

Designing and Implementing a Server Infrastructure (Exam 70-413)



Course Outline

1. Planning a Server Upgrade and Migration

- Upgrade and Migration Considerations
- Creating a Server Upgrade and Migration Plan
- Planning for Virtualization

2. Planning and Implementing a Server Deployment Infrastructure

- Selecting an Appropriate Server Imaging Strategy
- Selecting a Deployment Automation Strategy
- Implementing an Automated Deployment Strategy

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

- Designing and Implementing DHCP
- Planning and Implementing DHCP Scopes
- Planning and Implementing an IPAM Provisioning Strategy

4. Designing and Implementing Name Resolution

- Designing a Domain Name System (DNS) Server Implementation Strategy
- Designing the DNS Namespace
- Designing and Implementing DNS Zones
- Designing and Configuring DNS Zone Replication and Delegation
- Optimizing DNS Servers
- Designing DNS for High Availability and Security

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

- Designing an AD DS Forest
- Designing and Implementing AD DS Forest Trusts

- Designing and Implementing AD DS Domains
- Designing DNS Namespaces in AD DS Environments
- Designing AD DS Domain Trusts

6. Designing and Implementing an Active Directory Organizational Unit Infrastructure

- Planning the Active Directory Administrative Tasks Delegation Model
- Designing the OU Structure
- Designing and Implementing an Active Directory Group Strategy

7. Designing and Implementing a Group Policy Object Strategy

- Gathering the Information Required for a GPO Design
- Designing and Implementing GPOs
- Designing GPO Processing
- Planning Group Policy Management

8. Designing and Implementing an Active Directory Domain Services Topology

- Designing and Implementing AD DS Sites
- Designing AD DS Replication
- Designing the Placement of Domain Controllers
- Virtualization Considerations for Domain Controllers
- Designing Highly Available Domain Controllers

9. Planning and Implementing Storage

- Storage Considerations
- Planning and Implementing iSCSI SANs
- Storage Spaces in Windows Server 2012

10. Planning and Implementing File Services

- Planning and Implementing DFS
- Planning and Implementing BranchCache
- Planning and Implementing Dynamic Access Control

11. Designing and Implementing Network Access Services

- Designing and Implementing Remote Access Services
- Designing RADIUS Authentication by Using NPS
- Designing a Perimeter Network
- Planning and Implementing DirectAccess

12. Designing and Implementing Network Protection

- Overview of Network Security Design
- Identifying and Mitigating Common Network Security Threats
- Designing and Implementing a Windows Firewall Strategy
- Designing and Implementing a NAP Infrastructure