



Implementing an Advanced Server Infrastructure

(MS20414)

Introduction

This course is intended for Information Technology (IT) professionals who are responsible for planning, designing and deploying a physical and logical Windows Server 2012 enterprise and Active Directory Domain Services (AD DS) infrastructures including the network services. Candidates would typically have experience of previous Windows Server operating systems and have Windows Server 2012 certification (MCSA) or equivalent skills.

To complete the complete Microsoft MCSE Server 2012, 4 other modules needs to be taken.

MS20410 - Installing and Configuring Windows Server 2012

MS20412 - Configuring Advanced Windows Server 2012 Services

MS20411 - Administering Windows Server 2012

MS20413 - Designing and Implementing a Server Infrastructure

Target Audience:

This course is for IT professionals who are looking to take the exam 70-414: Implementing an Advanced Enterprise Server Infrastructure, as a standalone, or as part of the requirement for the MCSE certification.

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\$2,999 excluding Microsoft Exam

Regn Fee: S\$50

Microsoft Exam Code : 70-414

All fees subject to GST 7%.

Microsoft Exam :

- This course prepares participants for Microsoft Exam : 70-414

DETAILED COURSE OUTLINE

MS20414: Implementing an Advanced Server Infrastructure

Module 1: Planning and Implementing a Server Virtualization Strategy

This module explains how to plan and implement a server virtualization strategy using Microsoft System Center 2012.

- Overview of System Center 2012 Components
- Integrating System Center 2012 and Server Virtualization
- Planning and Implementing a Server Virtualization Host Environment

Module 2: Planning and Implementing Networks and Storage for Virtualization

This module explains how to plan a storage infrastructure for a Hyper-V server virtualization deployment.

- Planning a Storage Infrastructure for Virtualization
- Implementing a Storage Infrastructure for Virtualization
- Planning and Implementing a Network Infrastructure for Virtualization

Module 3: Planning and Deploying Virtual Machines

This module explains how to plan and deploy virtual machines on Windows Hyper-V.

- Planning Virtual Machine Configuration
- Preparing for Virtual Machine Deployments with VMM
- Deploying Virtual Machines

Module 4: Planning and Implementing a Virtualization Administration Solution

This module explains how to plan and implement a virtualization administration solution by using System Center 2012..

- Planning and Implementing Microsoft System Center Administration
- Planning and Implementing Self-Service with System Center
- Planning and Implementing Automation with System Center

Module 5: Planning and Implementing a Server Monitoring Strategy

This module explains how to plan and implement a server monitoring strategy using the Windows Server 2012 tools and using Microsoft System Center 2012 - Operations Manager (Operations Manager).

- Planning Monitoring in Windows Server 2012
- Overview of System Center Operations Manager
- Planning and Configuring Monitoring Components
- Configuring Integration with VMM

Module 6: Planning and Implementing High Availability for File Services and Applications

This module explains how to plan and implement an application and file services infrastructure that is highly available.

- Planning and Implementing Storage Spaces
- Planning and Implementing DFS
- Planning and Implementing Network Load Balancing

Module 7: Planning and Implementing a Highly Available Infrastructure Using Failover Clustering

This module explains how to plan and implement a highly available server infrastructure by using the failover clustering features in Windows Server 2012.

- Planning a Failover Clustering Infrastructure
- Implementing Failover Clustering
- Integrating Failover Clustering with Server Virtualization
- Planning a Multi-Site Failover Cluster

Module 8: Planning and Implementing a Server Updates Infrastructure

This module explains how to plan and implement an infrastructure for updating Windows Servers and virtual machines.

- Planning and Implementing a Windows Server Update Services (WSUS) Deployment
- Planning Software Updates with System Center 2012 Configuration Manager
- Planning and Implementing Updates in a Server Virtualization Infrastructure

Module 9: Planning and Implementing a Business Continuity Strategy

This module how to plan and implement a business continuity strategy in a Windows Server 2012 environment .

- Overview of Business Continuity Planning
- Planning and Implementing Backup Strategies
- Planning and Implementing Recovery
- Planning and Implementing Virtual Machine Backup and Recovery

Module 10: Planning and Implementing a Public Key Infrastructure.

This module explains how to plan and implement a PKI deployment, and plan and implement a certificate management solution .

- Planning and Implementing a Certification Authority Deployment
- Planning and Implementing Certificate Templates
- Planning and Implementing Certificate Distribution and Revocation
- Planning and Implementing Key Archival and Recovery

Module 11: Planning and Implementing an Identity Federation Infrastructure

This module how to plan and implement an AD FS server deployment and claims aware application access .

- Planning and Implementing an AD FS Server Infrastructure
- Planning and Implementing AD FS Claim Providers and Relying Parties
- Planning and Implementing AD FS Claims and Claim Rules

Module 12: Planning and Implementing an Information Rights Management Infrastructure

This module explains how to plan and implement an Active Directory Rights Management Services (AD RMS) deployment, plan and manage AD RMS templates and access, and plan and implement external access to AD RMS services .

- Planning and Implementing an AD RMS Cluster
- Planning and Implementing AD RMS Templates and Policies
- Planning and Implementing External Access to AD RMS Services
- Planning and Implementing AD RMS Integration with Dynamic Access Control (DAC)



IT Enabler Consultancy Pte Ltd

(Co Reg No. 200211025Z)

35 Selegie Road #09-06 Parklane Shopping Mall Singapore 188307

Tel : 6333 4843 Fax : 63334883 URL : www.ienabler.com.sg