

KOENIG SOLUTIONS • COURSE OUTLINE

Administering Windows Server 2012 – 70-411

Learn to configure, administer and troubleshoot core Windows Server 2012 services, from DNS and Active Directory to remote access and file services.

13

MODULES

51

TOPICS

17

HANDS-ON ACTIVITIES

COURSE OVERVIEW

This course covers configuring and troubleshooting DNS, followed by maintaining Active Directory Domain Services and managing user and service accounts. It then addresses building a Group Policy infrastructure and using it to manage user desktops, before moving into Network Policy Server, Network Access Protection and Remote Access technologies such as DirectAccess, VPN and Web Application Proxy. Later modules cover optimising file services with FSRM and DFS, configuring encryption with BitLocker and EFS alongside advanced auditing, deploying server images with Windows Deployment Services, managing updates through WSUS, and monitoring Windows Server 2012 with performance and event log tools.

WHO THIS COURSE IS FOR

Systems Administrators

Network Administrators

Server Administrators

IT Support Engineers

Infrastructure Engineers

LEARNING OBJECTIVES

- Configure and troubleshoot DNS zones and zone transfers
- Administer and maintain the Active Directory Domain Services database
- Configure password policies and managed service accounts
- Implement and troubleshoot Group Policy Objects and their scope
- Manage user desktops using administrative templates and preferences
- Configure a Network Policy Server and Network Access Protection
- Implement remote access solutions such as DirectAccess and VPN
- Optimise file services using FSRM and DFS

13 Modules, 51 Topics

01

Lab

Configuring and Troubleshooting Domain Name System

TOPICS

- Lesson 1: Configuring the DNS Server Role
- Lesson 2: Configuring DNS Zones
- Lesson 3: Configuring DNS Zone Transfers
- Lesson 4: Managing and troubleshooting DNS

02

Lab

Maintaining Active Directory® Domain Services

TOPICS

- Lesson 1: Overview of AD DS
- Lesson 2: Implementing Virtualized Domain Controllers
- Lesson 3: Implementing RODCs
- Lesson 4: Administering AD DS
- Lesson 5: Managing the AD DS Database

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Lab

Managing User and Service Accounts

TOPICS

- Lesson 1: Configuring Password Policy and User Account Lockout Settings
- Lesson 2: Configuring Managed Service Accounts

04

Lab

Implementing a Group Policy Infrastructure

TOPICS

- Lesson 1: Introducing Group Policy
- Lesson 2: Implementing and Administering GPOs
- Lesson 3: Group Policy Scope and Group Policy Processing
- Lesson 4: Troubleshooting the Application of GPOs

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Managing User Desktops with Group Policy

TOPICS

- Lesson 1: Implementing Administrative templates
- Lesson 2: Configuring Folder Redirection and Scripts
- Lesson 3: Configuring Group Policy Preferences
- Lesson 4: Managing Software with Group Policy

06**Lab**

Installing, Configuring, and Troubleshooting the Network Policy Server Role

TOPICS

- Lesson 1: Installing and Configuring a Network Policy Server
- Lesson 2: Configuring RADIUS Clients and Servers
- Lesson 3: NPS Authentication Methods
- Lesson 4: Monitoring and Troubleshooting a Network Policy Server

07**Lab**

Implementing Network Access Protection

TOPICS

- Lesson 1: Overview of Network Access Protection
- Lesson 2: Overview of NAP Enforcement Processes
- Lesson 3: Configuring NAP
- Lesson 4: Configuring IPsec Enforcement for NAP
- Lesson 5: Monitoring and Troubleshooting NAP

08**Lab A****Lab B****Lab C****Lab D**

Implementing Remote Access

TOPICS

- Lesson 1: Overview of Remote Access
- Lesson 2: Implementing DirectAccess by Using the Getting Started Wizard
- Lesson 3: Implementing and Managing an Advanced DirectAccess Infrastructure
- Lesson 4: Implementing VPN
- Lesson 5: Implementing Web Application Proxy

09

Lab A

Lab B

Optimizing File Services

TOPICS

- Lesson 1: Overview of FSRM
- Lesson 2: Using FSRM to Manage Quotas, File Screens, and Storage Reports
- Lesson 3: Implementing Classification and File Management Tasks
- Lesson 4: Overview of DFS
- Lesson 5: Configuring DFS Namespaces
- Lesson 6: Configuring and Troubleshooting DFS Replication

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Lab

Configuring Encryption and Advanced Auditing

TOPICS

- Lesson 1: Encrypting Drives by Using BitLocker
- Lesson 2: Encrypting Files by Using EFS
- Lesson 3: Configuring Advanced Auditing

11

Lab

Deploying and Maintaining Server Images

TOPICS

- Lesson 1: Overview of Windows Deployment Services
- Lesson 2: Managing Images
- Lesson 3: Implementing Deployment with Windows Deployment Services
- Lesson 4: Administering Windows Deployment Services

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Lab

Implementing Update Management

TOPICS

- Lesson 1: Overview of WSUS
- Lesson 2: Deploying Updates with WSUS

Monitoring Windows Server 2012

TOPICS

- Lesson 1: Monitoring Tools
- Lesson 2: Using Performance Monitor
- Lesson 3: Monitoring Event Logs

HANDS-ON ACTIVITIES

Practise What You Learn

#	MODULE	ACTIVITY
01	Configuring and Troubleshooting Domain Name System	Lab: Configuring and Troubleshooting DNS
02	Maintaining Active Directory® Domain Services	Lab: Maintaining AD DS
03	Managing User and Service Accounts	Lab: Managing User and Service Accounts
04	Implementing a Group Policy Infrastructure	Lab: Implementing a Group Policy Infrastructure
05	Managing User Desktops with Group Policy	Lab: Managing User Desktops with Group Policy
06	Installing, Configuring, and Troubleshooting the Network Policy Server Role	Lab: Installing and Configuring a Network Policy Server
07	Implementing Network Access Protection	Lab: Implementing Network Access Protection
08	Implementing Remote Access	Lab A: Implementing DirectAccess by Using the Getting Started Wizard Lab B: Deploying an Advanced DirectAccess Solution Lab C: Implementing VPN Lab D: Implementing Web Application Proxy
09	Optimizing File Services	Lab A: Configuring Quotas and File Screening Using File Server Resource Manager Lab B: Implementing Distributed File System
10	Configuring Encryption and Advanced Auditing	Lab: Configuring Encryption and Advanced Auditing

#	MODULE	ACTIVITY
11	Deploying and Maintaining Server Images	Lab: Using Windows Deployment Services to Deploy Windows Server 2012
12	Implementing Update Management	Lab: Implementing Update Management
13	Monitoring Windows Server 2012	Lab: Monitoring Windows Server 2012

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

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✉ info@koenig-solutions.com