

Course Outline



Tel: +44 (0) 118 979 4000 Fax: +44 (0) 118 979 4000

Email: training@ptr.co.uk Web: www.ptr.co.uk

Configuring Advanced Windows Server 2012 Services

Course Description:

Get hands-on instruction and practice configuring advanced Windows Server 2012, including Windows Server 2012 R2, services in this five-day course.

This course prepares you for the Microsoft Certified Solutions Associate (MCSA) Exam 412: Configuring Advanced Windows Server 2012 Services, which is the 3rd of 3 exams required for the MCSA: Windows Server 2012 credential.

Pre-requisites:

Experience working with Windows Server 2008 or Windows Server 2012 servers day to day in an Enterprise environment.

The course pre-requisites can be met by having knowledge equivalent to, or by attending courses: Installing and Configuring Windows Server 2012 and Administering Windows Server 2012, as this course will build upon the knowledge and skills covered in those courses.

Course Content:

- **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
 - Configuring Advanced DHCP Settings
 - Configuring Advanced DNS Settings
 - Configuring IPAM

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Registered Office: Grenville Court Britwell Road Burnham Bucks SL1 8DF Company Registered No: 2442290 – VAT registration No:532 1929 56

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- **Implementing Advanced File Services**
 - Configuring iSCSI Storage
 - Configuring BranchCache
 - Optimizing Storage Usage
 - Lab : Implementing Advanced File Services
 - Configuring iSCSI Storage
 - Configuring the File Classification Infrastructure
 - Lab : Implementing BranchCache
 - Configuring the Main Office Servers for BranchCache
 - Configuring the Branch Office Servers for BranchCache
 - Configuring Client Computers for BranchCache
 - Monitoring BranchCache
- **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
 - Preparing for DAC deployment
 - Implementing DAC
 - Validating and Remediating DAC
 - Implementing Work Folders

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- **Implementing Distributed Active Directory Domain Services Deployments**
 - Overview of Distributed AD DS Deployments
 - Deploying a Distributed AD DS Environment
 - Configuring AD DS Trusts
 - Lab : Implementing Distributed AD DS Deployments
 - Implementing Child Domains in AD DS
 - Implementing Forest Trusts
- **Implementing Active Directory Domain Services Sites and Replication**
 - AD DS Replication Overview
 - Configuring AD DS Sites
 - Configuring and Monitoring AD DS Replication
 - Lab : Implementing AD DS Sites and Replication
 - Modifying the Default Site
 - Creating Additional Sites and Subnets
 - Configuring AD DS Replication
 - Monitoring and Troubleshooting AD DS Replication

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- **Implementing AD CS**
 - 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
 - Deploying a Stand-Alone Root CA
 - Deploying an Enterprise Subordinate CA
 - Lab : Deploying and Managing Certificates
 - Configuring Certificate Templates
 - Configuring Certificate Enrollment
 - Configuring Certificate Revocation
 - Configuring Key Recovery
- **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
 - Installing and Configuring AD RMS
 - Configuring AD RMS Templates
 - Implementing the AD RMS Trust Policies
 - Verifying AD RMS on a Client

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- **Implementing and Administering AD FS**
 - Overview of AD FS
 - Deploying AD FS
 - Implementing AD FS for a Single Organization
 - Deploying AD FS in a Business-to-Business Federation Scenario
 - Extending AD FS to External Clients
 - Lab : Implementing AD FS
 - Installing and Configuring AD FS
 - Configuring an Internal Application for AD FS
 - Lab : Implementing AD FS for External Partners and Users
 - Configuring AD FS for a Federated Business Partner
 - Configuring Web Application Proxy
- **Implementing Network Load Balancing**
 - Overview of NLB
 - Configuring an NLB Cluster
 - Planning an NLB Implementation
 - Lab : Implementing NLB
 - Implementing an NLB Cluster
 - Configuring and Managing the NLB Cluster
 - Validating High Availability for the NLB Cluster

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- **Implementing Failover Clustering**
 - Overview of Failover Clustering
 - 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
 - Configuring a Failover Cluster
 - Deploying and Configuring a Highly Available File Server
 - Validating the Deployment of the Highly Available File Server
 - Configuring CAU on the Failover Cluster
- **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
 - Lab : Implementing Failover Clustering with Hyper-V
 - Configuring Hyper-V Replicas
 - Configuring a Failover Cluster for Hyper-V
 - Configuring a Highly Available Virtual Machine
- **Implementing Business Continuity and Disaster Recovery**
 - Data Protection Overview
 - Implementing Windows Server Backup
 - Implementing Server and Data Recovery
 - Lab : Implementing Windows Server Backup and Restore
 - Backing Up Data on a Windows Server 2012 R2 Server
 - Restoring Files Using Windows Server Backup

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5 Days