

Active Directory Management – Windows Server 2022

Configured AD DS with OU structure, users, groups, and Group Policy. Implemented delegation and authentication testing. Demonstrated skills in identity and access management, GPO deployment, and Windows Server administration.

Overview

This project demonstrates my ability to deploy and manage a Windows Server Active Directory environment. The tasks were completed as part of a practical lab using Windows Server 2022 and Active Directory Domain Services.

Objectives

Configure and manage Active Directory Domain Services (AD DS)

Implement organisational structure (OUs, groups, users)

Apply and test Group Policy

Manage identity, access, and permissions in a Windows domain

Key Tasks Completed

Active Directory Setup- Connected to domain controller and verified domain health

OU Structure - Created OUs

User Management - Created and managed user accounts

Group Management - Created security groups and applied membership

Group Policy - Applied password and desktop restriction policies

Delegation - Assigned delegated control for OU administration

Login Testing - Verified authentication and policy application from client

Skills

Windows Server 2022 administration

Active Directory Domain Services (AD DS)

Identity & Access Management (IAM)

Group Policy Objects (GPO) design and deployment

User and permissions lifecycle management

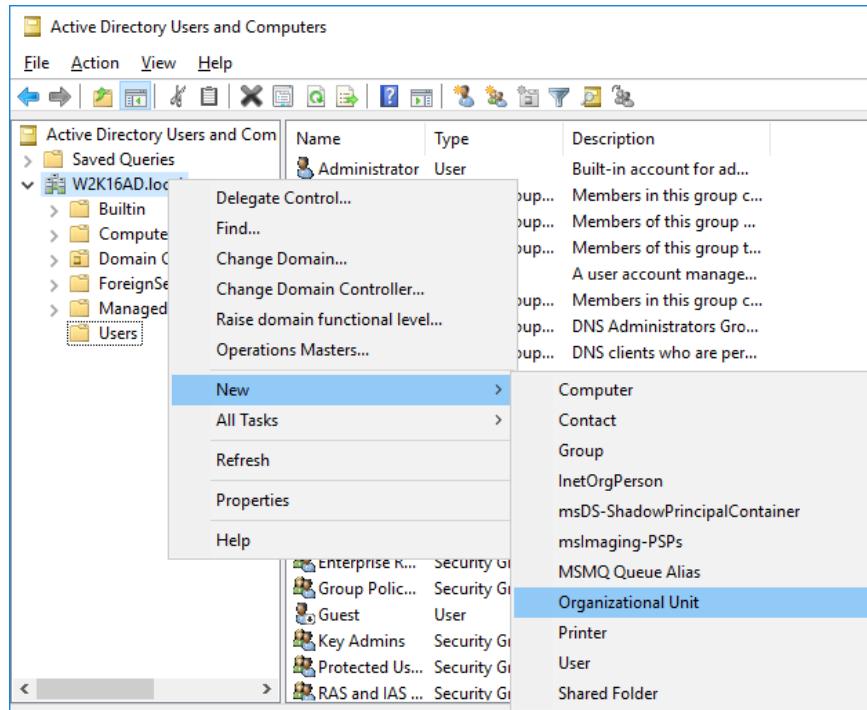
Basic organisational structure planning

Evidence / Screenshots

1. OU Structure

Active Directory Users and Computers		
	Name	Type
Active Directory Users and Computers		
> Saved Queries		
> W2K16AD.local		
> Builtin		
> Computers		
> Domain Controllers		
> ForeignSecurityPrincipal		
> Managed Service Account		
> Users		
	Name	Type
	Administrator	User
	Allowed RO...	Security Group...
	Cert Publish...	Security Group...
	Cloneable D...	Security Group...
	DefaultAcco...	User
	Denied ROD...	Security Group...
	DnsAdmins	Security Group...
	DnsUpdateP...	Security Group...
	Domain Ad...	Security Group...
	Domain Co...	Security Group...
	Domain Con...	Security Group...
	Domain Gue...	Security Group...
	Domain Users	Security Group...
	Enterprise A...	Security Group...
	Enterprise K...	Security Group...
	Enterprise R...	Security Group...
	Group Polic...	Security Group...
	Guest	User
	Key Admins	Security Group...
	Protected Us...	Security Group...
	RAS and IAS ...	Security Group...

2. User & Group Configuration



User Management - Create and managed user accounts

New Object - User

Create in: W2K16AD.local/5ICW

First name:	Efyl	Initials:	<input type="text"/>
Last name:	Evans		
Full name:	Efyl Evans		
User logon name:	eevans	@W2K16AD.local	<input type="button" value="▼"/>
User logon name (pre-Windows 2000):	W2K16AD\	eevans	<input type="button" value=""/>

< Back Cancel

Group Management - Created security groups and applied membership

New Object - Group

Create in: W2K16AD.local/5ICW

Group name: gg_Students

Group name (pre-Windows 2000): gg_Students

Group scope:

- Domain local
- Global
- Universal

Group type:

- Security
- Distribution

OK Cancel

Select Users, Contacts, Computers, Service Accounts, or Groups

Select this object type: Users, Service Accounts, Groups, or Other objects Object Types...

From this location: W2K16AD.local Locations...

Enter the object names to select (examples): Efyl Evans (elevans@W2K16AD.local) Check Names

Advanced... OK Cancel

gg_Students Properties

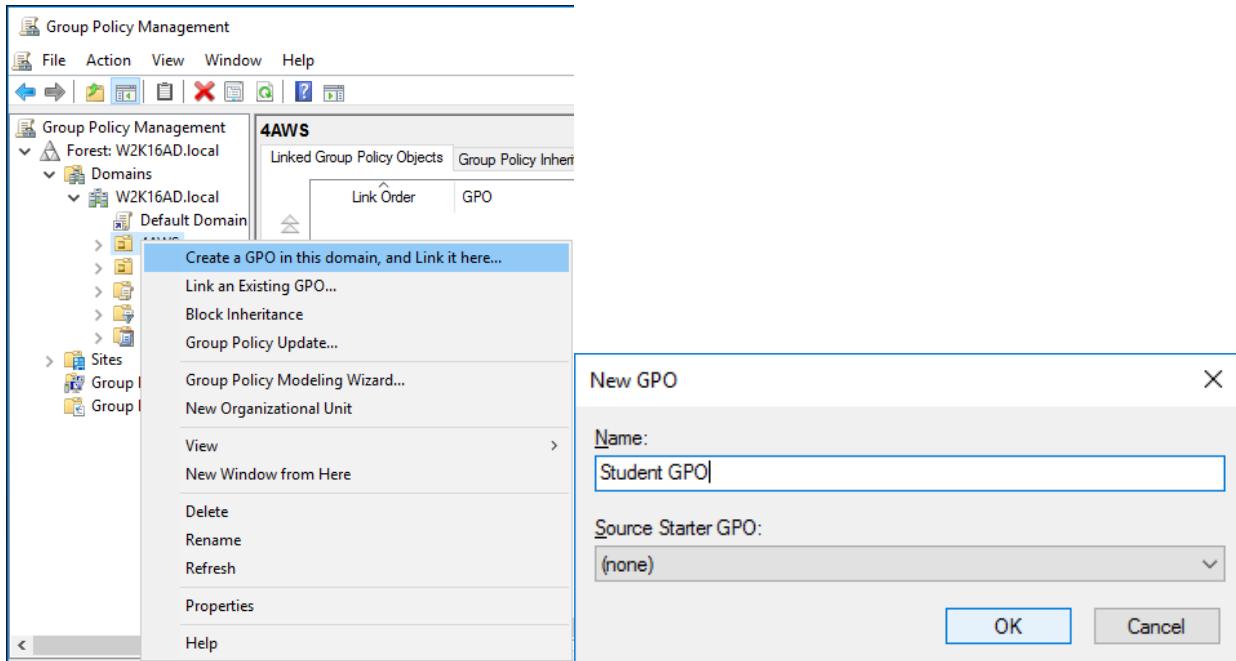
General Members Member Of Managed By

Members:

Name	Active Directory Domain Services Folder
Efyl Evans	W2K16AD.local/5ICW

Add... Remove OK Cancel Apply

3. Group Policy Management



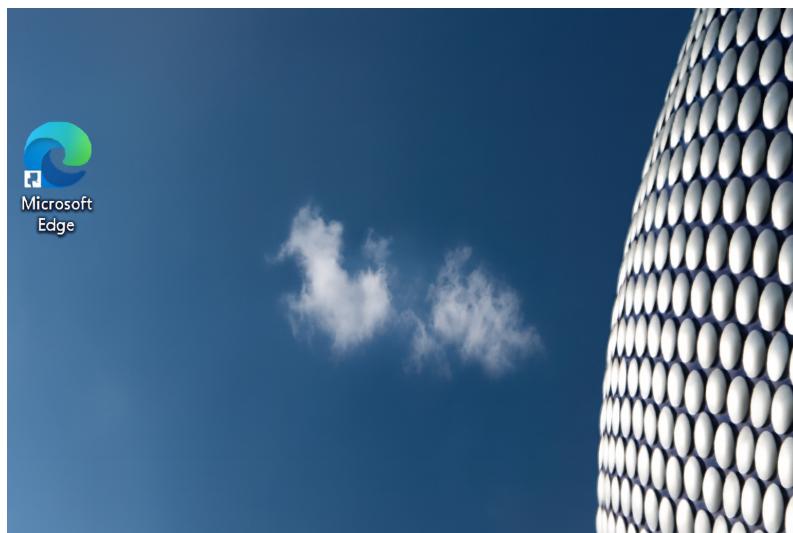
Edit GPO (Remove the recycle bin)

Steps: Right-click Student GPO → Edit

Navigate to: User Configuration → Policies → Administrative Templates → Desktop

Open Remove Recycle Bin icon from desktop Set to Enabled → Apply → OK

Client PC - Recycle Bin removed



Summary

Successfully deployed and managed Active Directory domain services including user identity, security groups, and group policy. The lab reflects real-world Windows Server administration tasks and demonstrates readiness for IT Support role.