Automate Active Directory administration with PowerShell

Duration: 3 Days

1. Getting started with Windows PowerShell

Windows PowerShell overview

Understand Windows PowerShell command syntax Find commands and get help in Windows PowerShell

2. Introduction Why automate Active Directory administration with PowerShell?

Setting up your environment

3. Getting started with Active Directory PowerShell

Installing the Active Directory PowerShell module Connecting to Active Directory

4. Automating Active Directory user management

Managing users with PowerShell Creating, updating, and deleting users Modifying user properties

5. Automating Active Directory group management

Managing groups with PowerShell Creating, updating, and deleting groups Modifying group properties

6. Automating Active Directory computer management

Managing computers with PowerShell Joining computers to the domain Modifying computer properties

7. Automating Active Directory permissions management

Managing permissions with PowerShell

Assigning and removing permissions Modifying permission properties

8. Automating Active Directory replication and site management

Managing replication and sites with PowerShell Modifying replication and site properties Troubleshooting replication issues

9. Working with the Windows PowerShell pipeline

Understand the pipeline

Select, sort, and measure objects Filter objects out of the pipeline Send and pass pipeline data as output

10. Windows PowerShell scripting

Introduction to scripting with Windows PowerShell Script constructs

Variables, Arrays, Hash Table Import data from files

Accept user input Troubleshooting and error handling Signing a script