

# Configuring Advanced Windows Server® 2012 Services – 70-412

## Module 1: Implementing Advanced Network Services

- **Lesson 1:** Configuring Advanced DHCP Features
- **Lesson 2:** Configuring Advanced DNS Settings
- **Lesson 3:** Implementing IPAM
- **Lesson 4:** Managing IP Address Spaces with IPAM
- **Lab:** Implementing Advanced Network Services

## Module 2: Implementing Advanced File Services

- **Lesson 1:** Configuring iSCSI Storage
- **Lesson 2:** Configuring BranchCache
- **Lesson 3:** Optimizing Storage Usage
- **Lab A:** Implementing Advanced File Services
- **Lab B:** Implementing BranchCache

## Module 3: Implementing Dynamic Access Control

- **Lesson 1:** Overview of DAC
- **Lesson 2:** Implementing DAC Components
- **Lesson 3:** Implementing DAC for Access Control
- **Lesson 4:** Implementing Access Denied Assistance
- **Lesson 5:** Implementing and Managing Work Folders
- **Lab:** Implementing Secure Data Access

## Module 4: Implementing Distributed Active Directory® Domain Services Deployments

- **Lesson 1:** Overview of Distributed AD DS Deployments
- **Lesson 2:** Deploying a Distributed AD DS Environment
- **Lesson 3:** Configuring AD DS Trusts
- **Lab:** Implementing Distributed AD DS Deployments

## Module 5: Implementing Active Directory Domain Services Sites and Replication

- **Lesson 1:** AD DS Replication Overview
- **Lesson 2:** Configuring AD DS Sites
- **Lesson 3:** Configuring and Monitoring AD DS Replication
- **Lab:** Implementing AD DS Sites and Replication

## Module 6: Implementing AD CS

- **Lesson 1:** Using Certificates in a Business Environment
- **Lesson 2:** PKI Overview
- **Lesson 3:** Deploying CAs
- **Lab A:** Deploying and Configuring a CA Hierarchy
- **Lesson 4:** Deploying and Managing Certificate Templates
- **Lesson 5:** Implementing Certificate Distribution and Revocation
- **Lesson 6:** Managing Certificate Recovery
- **Lab B:** Deploying and Managing Certificates

## Module 7: Implementing Active Directory Rights Management Services

- **Lesson 1:** AD RMS Overview
- **Lesson 2:** Deploying and Managing an AD RMS Infrastructure
- **Lesson 3:** Configuring AD RMS Content Protection
- **Lesson 4:** Configuring External Access to AD RMS
- **Lab:** Implementing AD RMS

## **Module 8: Implementing and Administering AD FS**

- **Lesson 1:** Overview of AD FS
- **Lesson 2:** Deploying AD FS
- **Lesson 3:** Implementing AD FS for a Single Organization
- **Lab A:** Implementing AD FS
- **Lesson 4:** Deploying AD FS in a Business-to-Business Federation Scenario
- **Lesson 5:** Extending AD FS to External Clients
- **Lab B:** Implementing AD FS for External Partners and Users

## **Module 9: Implementing Network Load Balancing**

- **Lesson 1:** Overview of NLB
- **Lesson 2:** Configuring an NLB Cluster
- **Lesson 3:** Planning an NLB Implementation
- **Lab:** Implementing NLB

## **Module 10: Implementing Failover Clustering**

- **Lesson 1:** Overview of Failover Clustering
- **Lesson 2:** Implementing a Failover Cluster
- **Lesson 3:** Configuring Highly Available Applications and Services on a Failover Cluster
- **Lesson 4:** Maintaining a Failover Cluster
- **Lesson 5:** Implementing a Multisite Failover
- **Lab:** Implementing Failover Clustering

## **Module 11: Implementing Failover Clustering with Hyper-V**

- **Lesson 1:** Overview of Integrating Hyper-V with Failover Clustering
- **Lesson 2:** Implementing Hyper-V Virtual Machines on Failover Clusters
- **Lesson 3:** Implementing Hyper-V Virtual Machine Movement
- **Lab:** Implementing Failover Clustering with Hyper-V

## **Module 12: Implementing Business Continuity and Disaster Recovery**

- **Lesson 1:** Data Protection Overview
- **Lesson 2:** Implementing Windows Server Backup
- **Lesson 3:** Implementing Server and Data Recovery
- **Lab:** Implementing Windows Server Backup and Restore