



FASTTRACK TO WINDOWS SERVER 2012 MCSA (PART1)

COURSE OVERVIEW

The GK6436 is part 1 of a 10 day Fast Track which will help you to build your hands-on skills and prepare for the MCSA: Windows Server 2012 certification exams.

Please note that part 1 of this 10 day Fast Track (GK6436) covers the M20410 and M20411.

Delegates will be booked on to the standard M20412 to complete the remaining 5 days study.

This Fast Track, led by senior Global Knowledge instructors, includes targeted lectures using Microsoft Learning recommended content.

This Fast Track includes all the exam vouchers required for certification along with one free retake voucher per exam if needed.

This exclusive study program includes: Ask the Expert support by Global Knowledge mentors, Access to the online Microsoft Press reference Library, Recorded "Power-hours" for each exam; providing on-line review sessions, 6 months post course on demand 24/7 remote labs access and practice exams.

TARGET AUDIENCE

IT professionals with at least two years of hands-on experience implementing and administering network and desktop operating systems; Systems engineers, network engineers, systems analysts, network analysts, and technical consultants who want to prepare for their MCSA: Windows Server 2012 credential in an accelerated format; MCSAs on Windows Server 2008.

COURSE OBJECTIVES

- Administer a Windows Server 2012 Infrastructure in an enterprise environment
- Implement and configure Windows Server 2012 core services, such as Active Directory and the networking services
- Administration tasks necessary to maintain a Windows Server 2012 infrastructure, including user and group management, network access, and data security
- Server installation methods, server virtualisation, managing storage and configuring remote access.

- Key topics and concepts addressed on the MCSA: Windows Server 2012 exams

COURSE CONTENT

M20410 Module 1: Deploying and Managing Windows Server 2012

- Windows Server 2012 Overview
- Overview of Windows Server 2012 Management
- Installing Windows Server 2012
- Post-Installation Configuration of Windows Server 2012
- Introduction to Windows PowerShell

M20410 Module 2: Introduction to Active Directory Domain Services

- Overview of AD DS
- Overview of Domain Controllers
- Installing a Domain Controller

M20410 Module 3: Managing Active Directory Domain Services Objects

- Managing User Accounts
- Managing Group Accounts
- Managing Computer Accounts
- Delegating Administration

M20411 Module 1: Deploying and Maintaining Server Images

- Overview of Windows Deployment Services
- Implementing Deployment with Windows Deployment Services
- Administering Windows Deployment Services

M20411 Module 3: Maintaining Active Directory Domain Services

- Overview of AD DS
- Implementing Virtualized Domain Controllers
- Implementing RODC
- Administering AD DS
- Managing the AD DS Database

M20410 Module 4: Automating Active Directory Domain Services Administration

- Using Command-line Tools for AD DS Administration
- Using Windows PowerShell for AD DS Administration

- Performing Bulk Operations with Windows PowerShell

M20410 Module 8: Implementing IPv6

- Overview of IPv6
- IPv6 Addressing
- Coexistence with IPv6
- IPv6 Transition Technologies

M20410 Module 7: Implementing Domain Name System

- Name Resolution for Windows Client and Servers
- Installing and Managing a DNS Server
- Managing DNS Zones

M20411 Module 4: Managing User and Service Accounts

- Automating User Account Management
- Configuring Password-Policy and User-Account Lockout Settings
- Configuring Managed Service Accounts

M20411 Module 2: Configuring and Troubleshooting Domain Name System

- Installing the DNS Server Role
- Configuring the DNS Server Role
- Configuring DNS Zones
- Configuring DNS Zone Transfers
- Managing and Troubleshooting DNS

M20410 Module 9: Implementing Local Storage

- Overview of Storage
- Managing Disks and Volumes
- Implementing Storage Spaces

M20410 Module 11: Implementing Group Policy

- Overview of Group Policy
- Group Policy Processing
- Implementing a Central Store for Administrative Templates

M20410 Module 12: Securing Windows Servers Using Group Policy Objects

- Windows Operating Systems Security Overview
- Configuring Security Settings
- Restricting Software

- Configuring Windows Firewall with Advanced Security

M20411 Module 5: Implementing a Group Policy Infrastructure

- Introducing Group Policy
- Implementing and Administering Group Policy Objects (GPOs)
- Group Policy Scope and Group Policy Processing
- Troubleshooting the Application of GPOs

M20411 Module 6: Managing User Desktops with Group Policy

- Implementing Administrative Templates
- Configuring Folder Redirection and Scripts
- Configuring Group Policy Preferences
- Managing Software with Group Policy

M20411 Module 7: Configuring and Troubleshooting Remote Access

- Configuring Network Access
- Configuring Virtual Private Network (VPN) Access
- Overview of Network Policies
- Troubleshooting Routing and Remote Access
- Configuring DirectAccess

M20411 Module 8: Installing, Configuring, and Troubleshooting the Network Policy Server Role

- Installing and Configuring a NPS
- Configuring Remote Authentication Dial-In User Service (RADIUS) Clients and Servers
- NPS Authentication Methods
- Monitoring and Troubleshooting a NPS

M20411 Module 9: Implementing Network Access Protection

- Overview of Network Access Protection
- Overview of NAP Enforcement Processes
- Configuring NAP
- Monitoring and Troubleshooting NAP

M20410 Module 13: Implementing Server Virtualization with Hyper-V

- Overview of Virtualization Technologies
- Implementing Hyper-V
- Managing Virtual Machine Storage

- Managing Virtual Networks

M20411 Module 10: Optimizing File Services

- Overview of FSRM
- Using FSRM to Manage Quotas, File Screens, and Storage Reports
- Implementing Classification and File Management Tasks
- Overview of Distributed File System (DFS)
- Configuring DFS Namespaces
- Configuring and Troubleshooting Distributed File System Replication (DFS-R)

M20411 Module 11: Configuring Encryption and Advanced Auditing

- Encrypting Files by Using Encrypting File System
- Configuring Advanced Auditing

COURSE PREREQUISITES

- Two years of hands-on experience working in a Windows Server 2008 or Windows Server 2012 environment
- Recommended: Hands-on Windows Client experience with Windows Vista, Windows 7, or Windows 8