

70-412 - Configuring Advanced Windows Server 2012 R2 Services

Modality: On Demand

Duration: 15 Hours

This course prepares you for the 70-412 Exam leading to 70-412 Certification. This course does not include the Official Exam Voucher, however, you can request to purchase the Official Exam Voucher separately.

About this course:

As technology becomes an integral part of almost all industries today, it is pertinent to remember that no business can be entirely successful without utilizing modern tech. Hence, it is safe to assume that the demand for IT experts will only increase in the future. But those experts have to stay up to date with the latest tech. Currently, the average salary for an IT Professional is **\$85,460** per annum.

This course is the third part of a series of three courses on Windows Server 2012. The series serves as a master class in helping students acquire the skills and understanding needed to launch a core Windows Server 2012 infrastructure in a previously existing enterprise environment. This series of three courses focuses on implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment.

Since all three courses deal with the same broad theme at hand, sometimes there is an overlap of the topics and techniques being discussed between these courses. This particular course focuses on an advanced configuration of services required for the deployment, management and maintenance of a Windows Server 2012 infrastructure. Examples include 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. Moreover, it also gives extensive examples to work with information provisioning and protection technologies such as Dynamic Access Control (DAC), and Web Application Proxy integration with AD FS and Workplace Join.

This course goes one step further by moving to practical exercises as compared to just theoretical knowledge. Along with tutorials this course includes practical exercises to practice the configuration of advanced Windows Server 2012, including Windows Server 2012 R2 and services in this Microsoft Official Course.

Primarily, this course has been designed specifically to prepare all participants for the Microsoft 70-412 Configuring Advanced Windows Server 2012 Services certification exam and ensure that they clear it with flying colors.

Course Objectives:

By the end of this course, the students should be have learnt the following skills and be able to;

- Acquire the skills needed to configure advanced features for Dynamic Host Configuration

Protocol (DHCP), Domain Name System (DNS), and configure IP Address Management (IPAM) with Windows Server 2012.

- Acquire the skills needed to configure and maintain iSCSI, BranchCache and FSRM.
- Acquire the skills needed to configure DAC to manage and audit access to shared files.
- Learn how to chalk out a plan and execute an AD DS deployment that includes multiple domains and forests.
- Chalk out a clear plan for an AD DS deployment that includes locations and implement it.
- Learn how to efficiently implement and configure an Active Directory Certificate Services (AD CS) deployment.
- Learn how to properly execute an AD RMS deployment.
- Learn how to properly execute an AD FS deployment.
- Learn how to provide high availability and load balancing for web-based applications by implementing Network Load Balancing (NLB).
- Learn how to execute and validate high availability and load balancing for web-based applications by implementing NLB.
- Ensure provision a high availability for network services and applications by implementing failover clustering.
- Generate execution of a failover cluster,
- Learn how to configure and validate a highly available network service.
- Understand and learn skills needed to deploy and manage Hyper-V virtual machines in a failover cluster.
- Design and execute a backup and disaster recovery solution based on business and technical requirements.

Audience:

This course is targeted towards the following audience;

- Those Windows Server Administrators who can be termed as experienced
- Those IT Professionals who aspire to clear the Microsoft Certified Solutions Expert (MCSE) exams

Prerequisites:

These are the prerequisites which are an absolute requirement for attending this course.

- Some experience working with Windows Server 2008 or Windows Server 2012 in an Enterprise environment and handling daily tasks.

Suggested prerequisite course:

The following courses are suggested to be taken prior to attending this course

- 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