20412: Configuring Advanced Windows Server 2012 Services Boot Camp

Course Details

Course Outline

1. **Module 1: Implementing Advanced Network Services**
   - Configuring Advanced DHCP Features
   - Configuring Advanced DNS Settings
   - Implementing IPAM
   - Managing IP Address Spaces with IPAM
   - Lab : Implementing Advanced Network Services

2. **Module 2: Implementing Advanced File Services**
   - Configuring iSCSI Storage
   - Configuring BranchCache
   - Optimizing Storage Usage
   - Lab : Implementing Advanced File Services
   - Lab : Implementing BranchCache

3. **Module 3: Implementing Dynamic Access Control**
   - Overview of DAC
   - Implementing DAC Components
   - Implementing DAC for Access Control
   - Implementing Access Denied Assistance
   - Implementing and Managing Work Folders
   - Lab : Implementing Secure Data Access

4. **Module 4: Implementing Distributed AD DS Deployments**
   - Overview of Distributed AD DS Deployments
   - Deploying a Distributed AD DS Deployment
   - Configuring AD DS Trusts
   - Lab : Implementing Distributed AD DS Deployments

5. **Module 5: Implementing AD DS Sites and Replication**
   - AD DS Replication Overview
   - Configuring AD DS Sites
   - Configuring and Monitoring AD DS Replication

- Lab : Implementing AD DS Sites and Replication

6. **Module 6: Implementing Active Directory Certificate Services**
   - Using Certificates in a Business Environment
   - PKI Overview
   - Deploying CAs
   - Deploying and Managing Certificate Templates
   - Implementing Certificate Distribution and Revocation
   - Managing Certificate Recovery
   - Lab : Deploying and Configuring CA Hierarchy
   - Lab : Deploying and Managing Certificates

7. **Module 7: Implementing Active Directory Rights Management Services**
   - AD RMS Overview
   - Deploying and Managing an AD RMS Infrastructure
   - Configuring AD RMS Content Protection
   - Configuring External Access to AD RMS
   - Lab : Implementing AD RMS

8. **Module 8: Implementing Active Directory Federation Services**
   - AD FS Overview
   - Deploying AD FS
   - Implementing AD FS for a Single Organization
   - Deploying AD FS in a B2B Federation Scenario
   - Implementing Web Application Proxy
   - Lab : Implementing AD FS
   - Lab : Implementing AD FS for External Partners and Users

9. **Module 9: Implementing Network Load Balancing**
   - Overview of NLB
   - Configuring an NLB Cluster
   - Planning an NLB Implementation
   - Lab : Implementing NLB

10. **Module 10: 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
- Lab : Implementing Failover Clustering

11. Module 11: Implementing Failover Clustering with Hyper-V

- 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
- Lab : Implementing Failover Clustering with Hyper-V

12. Module 12: Implementing Disaster Recovery

- Overview of Disaster Recovery
- Implementing Windows Server Backup
- Implementing Server and Data Recovery
- Lab : Implementing Windows Server Backup and Restore