and backup jobs
- Generating and analyzing backup reports
- Configuring alerts and notifications for backup status and issues

#### 11. Security and Compliance:

- Implementing security best practices for DPM
- Managing user roles and permissions
- Ensure compliance with data protection regulations and policies

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#### 12. Troubleshooting and Maintenance:

- Troubleshooting common DPM issues and errors
- Using DPM logs and diagnostic tools for diagnosis
- Performing routine maintenance tasks and software updates

#### 13. Disaster Recovery Testing and Documentation:

- Planning and conducting disaster recovery drills
- Documenting disaster recovery procedures and runbooks
- Ensuring readiness for real-world disaster scenarios



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