ARROW

Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Vous pouvez nous joindre ici

.

Email: training.ecs.fr@arrow.com
Phone: 01 49 97 50 00

Microsoft Installing and Configuring Windows 10

CODE:	DURÉE:	PRIX H.T.:
MCS_20698	40 Hours (5 Jours)	€2,790.00

Description

This five-day instructor-led course provides IT professionals with the knowledge and skills required to install and configure Windows 10 desktops in a Windows Server small to medium-sized AD DS domain environment. These skills include learning how to install and customize Windows 10 operating systems and apps, configure local and remote network connectivity, and configure local and online storage. Students also will learn how to configure security in addition to how to maintain, update, and recover Windows 10.

Objectifs

	Plan, install, and upgrade to Windows 10.
	Perform post-installation configuration.
	Implement networking.
	Implement network security.
	Manage Windows 10 with Group Policy.
	Implement remote management.
	Manage local storage.
	Manage files and resources.
	Install and manage apps.
	Secure Windows 10.
	Implement remote connectivity.
	Maintain and update Windows 10.
After completing this course, students will be able to:	Recover and troubleshoot Windows 10.

Audience

This course is intended for IT professionals who administer and support Windows 10 desktops and devices in small to medium-sized networks.
The networks with which these professionals typically work are configured as AD DS domain-based environments with managed access to the Internet and cloud services.
Students who seek certification in exam 70-698: Installing and Configuring Windows 10 also will benefit from this course. In addition, this course is intended to provide skills for Enterprise Desktop/Device Support Technicians (EDSTs) who work in small to medium-sized organizations, and who provide Tier 1 or Tier 2 support to users running Windows 10 desktops and devices within a Windows domain environment.

Prérequis

Before attending this course, students must have:

    Experience deploying and configuring Windows 8, Windows 8.1, or Windows 10.
    Experience deploying and configuring Windows Server 2012 or Windows Server 2016 Active Directory Domain Services (AD DS).
    Experience deploying and configuring network services, including DNS, in Windows Server 2012 or Windows Server 2016.
    Windows Client essentials, such as a working knowledge of Windows 8.1, Windows 8, or Windows 7.

Programme

Module 1: Installing Windows 10

This module describes the features of Windows 10 and the process for installing and deploying it. The module also describes how to upgrade to Windows 10, perform post-installation maintenance tasks, and manage volume activation.

Overview of Windows 10
Planning your Windows 10 deployment
Installing and deploying Windows 10
Upgrading to Windows 10
Windows 10 installation maintenance
Lessons   Managing volume activation   Lab : Upgrading to Windows 10
Migrating user settings
Upgrading from Windows 8.1 to Windows 10 (optional) Lab : Maintaining a Windows 10 installation with Windows ICD
Create and configure a Windows Imaging and Configuration Designer (Windows ICD) provisioning package

Describe the features and editions of Windows 10.
Plan to deploy Windows 10.
Install and deploy Windows 10.
Upgrade to Windows 10.
Maintain Windows 10 installations.
After completing this module, students will be able to: Manage Windows 10 activation.

Module 2: Performing post-installation configuration

This module provides an overview of the management tools in Windows 10. It describes how to customize the user interface, manage devices, drivers, and services, and configure several other features. The module also provides an overview of Client Hyper-V.

Overview of management tools
Customizing the user interface
Managing devices, device drivers, and services
Configuring features, mobility, and power options   Install a device driver
Lessons   Overview of Client Hyper-V   Lab : Managing devices   Resolving the device driver problem
Turning on Windows features with Control Panel
Managing installed Windows features
Lab : Configuring features and power options   Configuring power options

Describe the different tools that you can use to configure Windows 10.
Explain how to navigate and customize the user interface.
Manage device drivers.
Configure Windows features, mobility options, and power settings.
After completing this module, students will be able to: Describe Client Hyper-V.

Module 3: Implementing networking

This module describes the homegroups, workgroups, and domains feature in Windows 10. It also describes how to configure IPv4 and IPv6 network connectivity, and how to implement name resolution. Additionally, the module describes how to troubleshoot network connectivity and implement wireless network connectivity.

Homegroups, workgroups, and domains
Configuring IPv4 network connectivity
Configuring IPv6 network connectivity
Implementing name resolution
Troubleshooting network connectivity
Lessons   Implementing wireless network connectivity Lab : Implementing network connections
Verifying and testing network connectivity
Configuring automatic IPv4 addressing   Resolving a network problem (1)
Configuring and testing name resolution   Lab : Troubleshooting network connections   Resolving a network problem (2)

Describe homegroups, workgroups, and domains.
Describe how to configure IPv4 network connectivity.
Describe how to configure IPv6 network connectivity.
Implement name resolution.
Troubleshoot network connections.
After completing this module, students will be able to: Implement wireless network connectivity.

Module 4: Implementing network security

This module describes how to implement network security by using the Windows 10 features such as Windows Firewall, connection security rules, and Windows Defender.

Creating and testing inbound rules
Implementing Windows Firewall   Creating and testing outbound rules
Connection security rules   Creating and testing connection security rules
Lessons   Implementing Windows Defender Lab : Implementing network security   Configuring Windows Defender

Describe Windows Firewall.
Understand rules regarding connection security.
After completing this module, students will be able to: Manage Windows Defender

Module 5: Managing Windows 10 with Group Policy

This module describes how to implement the Group Policy feature in Windows 10. The module also explains how you can configure Windows 10 devices by using Group Policy Objects (GPOs).

Overview of Group Policy

Lessons   Configuring Windows 10 devices with GPOs Lab : Describe Windows Firewall.

Managing Windows 10 by using Group Policy After completing this module, students will be able to:

Describe Group Policy processing and management.

Configure common settings for users and desktops by using Group Policy. **Module 6: Implementing remote management**

This module describes how to implement remote management by using Windows 10 features such as Remote Desktop, Remote Assistance, and remoting with Windows PowerShell.Lessons

Using Remote Desktop   Using Remote Desktop
Using Remote Assistance   Using Remote Assistance
Remoting with Windows PowerShell Lab : Implementing remote management   Remoting with Windows PowerShell

Use Remote Desktop to manage remote computers.
Use Windows Remote Assistance to manage remote computers.
After completing this module, students will be able to: Use Windows PowerShell remoting to manage remote computers.

Module 7: Managing storage

This module describes how to manage storage in Windows 10 devices by using the available storage options. It also explains how to manage and maintain disks, partitions, and volumes. The modules then describes how you can use the Storage Spaces feature, Microsoft OneDrive, and virtual hard disks to manage storage. Lessons

Overview of storage options
Managing disks, partitions, and volumes
Maintaining disks and volumes
Implementing Storage Spaces   Adding a disk
Implementing and managing OneDrive   Creating a simple volume
Working with virtual hard disks   Lab : Managing storage   Creating a storage space

Explain the different storage options in Windows 10.
Manage disks, partitions, and volumes.
Maintain disks, partitions, and volumes.
Manage Storage Spaces.
Explain how to implement Microsoft OneDrive.
After completing this module, students will be able to: Explain how to implement virtual hard disks.

Module 8: Managing files and resources

This module describes how to manage files and resources in Windows 10. The module starts by providing an overview of file systems and how file access works. The module then describes shared folders and Work Folders features. Finally, it describes how to manage printers.

Overview of file systems
Configuring and managing file access
Managing shared folders
Implementing Work Folders
Lessons   Managing printers   Lab : Creating, securing, and sharing a folder
Creating, securing, and sharing a folder Lab : Implementing Work Folders   Configuring Work Folders Lab : Managing printers
Installing and sharing a printer After completing this module, students will be able to:

Describe the file systems that Windows 10 supports.
Configure and manage file permissions.
Create and manage share folders.
Create and use Work Folders.
Configure and manage printers   **Module 9: Deploying and managing apps**

This module describes the various methods available to deploy and manage apps in Windows 10. The module provides an overview of the Windows Store and Windows Store for Business, and describes other options such as desktop apps and web browsers.

Overview of apps in Windows 10
The Windows Store and Windows Store for Business
Automating app deployment
Lessons   Configure web browsers   Lab : Deploying and managing Windows Store apps
Creating a provisioning package
Deploying the package
Sideloading an app Lab : Deploying apps with Windows ICD   Verifying deployment
Lab : Configuring Microsoft Edge   Configuring and using Microsoft Edge After completing this module, students will be able to:

Describe the available app types in Windows 10.
Describe the Windows Store and Windows Store for Business.
Deploy and manage Windows Store apps.
Automate app deployment.
Configure Windows 10 web browsers.

Module 10: Securing Windows 10

This module describes how to implement security in Windows 10 devices. It also describes how to manage user accounts and their permissions by using the User Account Control (UAC) feature. Additionally, the module explains how to implement and manage BitLocker Drive Encryption.

Managing user accounts
Configuring UAC

Managing user accounts

Lessons   Implementing and Managing BitLocker Lab : Configuring user accounts   Configuring UAC
Lab : Managing data security   Using BitLocker After completing this module, students will be able to:

Manage user accounts.
Configure User Account Control (UAC).
Implement and manage BitLocker drive encryption

Module 11: Implementing remote connectivity

This module describes how to implement remote connectivity by using the available options, including virtual private networks (VPNs) and DirectAccess.

Overview of remote connectivity options
Implementing VPNs

Deploying a virtual private network (VPN) server

Lessons   Implementing DirectAccess   Lab : Implementing a VPN   Creating a VPN connection

Describe remote connectivity options in Windows 10.
Implement virtual private networks (VPNs) in Windows 10.

After completing this module, students will be able to: Describe how to implement DirectAccess.

Module 12: Maintaining Windows 10

This module describes how maintain a Windows 10 environment by updating and monitoring the Windows 10 operating system. The module describes the Windows Update settings and how to use the Windows Server Update Services (WSUS), Microsoft System Center Configuration Manager, and Microsoft Intune to regularly update Windows 10. The module then explains how to monitor Windows 10 by using tools such as the Notifications & actions settings, Event Viewer, and Windows Performance Monitor

Configuring updates for a single device

Updating Windows 10

Configuring updates with GPOs

.Lessons   Monitoring Windows 10 Lab : Maintaining Windows   Monitoring reliability and performance

Explain how to keep Windows 10 up to date.

After completing this module, students will be able to: Monitor Windows 10.

Module 13: Recovering Windows 10

This module describes the recovery options for Windows 10. It also explains how to recover lost files, manage devices and device drives, and perform system recovery.

Recovering files

Lessons   Performing system recovery Lab : Troubleshooting and recovery

Using File History to recover files
Using Previous Versions to recover files
Recovering a device with a restore point
Using the advanced startup options to recover a device After completing this module, students will be able to:

Configure file recovery and revert to previous versions of files.
Describe and use system recovery features in Windows 10.

Dates de session

Sur demande. Merci de nous contacter

Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.