

70-412 - Configuring Advanced Windows Server 2012 R2 Services

Modality: Self-Paced Learning

Duration: 15 Hours

SUBSCRIPTION: Learn, Master, Master Plus

About this course:

Get hands-on instruction and practice configuring advanced Windows Server 2012, including Windows Server 2012 R2, services in this Microsoft Official 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. The actual purpose for this course is to prepare our students for the [Microsoft 70-412 Configuring Advanced Windows Server 2012 Services certification exam](#).

The average salary for a IT Professional is **\$85,460** per year.

Course Objective:

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.

Audience:

This course is intended for:

- Experienced Windows Server Administrators
- IT Professionals wishing to take the Microsoft Certified Solutions Expert (MCSE) exams

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.

Suggested prerequisites courses:

- [Installing and Configuring Windows Server 2012 - MOC On Demand \(MS-20410\)](#)
- [Administering Windows Server 2012 - MOC On Demand \(MS-20411\)](#)

Course Outline:

- **Course Introduction**
- Module 01 - Network Services
- Module 02 - High Availability
- Module 03 - Hyper-V and High Availability
- Module 04 - Active Directory
- Module 05 - Active Directory Federation Services
- Module 06 - File and Storage Services
- Module 07 - Business Continuity and Disaster Recovery
- Module 08 - Active Directory Certificate Services
- Module 09 - Active Directory Rights Management Services
- Course Conclusion