WIN-ADM

Installing, Configuring and Maintaining Windows Client

Description:

In this course, students will learn how to support the installation and configuration tasks associated with Windows 11. Students will develop skills that include learning how to install and customize Windows 11 operating systems, application and managing storage, files, drivers, and printers as well as how to configure network connectivity for Windows 11.

Students will be introduced to common methods used for authentication and access control. This course will teach how to configure file and folder permissions and creating security policies. Students will also be introduced to the different types of external threats and how to leverage features like encryption and firewalls, as well as tools like Windows Defender.

Students will be able to:

- Prepare to install Windows 11
- Install Windows 11
- Configure Updates for Windows.
- Perform post-installation configuration tasks.
- Configure devices and drivers for Windows.
- Configure storage for Windows.
- Configure network settings in Windows.
- Configure remote management of Windows.
- Configure and manage applications in Windows.
- Configure Internet Explorer.
- Describe the methods for securing Windows 11.
- Configure account access and authentication.
- Configure file and folder permissions.
- Create security policies.
- Use Windows troubleshooting and monitoring tools.
- Troubleshoot Windows and application installations.
- Troubleshoot web browser settings.
- Troubleshoot Windows authentication.
- Troubleshoot hardware issues related to Windows machines.

Course requirements:

- Basic understanding of computer networks and hardware concepts, OS and Application concepts.
- Experience with using the Windows OS.

This course is intended for:

Candidates for this exam are IT professionals who perform installation, configuration, general local management and maintenance of Windows 11 core services. Candidates may also be familiar with enterprise scenarios and cloud-integrated services.

Literature:

All participants will receive internal OKsystem materials.

Hardware:

Classrooms are equipped with high-performance computers with Internet access and the possibility of wireless connection.

Syllabus:

Module 1: Installing Windows

- Introducing Windows 11
- Installation Options
- Requirements for Windows Features
- Installation Process and Media
- Upgrading to Windows 11

Module 2: Updating Windows

- Windows Servicing Model
- Updating Windows
- Applying Applications and Windows Updates

Module 3: Post-installation Configuration and Personalization

- Customize the Windows 11 UI.
- Configure device specific settings such as power plans and mobile device options.
- Use the Windows control panel and setting app to configure settings.
- Describe using Windows PowerShell.

Module 4: Configuring Peripherals and Drivers

- Managing Devices and Drivers
- Managing Printers

Module 5: Configuring Networking

- Configure IP Network Connectivity
- Implement Name Resolution
- Implement Wireless Network Connectivity
- Remote Access Overview
- Remote Management

Module 6: Configuring Storage

- Overview of storage options
- Using OneDrive
- Managing Disks, Partitions, and Volumes
- Maintaining Disks and Volumes
- Managing Storage Spaces

Module 7: Managing Apps in Windows 11

- Providing Apps to Users
- Managing Universal Windows Apps
- The Windows Store
- Web browsers in Windows 11

Module 8: Configuring Authorization & Authentication

- Using Security Settings to Mitigate Threats
- Configuring User Account Control
- Implementing Device Registration
- Authentication

Module 9: Configuring Data Access and Usage

- Overview of File Systems
- Configuring and Managing File Access
- Configuring and Managing Shared Folders
- Managing Security with Policies

Module 10: Configuring Advanced Management Tools

- Configuring Tenant Roles
- Managing Tenant Health and Services

Module 11: Supporting the Windows 11 Environment

- Troubleshooting Windows
- Troubleshooting Tools

Module 12: Troubleshooting the Windows OS

- Troubleshooting Windows Startup
- Troubleshooting Operating System Service Issues
- Troubleshooting Sign-In Issues

Module 13: Troubleshooting Files & Applications

- File Recovery in Windows 11
- Application Troubleshooting

Module 14: Troubleshooting Hardware and Drivers

- Troubleshooting Device Driver Failures
- Overview of Hardware Troubleshooting
- Troubleshooting Physical Failures

Contact us
OKsystem a.s., Na Pankráci 1690/125, 140 00 Prague 4
(+420) 236 072 111 skoleni@oksystem.cz www.okskoleni.cz

OKškolení
by OKsystem