

KOENIG SOLUTIONS • COURSE OUTLINE

Implementing and Managing Windows 11

Learn to install, configure, secure, and troubleshoot Windows 11 across devices, networks, storage, and apps in an organisation.

4 Days

32 HOURS

10

MODULES

34

TOPICS

28

HANDS-ON ACTIVITIES

COURSE OVERVIEW

The “Implementing and Managing Windows 11” course is designed to provide IT professionals with comprehensive knowledge and skills necessary to effectively install, configure, manage, and troubleshoot Microsoft’s latest operating system, Windows 11. Through a series of modules, participants will learn about Installing Windows 11, understanding new features, performing upgrades, Managing updates, Configuring system settings, and ensuring robust security. Additionally, the course covers Network connectivity, Resource management, App deployment, and Performance monitoring. Hands-on labs offer practical experience, reinforcing lessons on Managing storage, user accounts, data recovery, and more. By completing this course, learners will be equipped to maintain a reliable and optimized Windows 11 environment, crucial for modern workplace demands. This training is essential for anyone looking to master Windows 11 management and support within their organization or for their clients.

WHO THIS COURSE IS FOR

The Implementing and Managing Windows 11 course is designed for IT professionals seeking to master the latest Windows OS. Target Audience for the Implementing and Managing Windows 11 Course:

IT Support Technicians

Systems Administrators

Network Administrators

IT Professionals seeking Windows 11 certification

Help Desk Technicians

Desktop Support Analysts

IT Consultants

Technology Specialists

Infrastructure Managers

Security Analysts with a focus on Windows environments

Enterprise Systems Architects

Technical Support Personnel

PC Technicians looking to upgrade their skills

Microsoft Certified Professionals aiming to update their credentials

What You Will Learn

- Install and upgrade devices to Windows 11
- Manage Windows 11 updates and user state migration
- Configure devices using Windows Admin Center and PowerShell
- Configure network connectivity, name resolution and remote access
- Manage storage, Storage Spaces and shared resources
- Deploy and manage apps and Microsoft Edge settings
- Implement security features such as BitLocker and UAC
- Monitor performance and troubleshoot startup and recovery issues

COURSE SYLLABUS

10 Modules, 34 Topics

01

2 Activities

Installing Windows 11

This module describes the new features of Windows 11. The module also lists the hardware requirements for Windows 11, and describes the interactive installation process. The module then goes on to explain the various deployment options that could also be used in larger networks. The module also includes a review of the new user interface.

LESSONS

Introducing Windows 11 · Installing Windows 11

02

3 Activities

Upgrading and Updating Windows 11

This module describes the various upgrade and migration options available for installers. It also discusses how to migrate user state following an upgrade or migration. In the second half of the module, students learn how to manage Windows 11 updates.

LESSONS

Upgrading to Windows 11 · Migrating user state · Managing Windows 11 updates

03

2 Activities

Configuring Windows 11 Devices

This module explains how to complete typical post-installation configuration options for Windows 11. Students also learn how to use both the Settings app and Control Panel to complete typical installation tasks.

LESSONS

Local configuration tools in Windows 11 · Using Windows Admin Center · Using Windows PowerShell · Implementing Remote Management

04**3 Activities**

Configuring Network Connectivity

This module provides guidance on configuring network settings, including how to set up and manage a VPN.

LESSONS

Configuring network connectivity · Implementing name resolution · Implementing remote access

05**2 Activities**

Managing Storage

This module describes a typical disk configuration for a Windows 11 computer. The module then provides guidance on how to manage both local storage, and how to configure access to remote storage, such as OneDrive. Students also learn how to enable and configure Storage Spaces.

LESSONS

Overview of storage options · Managing local storage · Managing Storage Spaces

06**3 Activities**

Managing Resources

This module provides an overview of supported file systems, and explains use-case scenarios for each. Students then learn how to configure and manage access to shared files, how to implement file synchronization using Work Folders, and how to manage printer access.

LESSONS

Configuring and managing file access · Configuring and managing shared folders · Implementing Work Folders · Managing printers

07**3 Activities**

Managing Apps in Windows 11

This module describes how to deploy apps to Windows 11 devices. Students also learn how to troubleshoot apps. Finally, the module also discusses how to configure Microsoft Edge browser settings.

LESSONS

Deploying apps · Managing access to the Microsoft Store · Configuring Microsoft Edge

08**3 Activities**

Implementing and Managing Security

This module outlines common security threats and available mitigations. Students then learn to configure user and group accounts and User Account Control (UAC) settings. The module also discusses data security issues, and then provides a description of available technologies that can help mitigate those threats, including Credential Guard, Exploit Guard, and BitLocker. Finally, the module explores ways that students can help secure network traffic.

LESSONS

Managing user and group accounts · Configuring User Account Control · Implementing BitLocker · Implementing Windows 11 security features · Securing against network threats

09**3 Activities**

Monitoring Windows 11

This module helps students identify performance-related problems with Windows 11 computers. Students also learn how to implement monitoring, including how to access and interpret event log data.

LESSONS

Monitoring Windows 11 · Optimizing Windows 11 performance

10**4 Activities**

Troubleshooting Windows 11

This module explores how to troubleshoot issues related to hardware devices and device drivers. It also covers how to recover Windows 11 computers that won't start, or start with errors. Students also learn how to recover files.

LESSONS

Managing Windows 11 startup · Recovering Windows 11 · Managing devices and drivers · Understanding the registry · Recovering files

Practise What You Learn

#	MODULE	ACTIVITY
01	Installing Windows 11	LAB 1: INTRODUCING WINDOWS 11 INSTALLING WINDOWS 11 ■ Performing a Windows 11 installation ■ Navigating the Windows 11 user interface
02	Upgrading and Updating Windows 11	LAB 1: UPGRADING AND UPDATING WINDOWS 11 ■ Performing an upgrade from Windows 10 ■ Migrating user state from Windows 10 ■ Configuring and managing Windows 11 updates
03	Configuring Windows 11 Devices	LAB 1: CONFIGURING WINDOWS 11 DEVICES ■ Configuring Windows 11 devices with Windows Admin Center ■ Configuring Windows 11 devices with Windows PowerShell
04	Configuring Network Connectivity	LAB 1: CONFIGURING NETWORK CONNECTIVITY ■ Configuring IPv4 settings ■ Configuring and testing name resolution ■ Configuring a VPN
05	Managing Storage	LAB 1: MANAGING STORAGE ■ Managing a simple volume ■ Creating storage space
06	Managing Resources	LAB 1: MANAGING RESOURCES ■ Creating, managing, and sharing folder ■ Implementing Work Folders ■ Managing printers
07	Managing Apps in Windows 11	LAB 1: MANAGING APPS ■ Restricting access to the Microsoft Store ■ Configuring Microsoft Edge ■ Enabling Application Guard
08	Implementing and Managing Security	LAB 1: IMPLEMENTING AND MANAGING SECURITY ■ Configuring local security policy settings ■ Implementing BitLocker ■ Configuring Windows Defender Firewall
09	Monitoring Windows 11	LAB 1: MONITORING WINDOWS 11 ■ Working with events ■ Reviewing performance using Resource Monitor ■ Reviewing performance using Performance Monitor

#	MODULE	ACTIVITY
10	Troubleshooting Windows 11	LAB 1: TROUBLESHOOTING WINDOWS 11 ■ Managing device drivers ■ Using File History and Previous Versions to recover files ■ Recovering a device with a restore point ■ Using the advanced startup options

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

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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