

OD20413CC: Designing and Implementing a Server Infrastructure Windows Server 2012 MOD

Course Details

Course Outline

1. Planning Server Upgrade and Migration

- Considerations for Upgrades and Migrations
- Creating a Server Upgrade and Migration Plan
- Planning for Virtualization
- Lab : Planning a Server Upgrade and Migration

2. Planning and Implementing a Server Deployment Strategy

- Selecting an Appropriate Server Deployment Strategy
- Implementing an Automated Deployment Strategy
- Lab : Planning and Implementing a Server Deployment Infrastructure

3. Planning and Deploying Servers Using Virtual Machine Manager

- System Center 2012 R2 Virtual Machine Manager Overview
- Implementing a Virtual Machine Manager Library and Profiles
- Planning and Deploying Virtual Machine Manager Services
- Lab : Planning and Deploying Virtual Machines by Using Virtual Machine Manager

4. Designing and Maintaining an IP Configuration and Address Management Solution

- Designing DHCP Servers
- Planning DHCP Scopes
- Designing an IPAM Provisioning Strategy
- Managing Servers and Address Spaces by Using IPAM
- Lab : Designing and Maintaining an IP Configuration and IP Address Management Solution

5. Designing and Implementing Name Resolution

- Designing a DNS Server Implementation Strategy
- Designing the DNS Namespace
- Designing DNS Zones
- Designing DNS Zone Replication and Delegation
- Optimizing DNS Servers

- Designing DNS for High Availability and Security
- Lab : Designing and Implementing Name Resolution

6. Designing and Implementing an Active Directory Domain Services Forest and Domain Infrastructure

- Designing an Active Directory Forest
- Designing and Implementing Active Directory Forest Trusts
- Designing Active Directory Integration with Windows Azure Active Directory
- Designing and Implementing Active Directory Domains
- Designing DNS Namespaces in Active Directory Environments
- Designing Active Directory Domain Trusts
- Lab : Designing and Implementing an Active Directory Domain Services Forest Infrastructure
- Lab : Designing and Implementing an Active Directory Domain Infrastructure

7. Designing and Implementing an AD DS Organizational Unit Infrastructure

- Planning the Active Directory Administrative Tasks Delegation Model
- Designing an OU Structure
- Designing and Implementing an AD DS Group Strategy
- Lab : Designing and Implementing an Active Directory OU Infrastructure and Delegation Model

8. Designing and Implementing a Group Policy Object Strategy

- Collecting the Information Required for a GPO Design
- Designing and Implementing GPOs
- Designing GPO Processing
- Planning Group Policy Management
- Lab : Designing and Implementing a Group Policy Object Strategy

9. Designing and Implementing an AD DS Physical Topology

- Designing and Implementing Active Directory Sites
- Designing Active Directory Replication
- Designing the Placement of Domain Controllers
- Virtualization Considerations for Domain Controllers
- Designing Highly Available Domain Controllers
- Lab : Designing and Implementing an Active Directory Domain Services Physical Topology

10. Planning and Implementing Storage and File Services

- Planning and Implementing iSCSI SANs
- Planning and Implementing Storage Spaces
- Optimizing File Services for Branch Offices
- Lab : Planning and Implementing Storage

11. Designing and Implementing Network Protection

- Overview of Network Security Design
- Designing and Implementing a Windows Firewall Strategy
- Designing and Implementing a NAP Infrastructure
- Lab : Designing and Implementing Network Protection

12. Designing and Implementing Remote Access Services

- Planning and Implementing DirectAccess
- Planning and Implementing VPN
- Planning and Implementing Web Application Proxy
- Planning a Complex Remote Access Infrastructure
- Lab : Designing and Implementing Network Access Services