



Windows Server 2022 Identity

Duration : 5 days

Course Overview

This five-day instructor-led course teaches IT Pros how to deploy and configure Active Directory Domain Services (AD DS) in a distributed environment, how to implement Group Policy, how to perform backup and restore, and how to monitor and troubleshoot Active Directory-related issues with Windows Server 2022. Additionally, this course teaches how to deploy other Active Directory server roles such as Active Directory Federation Services (AD FS) and Active Directory Certificate Services (AD CS).

Please note, this course is also applicable for learners using Windows Server 2016 and Windows Server 2019

Prerequisites

- Some exposure to and experience with AD DS concepts and technologies in Windows Server 2016, 2019 or 2022
- Experience working with and configuring Windows Server 2016, 2019 or 2022
- Experience and an understanding of core networking technologies such as IP addressing, name resolution, and Dynamic Host Configuration Protocol (DHCP).
- Experience working with and an understanding of Microsoft Hyper-V and basic server virtualization concepts.
- An awareness of basic security best practices.
- Hands-on working experience with Windows client operating systems such as Windows 7, Windows 8, Windows 8.1, or Windows 10.
- Basic experience with the Windows PowerShell command-line interface.

Target Audience

This course is primarily intended for existing IT professionals who have some AD DS knowledge and experience and who aim to develop knowledge about identity and access technologies in Windows Server 2022. This would typically include:

AD DS administrators who are looking to train in identity and access technologies with Windows Server 2022, 2019 or 2016 or System or infrastructure administrators with general AD DS experience and knowledge who are looking to cross-train in core and advanced identity and access technologies in Windows

Course Content

Module 1 Understanding ADDS and installing domain controllers

This module comprehensively covers all components of AD DS, different methods for installation and considerations for deploying DCs.

Module 2 Managing ADDS Objects

This module addresses all the different objects an administrator is likely to create and manage, covers the tools that will be used either GUI based, command line and advanced tools. The module concentrates on user objects, group objects and computer objects together with why those objects are necessary.

Module 3 Multiple Domain Management

This module covers the scenarios for and issues relating to multiple domains, and multiple forests together with creation and management of the trust relationships both within and between forests.



Module 4 Understanding ADDS replication and sites

To address situations where an organisation has multiple locations, this module covers how replication works in AD DS by default and what can be done to control it together with tools that can be used for monitoring AD DS replication.

Module 5 Group Policy

This module describes in detail the components of group policy, how group policy works and how to implement a group policy structure. It also describes how to configure settings, preferences and use additional administrative templates.

Module 6 Active Directory Domain Services Security

In this module, you will learn what options exist to secure domain controllers and the accounts that are authenticated. This includes account security, password security, Group Managed Service Accounts. It also explains the concept of the Read Only Domain Controller as a secure DC installation for a branch office.

Module 7 Active Directory Certificate Services

This module describes how to deploy an AD CS solution, the options available for configuration and how to administer and troubleshoot a Certificate Server.

Module 8 Active Directory Federation Services (ADFS)

This module describes the concept of Federation and how it works to achieve a single sign on solution in both a single organisation scenario and where there is an application to be accessed in a partner organisation.

Module 9 Understanding and configuring a Hybrid Active Directory with Azure AD

Planning and configuring directory synchronisation for a hybrid active directory is addressed in this module. It describes configuration of Azure AD Connect and the possible authentication options for organisations when they have an on premises AD DS and an Azure AD.

Module 10 Managing, monitoring and recovery in ADDS

This final module describes how to monitor, manage and maintain AD DS to ensure a highly available solution, or a solution that can be recovered if necessary. It addresses the tools that can be used, explains AD Snapshots, database management and the recycle bin