



Price: \$2,195
Length: 35 Hours (5 days)

Introduction: Learn how to provision and configure advanced services using Windows Server 2012 with this five-day course. This course primarily covers advanced configuration of services necessary to deploy, manage and maintain a Windows Server 2012 infrastructure, such as advanced networking services, Active Directory Domain Services (AD DS), identity management, rights management, Federated services, network load balancing, failover clustering, business continuity and disaster recovery.

Target Audience: This course is intended for IT professionals with hands-on experience implementing, managing, and maintaining a Windows Server 2012 infrastructure in an existing enterprise environment, who wish to acquire the skills and knowledge necessary to perform advanced management and provisioning of services within that Windows Server 2012 environment. Suitable candidates are typically experienced system administrators who have real-world experience working in a Windows Server 2008, Windows server 2008 R2 or Windows Server 2012 environment.

Prerequisites:

- Good hands-on experience working in a Windows Server 2008, Windows server 2008 R2 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: 20410B: Installing and Configuring Windows Server 2012, and 20411B: Administering Windows Server 2012.

Course Objectives: After completing this course, students will be able to:

- Implement advanced network services.
- Implement advanced file services.
- Implement Dynamic Access Control.
- Implement distributed Active Directory Domain Services (AD DS) deployments.
- Implement AD DS sites and replication.
- Implement Active Directory Certification Services (AD CS).
- Implement Active Directory Rights Management Services (AD RMS).
- Implement Active Directory Federation Services (AD FS).
- Implement network load balancing (NLB).
- Implement failover clustering.
- Implement failover clustering with Hyper-V.
- Implement disaster recovery.



Course Outline

I. Implementing Advanced Network Services

- A. Configuring Advanced DHCP Features
- B. Configuring Advanced DNS Settings
- C. Implementing IPAM

II. Implementing Advanced File Services

- A. Configuring iSCSI Storage
- B. Configuring BranchCache
- C. Optimizing Storage Usage

III. Implementing Dynamic Access Control

- A. Overview of Dynamic Access Control
- B. Planning for Dynamic Access Control
- C. Deploying Dynamic Access Control

IV. Implementing Distributed Active Directory Domain Service Deployments

- A. Overview of Distributed AD DS Deployments
- B. Deploying a Distributed AD DS Environment
- C. Configuring AD DS Trusts

V. Implementing Active Directory Domain Services Sites and Replication

- A. Overview of AD DS Replication
- B. Configuring AD DS Sites
- C. Configuring and Monitoring AD DS Replications

VI. Implementing Active Directory Certificate Services

- A. Public Key Infrastructure (PKI) Overview
- B. Deploying CAs
- C. Deploying and Configuring CA Hierarchy
- D. Deploying and Managing Certificate Templates
- E. Implementing Certificate Distribution and Revocation
- F. Managing Certificate Recovery

VII. Implementing Active Directory Certificate Rights Management Services

- A. AD RMS Overview
- B. Deploying and Managing an AD RMS Infrastructure
- C. Configuring AD RMS Content Protection
- D. Configuring External Access to AD RMS

VIII. Implementing Active Directory Federation Services

- A. Overview of AD FS
- B. Deploying AD FS
- C. Implementing AD FS for a Single Organization
- D. Deploying AD FS in a B2B Federations Scenario

IX. Implementing Network Load Balancing

- A. Overview of NLB
- B. Configuring an NLB Cluster
- C. Planning an NLB Implementation

X. Implementing Failover Clustering

- A. Overview of Failover Clustering
- B. Implementing a Failover Cluster
- C. Configuring Highly Available Applications and Services on a Failover Cluster
- D. Maintaining a Failover Cluster
- E. Implementing a Multi-Site Failover Cluster

XI. Implementing Failover Clustering with Hyper-V

- A. Overview of Integrating Hyper-V with Failover Clustering
- B. Implementing Hyper-V Virtual Machines on Failover Clusters
- C. Implementing Hyper-V Virtual Movement
- D. Managing Hyper-V Virtual Environments by Using VMM

XII. Implementing Disaster Recovery

- A. Overview of Disaster Recovery
- B. Implementing Windows Server Backup
- C. Implementing Server and Data Recovery