



Configuring Advanced Windows Server 2012 Services (MS20412)

Introduction

This course focuses on 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), Active Directory Rights Management Services (AD RMS), Active Directory Federation Services (AD FS), Network Load Balancing, Failover Clustering, business continuity and disaster recovery services as well as access and information provisioning and protection technologies such as Dynamic Access Control (DAC), and Web Application Proxy integration with AD FS and Workplace Join.

To complete the complete Microsoft MCSA Server 2012, 2 other modules needs to be taken.

MS20410 - Installing and Configuring Windows Server 2012

MS20411 - Administering Windows Server 2012

For Who?:

This course is intended for Information Technology (IT) Professionals with hands on experience implementing, managing and maintaining a Windows Server 2012 or Windows Server 2012 R2 environment who wish to acquire the skills and knowledge necessary to perform advanced management and provisioning of services within that Windows Server 2012 environment.

Certificate Of Attendance :

Certificate Of Attendance will be awarded to participants completing the course achieving minimum 75% attendance.

Training Duration:

Full-time: 5 Days

Time : 9.30am – 5.30pm

Exam Fee :

Course : S\$1,999 excluding Microsoft Exam

Regn Fee:S\$50

Microsoft Exam - 70-412 (S\$246)

All fees subject to GST 7%.

Microsoft Exam :

- This course prepares participants for Microsoft Exam : 70-412

DETAILED COURSE OUTLINE

MS20412 : Configuring Advanced Windows Server 2012 Services

Module 1: Implementing Advanced Network Services

This module explains how to configure advanced features for Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS), and configure IP Address Management (IPAM).

- Configuring Advanced DHCP Features
- Configuring Advanced DNS Settings
- Implementing IPAM
- Managing IP Address Spaces with IPAM

Module 2: Implementing Advanced File Services

This module explains how to configure file services to meet advanced business requirements.

- Configuring iSCSI Storage
- Configuring BranchCache
- Optimizing Storage Usage

Module 3: Implementing Dynamic Access Control

This module explains how to configure Dynamic Access Control (DAC) to manage and audit access to shared files.

- Overview of DAC
- Implementing DAC Components
- Implementing DAC for Access Control
- Implementing Access Denied Assistance
- Implementing and Managing Work Folders

Module 4: Implementing Distributed AD DS Deployments

This module explains how to plan and implement an Active Directory Domain Services (AD DS) deployment that includes multiple domains and forests.

- Overview of Distributed AD DS Deployments
- Deploying a Distributed AD DS Environment

- Configuring AD DS Trusts

Module 5: Implementing AD DS Sites and Replication

This module explains how to plan and implement an AD DS deployment that includes multiple locations.

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

Module 6: Implementing Active Directory Certificate Services

In this module, you will learn how to implement an Active Directory Certificate Services (AD CS) deployment Overview of Remote Access

- Using Certificates in a Business Environment
- PKI Overview
- Deploying CAs
- Deploying and Managing Certificate Templates
- Implementing Certificate Distribution and Revocation
- Managing Certificate Recovery

Module 7: Implementing Active Directory Rights Management Services

This module explains module explains how to implement an AD RMS deployment.

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

Module 8: Implementing Active Directory Rights Management Services

This module explains how to implement an Active Directory Federation Services (AD FS) deployment.

- Overview of AD FS
- Deploying AD FS
- Implementing AD FS for a Single Organization
- Deploying AD FS in a Business-to-Business Federation Scenario
- Extending AD FS to External Clients

Module 9: Implementing Network Load Balancing

This module describes how to provide high availability and load balancing for web-based applications by implementing Network Load Balancing (NLB).

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

Module 10: Implementing Failover Clustering

This module explains how to provide high availability for network services and applications by implementing failover clustering.

- Failover Clustering Overview
- 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 11: Implementing Failover Clustering with Hyper-V

This module how to deploy and manage Hyper-V virtual machines in a failover cluster.

- 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 12: Implementing Business Continuity and Disaster Recovery

This module explains how to implement a backup and disaster recovery solution based on business and technical requirements.

- Data Protection Overview
- Implementing Windows Server Backup
- Implementing Server and Data Recovery

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