

70-413 - Designing and Implementing a Server Infrastructure

Modality: On Demand

Duration: 14 Hours

About the Course:

This course is a comprehensive guide for the design and implementation phase of server infrastructure. Students here will cover all the necessary topics regarding the upgrade and migration of the server.

Also, topics such as logical AD infrastructure, AD GPO, network infrastructure services, and domain controllers are a part of the course.

This course will fully prepare a student for the certification of [Microsoft 70-413: Designing and Implementing a Server Infrastructure](#).

A network and server infrastructure specialist earn \$110,000 on average per year.

Course Objective:

- Upgrade and migrate a server
- Completely plan and implement a deployment strategy for the server
- Deploy servers with System Center 2012 R2 Virtual Machine Manager (VMM)
- Properly design, maintain and implement an IP configuration solution
- Plan and design a name resolution
- AD DS forest and domain infrastructure
- AD DS organizational unit (OU) infrastructure
- Group Policy Object (GPO) strategy
- AD DS physical topology
- Maintain and plan network protection services
- Design a plan for remote access services

Audience:

This course targets individuals who plan, design, deploy and maintain a physical and a logical Windows Server 2012 enterprise Active Directory® Domain Services (AD DS).

They must also have prior working experience as a server operator and must have the necessary skills for Windows Server 2012 certification Microsoft Certified Solutions Associate (MCSA).

Prerequisite:

This course requires excellent Windows client and server OS skills and also fundamental AD DS networking experience. Working experience in an enterprise environment is also a must. Students shall also have the following technical understanding:

- Transmission Control Protocol/Internet Protocol (TCP/IP) basics
- Fundamental networking concepts
- Deep knowledge of Windows Server 2012 R2 and Active Directory® Domain Services (AD DS) including domain user accounts, domain vs. local user accounts, user profiles, and group membership.
- A strong grasp on the concepts of script and batch files
- Security concepts including authentication and authorization
- Understanding of deployment, packaging, and imaging tools
- Should be a team player
- Strong documentation and communication skills so that the person can create appropriate proposals
- Understanding of the concepts taught in Windows 2012 R2 MCSA

Suggested prerequisites courses:

- [Installing and Configuring Windows Server 2012 - MOC On-Demand \(MS-20410\)](#)
- [Administering Windows Server 2012 - MOC On-Demand \(MS-20411\)](#)
- [Configuring Advanced Windows Server 2012 Services - MOC On-Demand \(MS-20412\)](#)

OR

- [Upgrading Your Skills to MCSA Windows Server 2012 - MOC On-Demand \(MS-20417\)](#)

Course Outline:

Here is the course outline for this course:

- Course Introduction
- Module 01 - Server Infrastructure - Upgrade and Migration
- Module 02 - Storage and File Services
- Module 03 - Network Infrastructure Services
- Module 04 - Planning for External User Access
- Module 05 - Design and Implement Logical AD Infrastructure
- Module 06 - AD GPO
- Module 07 - Designing a Physical AD Infrastructure
- Module 08 - Domain Controllers
- Course Conclusion