Administering Windows Server 2012 R2

Duration: 5 Days   Course Code: M20411   Version: D

Overview:

EOL - 30/12/21

This version of this course 20411A utilizes pre-release software in the virtual machines for the labs.
This Microsoft On-Demand course is part two of a series of three courses, which provide the skills and knowledge necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. The three courses in total will collectively cover implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. While there is some cross-over in skillset and tasks across the courses, this course will primarily cover the administration tasks necessary to maintain a Windows Server 2012 infrastructure, such as user and group management, network access and data security.
EXCLUSIVE! This course is also available as part of our Microsoft Total Access collection subscription which includes access to all available Microsoft Official Course On-Demand titles for 12 months. Learn more about the MicrosoftTotal Access collection on http://www.gkondemand.com or call your Training Advisor for details.

Target Audience:

This GK Digital Learning course is intended for Information Technology (IT) Professionals with hands on experience working in a Windows Server 2008 or Windows Server 2012 environment, who wish to acquire the skills and knowledge necessary to be able to manage and maintain the core infrastructure required for a Windows Server 2012 environment. The key focus for students in this course is to broaden the initial deployment of Windows Server 2012 services and infrastructure and provide the skills necessary to manage and maintain a domain based Windows Server 2012 environment, such as user and group management, network access and data security.

Objectives:

- After completing this course, students will be able to:

- Implement a Group Policy infrastructure.

- Manage user desktops with Group Policy.

- Manage user and service accounts.

- Maintain Active Directory Domain Services (AD DS).

- Configure and troubleshoot Domain Name System (DNS).

- Configure and troubleshoot Remote Access.

- Install, configure, and troubleshoot the Network Policy Server (NPS) role.

- Implement Network Access Protection (NAP).

- Optimize file services.

- Configure encryption and advanced auditing.

- Deploy and maintain server images.

Prerequisites:

Before attending this course, students must have:

- At least one year of experience working with Windows Server 2008, Windows Server 2008 R2 or Windows Server 2012.
- Good knowledge and understanding of Active Directory and networking infrastructure.
- Knowledge equivalent to that already covered in "20410A:Installing and Configuring Windows Server 2012".

Content:

Module 1: Implementing a Group Policy Infrastructure

- Understanding Group Policy
- Implementing GPOs
- Managing Group Policy Scope
- Group Policy Processing
- Troubleshooting Policy Application

Module 2: Managing User Desktops with Group Policy

- Implementing Administrative Templates
- Configuring Group Policy Preferences
- Managing Software with GPSI

Module 3: Managing User and Service Accounts

- Creating and Administering User Accounts
- Configuring User Object Attributes
- Automating User Account Creation
- Configuring Managed Service Accounts

Module 4: Maintaining Active Directory Domain Services

- Implementing Virtualized Domain Controllers
- Implementing Read Only Domain Controllers
- Administering AD DS
- Managing the AD DS Database

Module 5: Configuring and Troubleshooting DNS

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

Module 6: Configuring and Troubleshooting Remote Access

- Configuring Network Access
- Configuring VPN Access
- Overview of Network Policies
- Troubleshooting Routing and Remote Access
- Configuring DirectAccess

Module 7: Installing, Configuring, and Troubleshooting the Network Policy Server Role

- Installing and Configuring a Network Policy Server
- Configuring RADIUS Clients and Servers
- NPS Authentication Methods
- Monitoring and Troubleshooting a Network Policy Server

Module 8: Implementing Network Access Protection

- Overview of Network Access Protection
- How NAP Works
- Configuring NAP
- Monitoring and Troubleshooting NAP

Module 9: Optimizing File Services

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

Module 10: Configuring Encryption and Advanced Auditing

- Encrypting Network Files with EFS
- Configuring Advanced Auditing

Module 11: Deploying and Maintaining Server Images

- Overview of WDS
- Implementing Deployment with WDS
- Administering WDS

Module 12: Implementing Update Management

- Overview of WSUS
- Deploying Updates with WSUS

Module 13: Monitoring Windows Server 2012

- Monitoring Tools
- Using Performance Monitor
- Monitoring Event Logs

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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