

20414: Implementing an Advanced Server Infrastructure (Windows Server 2012) Boot Camp

Course Details

Course Outline

- 1. Module 1: Planning and Implementing a Server Virtualization Strategy**
 - Overview of System Center 2012 Components
 - Integrating System Center 2012 and Server Virtualization
 - Planning and Implementing a Server Virtualization Host Environment
- 2. Module 2: Planning and Implementing Networks and Storage for Virtualization**
 - Planning a Storage Infrastructure for Virtualization
 - Implementing a Storage Infrastructure for Virtualization
 - Planning and Implementing a Network Infrastructure for Virtualization
- 3. Module 3: Planning and Deploying Virtual Machines**
 - Planning Virtual Machine Configuration
 - Preparing for Virtual Machine Deployments with VMM
 - Deploying Virtual Machines
- 4. Module 4: Planning and Implementing a Virtualization Administration Solution**
 - Planning and Implementing Microsoft System Center Administration
 - Planning and Implementing Self-Service with System Center
 - Planning and Implementing Automation with System Center
- 5. Module 5: Planning and Implementing a Server Monitoring Strategy**
 - Planning Monitoring in Windows Server 2012
 - Overview of System Center Operations Manager
 - Planning and Configuring Monitoring Components
 - Configuring Integration with VMM
- 6. Module 6: Planning and Implementing High Availability for File Services and Applications**
 - Planning and Implementing Storage Spaces
 - Planning and Implementing DFS
 - Planning and Implementing Network Load Balancing

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

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

8. Module 8: Planning and Implementing an Server Updates Infrastructure

- 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

9. Module 9: Planning and Implementing a Business Continuity Strategy

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

10. Module 10: Planning and Implementing an Public Key Infrastructure

- 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

11. Module 11: Planning and Implementing an Identity Federation Infrastructure

- 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

12. Module 12: Planning and Implementing an Information Rights Management Infrastructure

- 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)