

# Configuring Advanced Windows Server 2012 Services

20412D



**Delivery Type:** Classroom

**Duration:** 5 days

## Overview:

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

This course focuses on advanced configuration of services necessary to deploy, manage and maintain a Windows Server 2012 infrastructure, such as advanced networking services, Active Directory Domain Services (AD DS), Active Directory Rights Management Services (AD RMS), Active Directory Federation Services (AD FS), Network Load Balancing, Failover Clustering, business continuity and disaster recovery services as well as access and information provisioning and protection technologies such as Dynamic

Access Control (DAC), and Web Application Proxy integration with AD FS and Workplace Join.

This course maps directly to and is the preferred choice for hands-on preparation for Microsoft Certified Solutions Associate (MCSA): Exam 412: Configuring Advanced Windows Server 2012 Services, which is the third of three exams required for MCSA: Windows Server 2012 credential.

Note: Labs in this course are based on Windows Server 2012 R2 and Windows 8.1.

## Audience Profile:

- ✓ Experienced Windows Server Administrators who have real world experience working in a Windows Server 2008 or Windows Server 2012 enterprise environment.
- ✓ IT Professionals who are looking to take the exam 412: Configuring

Advanced Windows Server 2012 Services.

- ✓ IT Professionals wishing to take the Microsoft Certified Solutions Expert (MCSE) exams in Datacenter, Desktop Infrastructure, Messaging, Collaboration and Communications will also be interested in taking this course as they prepare for the MCSA exams, which are a pre-requisite for their individual specialties.

### Course Completion:

After completing this course, students will be able to:

- ✓ Configure advanced features for Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and configure IP Address Management (IPAM) with Windows Server 2012.
- ✓ Configure and manage iSCSI, BranchCache and FSRM.
- ✓ Configure DAC to manage and audit access to shared files.
- ✓ Plan and implement an AD DS deployment that includes multiple domains and forests.
- ✓ Plan and implement an AD DS deployment that includes locations.
- ✓ Implement and configure an Active Directory Certificate Services (AD CS) deployment.
- ✓ Implement an AD RMS deployment.
- ✓ Implement an AD FS deployment.
- ✓ Provide high availability and load balancing for web-based

applications by implementing Network Load Balancing (NLB).

- ✓ Implement and validate high availability and load balancing for web-based applications by implementing NLB.
- ✓ Provide high availability for network services and applications by implementing failover clustering.
- ✓ Implement a failover cluster, and configure and validate a highly available network service.
- ✓ Deploy and manage Hyper-V virtual machines in a failover cluster.
- ✓ Implement a backup and disaster recovery solution based on business and technical requirements.

### Prerequisites:

Before attending this course, students must have:

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 attendance at, courses 20410C: Installing and Configuring Windows Server 2012 and 20411C: Administering Windows Server 2012 as this course will build upon the knowledge and skills covered in those courses.