

Course : Automate Active Directory administration with PowerShell

Duration : 3 Days

Base course : AZ-040 automating administration with windows PowerShell

Course type : Koenig Crafted

1. Introduction

Why automate Active Directory administration with PowerShell?

Setting up your environment

2. Getting started with Active Directory PowerShell

Installing the Active Directory PowerShell module

Connecting to Active Directory

3. Automating Active Directory user management

Managing users with PowerShell

Creating, updating, and deleting users

Modifying user properties

4. Automating Active Directory group management

Managing groups with PowerShell

Creating, updating, and deleting groups

Modifying group properties

5. Automating Active Directory computer management

Managing computers with PowerShell

Joining computers to the domain

Modifying computer properties

6. Automating Active Directory permissions management

Managing permissions with PowerShell

Assigning and removing permissions

Modifying permission properties

7. Automating Active Directory replication and site management

Managing replication and sites with PowerShell

Modifying replication and site properties

Troubleshooting replication issues

8. Advanced Active Directory automation techniques

Using PowerShell with Active Directory Web Services

Automating Active Directory Domain Services with PowerShell

Using PowerShell with Azure Active Directory

9. Best practices for PowerShell and Active Directory automation

Writing effective PowerShell scripts

Managing credentials securely

Version control and testing

10. Conclusion

Recap of key concepts

Next steps for mastering Active Directory automation with PowerShell.