

Course Details

Course 20412A

Configuring Advanced Windows Server 2012 Services

Length: 5 Days

Published: September 28, 2012

Language(s): English

Audience(s): IT Professionals

Level: 200

Technology: Windows Server 2012

Type: Course

Delivery Method: Instructor-led (classroom)

Prerequisites

Before attending this course, students must have:

- Hands-on experience working in a Windows Server 2008 or Windows Server 2012 enterprise environment.
- Real-world experience implementing, managing, and configuring AD DS and networking infrastructure in an enterprise environment.
- Knowledge equivalent to courses: 20410A: Installing and Configuring Windows Server 2012, and 20411A: Administering Windows Server 2012.

Course Outline

Module 1: Implementing Advanced Network Services

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

Module 2: Implementing Advanced File Services

- Configuring iSCSI Storage
- Configuring BranchCache
- Optimizing Storage Usage

Module 3: Implementing Dynamic Access Control

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

Module 4: Implementing Network Load Balancing

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

Module 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

Module 7: Implementing Disaster Recovery

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

Module 9: Implementing Active Directory Domain Services Sites and Replication

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

Module 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

Module 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

Module 8: Implementing Distributed Active Directory Domain Services Deployments

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

Module 10: Implementing Active Directory Certificate Services

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

Module 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