

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)

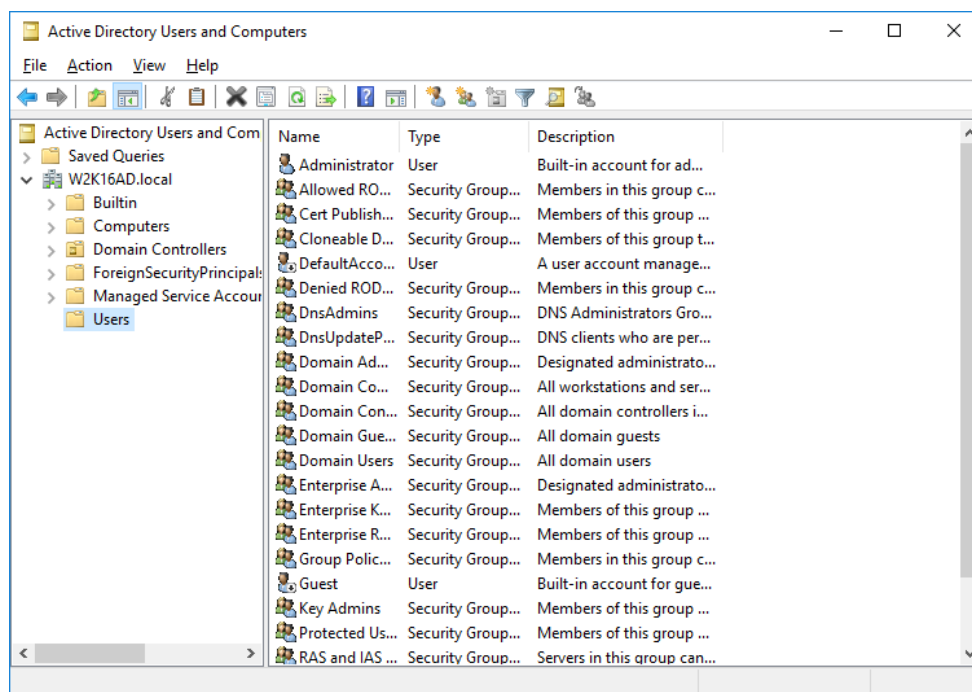
Group Policy Objects (GPO) design and deployment

User and permissions lifecycle management

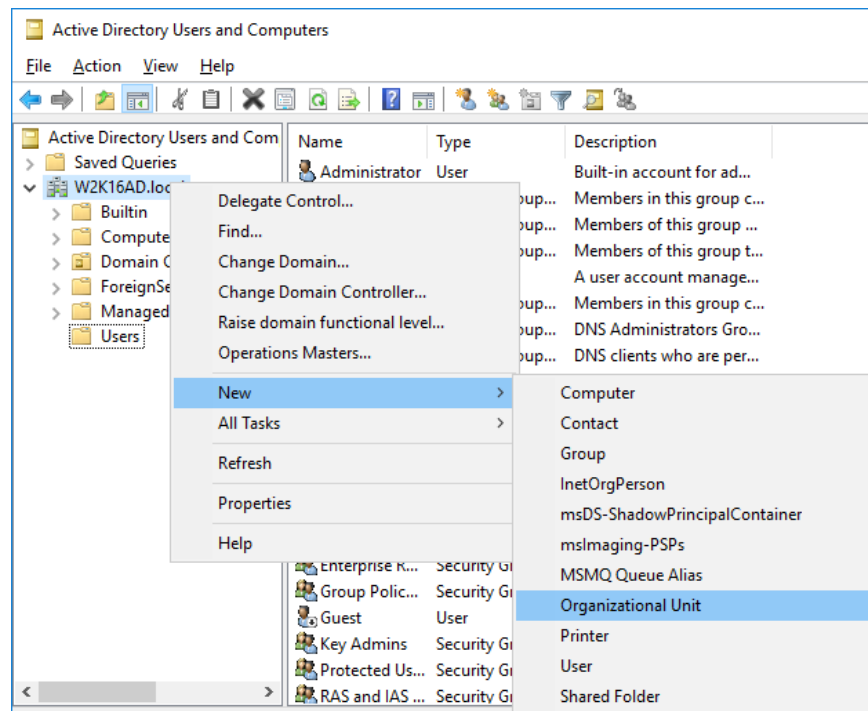
Basic organisational structure planning

Evidence / Screenshots

1. OU Structure



2. User & Group Configuration



User Management - Create and managed user accounts

New Object - User

Create in: W2K16AD.local/5ICW

First name: Erfyl Initials:

Last name: Evans

Full name: Erfyl Evans

User logon name: eevans @W2K16AD.local

User logon name (pre-Windows 2000): W2K16AD\ eevans

< Back Next > 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):
Erfyl Evans (eevans@W2K16AD.local)

Check Names

Advanced... OK Cancel

gg_Students Properties

General Members Member Of Managed By

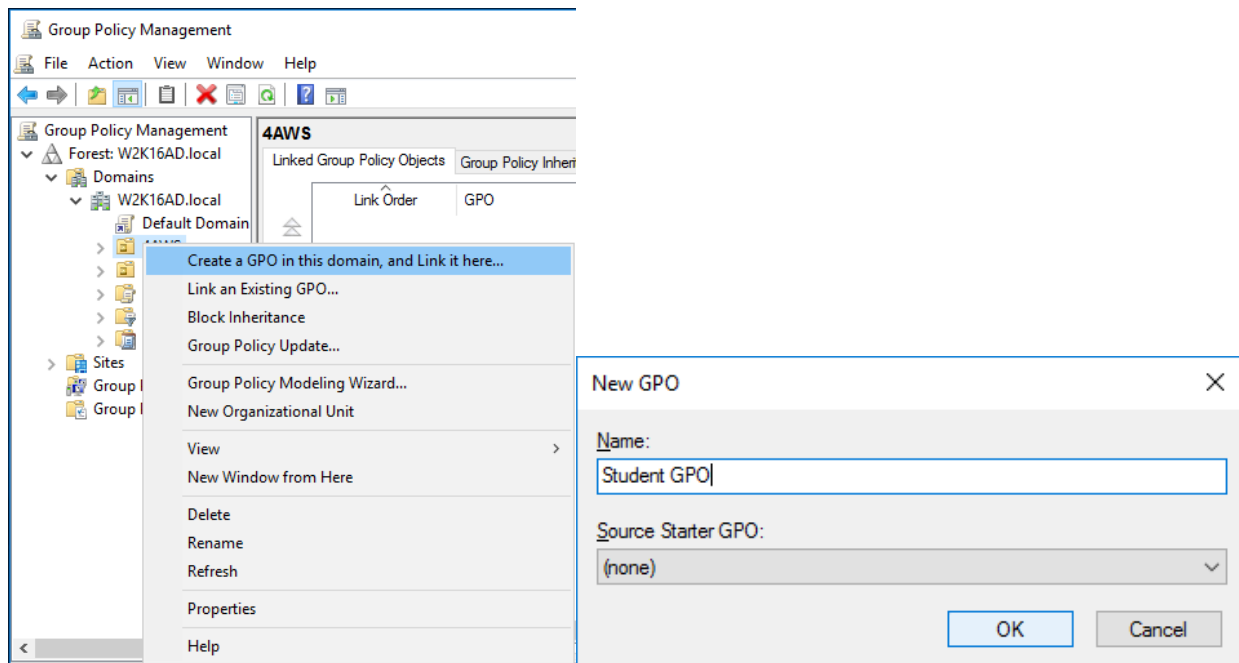
Members:

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

Add... Remove

OK Cancel Apply

3. Group Policy Management



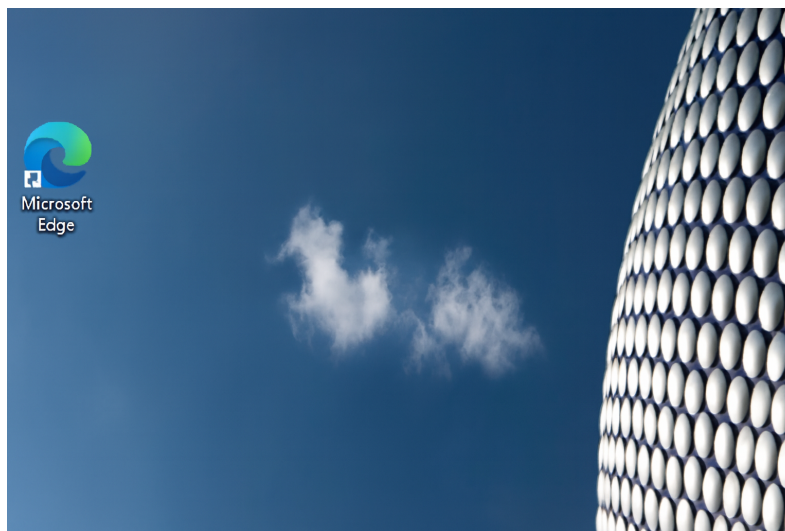
Edit GPO (Remove the recycle bin)

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.