



# Configuring Advanced Windows Server 2012 Services

## Training Details

Training Time	:	5 Days
Capacity	:	12
Prerequisites	:	There are no prerequisites for this course.

## About Training

### About Training

Get hands-on instruction and practice configuring advanced Windows Server 2012, including Windows Server 2012 R2, services in course. This course is part three in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment.

The three courses collectively cover implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Although there is some cross-over of skills and tasks across these courses, 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.

### What You'll Learn

- 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.

## Who Should Attend

This course is intended for Information Technology (IT) Professionals with hands on experience implementing, managing and maintaining a Windows Server 2012 or Windows Server 2012 R2 environment who wish to acquire the skills and knowledge necessary to perform advanced management and provisioning of services within that Windows Server 2012 environment.

Candidates who would typically be interested in attending this course will be:

- 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.

## Outline

- Module 1: Implementing Advanced Network Services
- Module 2: Implementing Advanced File Services
- Module 3: Implementing Dynamic Access Control
- Module 4: Implementing Distributed Active Directory Domain Services Deployments
- Module 5: Implementing Active Directory Domain Services Sites and Replication
- Module 6: Implementing AD CS
- Module 7: Implementing Active Directory Rights Management Services
- Module 8: Implementing and Administering AD FS

- Module 9: Implementing Network Load Balancing
- Module 10: Implementing Failover Clustering
- Module 11: Implementing Failover Clustering with Hyper-V
- Module 12: Implementing Business Continuity and Disaster Recovery

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