

# MWIN-2 - MOC 20687 - CONFIGURING WINDOWS 8.1

Categoria: **Windows 10 e 8**

## INFORMAZIONI SUL CORSO



**Durata:**  
5 Giorni



**Categoria:**  
Windows 10 e 8



**Qualifica Istruttore:**  
Microsoft Certified  
Trainer



**Dedicato a:**  
Professionista IT



**Produttore:**  
Microsoft

## OBIETTIVI

- Descrivere le soluzioni e le caratteristiche relative alla gestione di Windows 8.1 in un ambiente di rete aziendale.
- Determinare i requisiti ed eseguire le operazioni per l'installazione e la distribuzione di Windows 8.1.
- Gestire i profili e lo stato d'uso tra i dispositivi Windows.
- Determinare gli strumenti di gestione più appropriati per configurare le impostazioni di Windows 8.1.
- Configurare dischi, partizioni, volumi e driver di periferica in un sistema Windows 8.1.
- Configurare la connettività di rete.
- Configurare la connettività come risorsa sia per i PC e i dispositivi uniti al dominio che per quelli non uniti al dominio.
- Implementare le tecnologie di Windows 8.1 per garantire le connessioni di rete.
- Configurare file, cartelle e accesso alla stampante.
- Implementare strumenti e tecnologie che possono aiutare la sicurezza di PC e dispositivi Windows 8.1.
- Configurare e controllare applicazioni desktop, applicazioni Windows Store e applicazioni virtuali.
- Ottimizzare e mantenere PC e dispositivi Windows 8.1.
- Configurare le impostazioni dei computer mobili per consentire l'accesso remoto.
- Determinare come recuperare Windows 8.1 da vari fallimenti.
- Descrivere e configurare client Hyper-V.

## PREREQUISITI

Per partecipare al corso, gli studenti devono avere:

Almeno due anni di esperienza nel settore IT  
Conoscenza dei fondamenti di networking, tra cui Transmission Control Protocol / Internet Protocol (TCP / IP), User Datagram Protocol (UDP) e Domain Name System (DNS)  
Conoscenza dei Servizi (AD DS) e dei principi e fondamenti della gestione di dominio Active Directory di Microsoft Active Directory Domain  
Comprensione di cosa sia un certificato di sicurezza e conoscenza dei fondamenti dei Servizi certificati Active Directory (AD CS)  
Comprensione dei fondamenti di Windows Server 2008 R2 o Windows Server 2012  
Comprensione di elementi essenziali dei client Microsoft Windows; per esempio, conoscenza di Windows XP, Windows Vista, Windows 7 e / o Windows 8  
Conoscenza di base della sintassi di Windows PowerShell  
Conoscenza di base degli strumenti di distribuzione di Windows (componenti di Windows ADK: Windows PE, Windows SIM, VAMT, ImageX, USMT e concetti DISM e fondamentali), ma senza competenze effettive con gli strumenti specifici

## CONTENUTI

**Module 1: Windows 8.1 in an Enterprise Environment**  
Managing Windows 8.1 in an Enterprise Environment

## Overview of Windows 8.1

### **Module 2: Installing and Deploying Windows 8.1**

Preparing to Install and Deploy Windows 8.1

Installing Windows 8.1

Customizing and Preparing a Windows 8.1 Image for Deployment

Volume Activation for Windows 8.1

#### **Lab : Installing Windows 8.1**

Planning to install Windows 8.1

Performing a Clean Installation of Windows 8.1

#### **Lab : Customizing and Capturing a Windows 8.1 Image**

Creating an Answer File and Performing an Unattended Windows 8.1 Installation

Viewing Install.wim Information and Capturing a Windows 8.1 Image

#### **Lab : Deploying a Windows 8.1 Image**

Performing Offline Servicing and Deploying a Windows 8.1 Image

### **Module 3: Tools Used for Configuring and Managing Windows 8.1**

Tools Used to Perform Local and Remote Management of Windows 8.1

Using Windows PowerShell to Configure and Manage Windows 8.1

Using Group Policy to Manage Windows 8.1

#### **Lab : Using Management Tools to Configure Windows 8.1 Settings**

Planning Management of Windows 8.1 Computers

Managing Windows 8.1 by Using Group Policy

Implementing Windows PowerShell Remoting

### **Module 4: Managing Profiles and User State in Windows 8.1**

Managing User Profiles

Configuring User State Virtualization

Migrating User State and Settings

#### **Lab : Configuring Profiles and User State Virtualization**

Configuring Roaming User Profiles and Folder Redirection

Implementing and Configuring UE-V

#### **Lab : Migrating User State by Using USMT**

Creating and Customizing USMT XML Files

Capturing and Restoring User State to a Target Computer

### **Module 5: Managing Disks and Device Drivers**

Managing Disks, Partitions, and Volumes

Maintaining Disks, Partitions, and Volumes

Working with Virtual Hard Disks

Installing and Configuring Device Drivers

#### **Lab : Managing Disks**

Creating Volumes

Configuring Disk Quotas

Managing Virtual Hard Disks

**Lab : Configuring Device Drivers**

Installing Device Drivers

Managing Device Drivers

**Module 6: Configuring Network Connectivity**

Configuring IPv4 Network Connectivity

Configuring IPv6 Network Connectivity

Implementing Automatic IP Address Allocation

Implementing Name Resolution

Implementing Wireless Network Connectivity

**Lab : Configuring a Network Connection**

Enabling Automatic IPv4 Configuration

Configuring IPv4 Manually

**Lab : Resolving Network Connectivity Issues**

Creating a Simulated Network Connectivity Problem

Resolving a Network Connectivity Problem

**Module 7: Configuring File Access and Printers on Windows 8.1 Clients**

Managing File Access

Managing Shared Folders

Configuring File Compression

Configuring File Access

Managing Printers

**Lab : Configuring File Access**

Creating a Shared Folder for the Marketing Group

Configuring File and Folder Compression

**Lab : Configuring Printers**

Creating and Sharing a Local Printer

**Module 8: Implementing Network Security**

Overview of Threats to Network Security

Configuring Windows Firewall

Securing Network Traffic by Using IPsec

Guarding Windows 8.1 Against Malware

**Lab : Configuring Inbound and Outbound Firewall Rules**

Creating an Inbound Windows Firewall Rule

Creating an Outbound Firewall Rule

**Lab : Configuring IPsec Rules**

Creating and Configuring IPsec Rules

**Lab : Configuring Malware Protection**

Configuring Windows Defender

**Module 9: Configuring Resource Access for Domain-Joined Devices and Devices That Are Not Domain Members**

Configuring Domain Access for Windows 8.1 Devices

Configuring Resource Access for Devices That Are Not Domain Members

Configuring Workplace Join

Configuring Work Folders

**Lab : Configuring Resource Access for Devices That Are Not Domain Members**

Implementing Workplace Join

Configuring Work Folders

**Module 10: Securing Windows 8.1 Devices**

Authentication and Authorization in Windows 8.1

Applying Security Settings by Using Group Policy

Securing Data with EFS and BitLocker

Configuring and Testing UAC

**Lab : Implementing Local GPOs**

Restricting the Use of Registry Editing Tools

**Lab : Securing Data by Using BitLocker**

Protecting Files with BitLocker

**Lab : Configuring and Testing UAC**

Modifying UAC Prompts

**Module 11: Configuring Applications for Windows 8.1**

Application Deployment Options in Windows 8.1

Managing Windows Store Apps

Configuring Internet Explorer Settings

Configuring Application Restrictions

**Lab : Configuring Internet Explorer Security**

Configuring Internet Explorer

**Lab : Configuring AppLocker**

Configuring AppLocker Rules

Testing the AppLocker Rules

**Module 12: Optimizing and Maintaining Windows 8.1 Computers**

Optimizing Performance in Windows 8.1

Managing the Reliability of Windows 8.1

Managing Software Updates in Windows 8.1

**Lab : Optimizing Windows 8.1 Performance**

Creating a Performance Baseline

Introducing Additional Workload

Measuring System Responsiveness Under Load

**Lab : Maintaining Windows Updates**

Configuring Windows Update

**Module 13: Configuring Mobile Computing and Remote Access**

Configuring Mobile Computers and Device Settings

Overview of DirectAccess

Configuring VPN Access

Configuring Remote Desktop and Remote Assistance

**Lab : Configuring a Power Plan**

Creating and Configuring a New Power Plan

**Lab : Implementing DirectAccess by Using the Getting Started Wizard**

Configuring DirectAccess

Validating the DirectAccess Deployment

**Lab : Implementing Remote Desktop**

Configuring a Remote Desktop Connection

**Module 14: Recovering Windows 8.1**

Backing Up and Restoring Files in Windows 8.1

Recovery Options in Windows 8.1

**Lab : Recovering Windows 8.1**

Configuring and Using File History

Exploring Windows 8.1 Recovery Options

Introducing a Simulated Problem

Resolving a Problem

**Module 15: Configuring Client Hyper-V**

Overview of Client Hyper-V

Creating Virtual Machines

Managing Virtual Hard Disks

Managing Checkpoints

**Lab : Configuring Client Hyper-V**

Installing Client Hyper-V

Creating a Virtual Switch, a Virtual Hard Disk, and a Virtual Machine

## INFO

**Manuale:** Materiale didattico ufficiale Microsoft in formato digitale

**Prezzo manuale:** 250 € incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)