Course Code: IT19A05

Course Title:

Microsoft 365 Endpoint Administrator (SF)

Course Duration

5 day / 40 hours (Including 4 hours Assessment)

Who Should Attend?

The Microsoft 365 Endpoint Administrator is responsible for deploying, configuring, securing, managing, and monitoring devices and client applications in a corporate setting. Their duties include managing identity, access, policies, updates, and apps. They work alongside the M365 Enterprise Administrator to develop and execute a device strategy that aligns with the requirements of a modern organization. Microsoft 365 Endpoint Administrators should be well-versed in M365 workloads and possess extensive skills and experience in deploying, configuring, and maintaining Windows 11 and later, as well as non-Windows devices. Their role emphasizes cloud services over on-premises management technologies.

Course Overview

In this NICF Microsoft 365 Endpoint Administrator (SF) course, students will learn to plan and execute an endpoint deployment strategy using contemporary deployment techniques and implementing update strategies. The course introduces essential elements of modern management, co-management approaches, and Microsoft Intune integration. It covers app deployment, management of browser-based applications, and key security concepts such as authentication, identities, access, and compliance policies. Technologies like Azure Active Directory, Azure Information Protection, and Microsoft Defender for Endpoint are explored to protect devices and data.

Course Objectives

By the end of the course, you should be able to meet the following objectives:

- Plan and execute an effective deployment of Windows
- Keep and ensure devices are current with the latest OS and application updates
- Deploy and manage configurations and apps to organizational and user-owned devices
- Deploy and manage policies to ensure device compliance

Pre-requisites

There are no formal prerequisites for this course, but you should make sure to have a good understanding of the following:

- Be familiar with Microsoft 365 workloads and must have strong skills and experience of deploying, configuring, and maintaining Windows 10 and later and non-Windows devices.
- Experience with installing, updating and maintaining Windows 10/11 desktops.

- Authorization and authentication.
- Computer networks and cloud-based concepts.
- Understanding of OS images and group policy objects.
- Understanding of managing mobile devices.

Course Outline

Learning Path 1: Explore modern management
Module 1: Examine the enterprise desktop
Module 2: Explore Windows Editions
Module 3: Understand Azure Active Directory
Module 4: Manage Azure Active Directory identities

Learning Path 2: Execute device Enrollment
Module 1: Manage device authentication
Module 2: Enroll devices using Microsoft Configuration Manager
Module 3: Enroll devices using Microsoft Intune

Learning Path 3: Configure profiles for user and devices
Module 1: Execute device profiles
Module 2: Oversee device profiles
Module 3: Maintain user profiles

Learning Path 4: Examine application management
Module 1: Execute mobile application management
Module 2: Deploy and update applications
Module 3: Administer endpoint applications

Learning Path 5: Manage authentication and compliance
Module 1: Protect identities in Azure AD
Module 2: Enable organizational access
Module 3: Implement device compliance
Module 4: Generate inventory and compliance reports

Learning Path 6: Manage endpoint security
Module 1: Deploy device data protection
Module 2: Manage Microsoft Defender for Endpoint
Module 3: Manage Microsoft Defender in Windows client
Module 4: Manage Microsoft Defender for Cloud Apps

Learning Path 7: Deploy using on-premises based tools
Module 1: Assess deployment readiness
Module 2: Deploy using the Microsoft Deployment Toolkit
Module 3: Deploy using Microsoft Configuration Manager

Learning Path 8: Deploy using cloud-based tools
Module 1: Deploy Devices using Windows Autopilot
Module 2: Implement dynamic deployment methods
Module 3: Plan a transition to modern endpoint management
Module 4: Manage Windows 365
Module 5: Manage Azure virtual desktop