



## Configuring Advanced Windows Server Services

**Description:** This course is part three of a three-course series that includes courses 2041-0 and 2041-1. The series provides the skills and knowledge necessary to implement a core Windows Server infrastructure in an existing enterprise environment. Collectively, the three courses cover implementing, managing, maintaining, and provisioning services and infrastructure in a Windows Server environment. While there is some content crossover across the three courses, 2041-2 builds on the knowledge learned in 2041-0 and 2041-1, and it primarily covers advanced configuration and service tasks for deploying, managing, and maintaining a Windows Server infrastructure. This includes identity management, network load balancing, business continuity, disaster recovery, fault tolerance, and rights management.

**Credit toward Certification:** When you pass Exam 70-412: Configuring Advanced Windows Server Services, counts as credit toward the following certification(s): Microsoft Certified Solutions Associate (MCSA): Windows Server.

### Session 1: Implementing Advanced Network Services

- Configuring Advanced DHCP Features
- Configuring Advanced DNS Settings
- Implementing IP Address Management

### Session 2: Implementing Advanced File Services

- Configuring iSCSI Storage
- Configuring BranchCache
- Optimizing Storage Usage

### Session 3: Implementing Dynamic Access Control

- Overview of Dynamic Access Control
- Planning for Dynamic Access Control
- Deploying Dynamic Access Control

### Session 4: Implementing Network Load Balancing

- Overview of NLB
- Configuring an NLB Cluster
- Planning an NLB Implementation

### Session 5: Implementing Failover Clustering

- Overview of Failover Clustering
- Implementing a Failover Cluster
- Configuring Highly Available Applications and Services on a Failover Cluster
- Maintaining a Failover Cluster
- Implementing a Multi-Site Failover Cluster

### Session 6: Implementing Failover Clustering with Hyper-V

- Overview of Integrating Hyper-V with Failover Clustering
- Implementing Hyper-V Virtual Machines on Failover Clusters
- Implementing Hyper-V Virtual Machine Movement
- Managing Hyper-V Virtual Environments by Using VMM

### Session 7: Implementing Disaster Recovery

- Overview of Disaster Recovery
- Implementing Windows Server Backup
- Implementing Server and Data Recovery

### Session 8: Implementing Distributed Active

- Overview of Distributed AD DS Deployments
- Implementing a Distributed AD DS Environment
- Configuring AD DS Trusts

### Session 9: Implementing Active Directory Domain Services Sites and Replication

- Overview of AD DS Replication
- Configuring AD DS Sites
- Configuring and Monitoring AD DS Replication



**Session10: Implementing Active Directory Certificate Services**

- PKI Overview
- Deploying CAs
- Deploying and Managing Certificate Templates
- Implementing Certificate Distribution and Revocation
- Managing Certificate Recovery

**Session 11: Implementing Active Directory Rights Management Services**

- AD RMS Overview
- Deploying and Managing an AD RMS Infrastructure
- Configuring AD RMS Content Protection
- Configuring External Access to AD RMS

**Session 12: Implementing Active Directory Federation Services**

- Overview of AD FS
- Deploying AD FS
- Implementing AD FS for a Single Organization
- Deploying AD FS in a B2B Federation Scenario



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