Lab Assignment 2 (Part III) - GPO

Lab Objective

This lab focuses on the **implementation, management, and troubleshooting of Group Policy Objects (GPOs)** in a domain environment.

The tasks will cover domain-based GPOs, **GPO storage and replication, common GPO management operations, policy modeling, and delegation of GPO administration**

Lab Environment Requirements

- **DC1XX**: Domain Controller with Active Directory, DNS, and Group Policy Management installed.

- **DC2XX**: Domain Controller Replica.

- **ClientXX**: Windows 11 client machine joined the domain.

Tasks

Task 1: Understanding Domain-Based GPOs

On DC1XX:

- Open **Group Policy Management Console (GPMC)**.

- Identify existing domain-based GPOs and their **link locations**.

- Delete both **Default Domain Policy** and **Default Domain Controllers Policy**.

- Restore both policies using **PowerShell.**

- Using **GPMC**, turn off Local GPO processing.

On ClientXX:

- Open **Local Group Policy Editor (gpedit.msc)** using an Administrator account.

- Compare **Local GPO settings** with the restored **domain-based GPOs.**

Task 2: GPO Storage and Replication

Using GUI, on DC1XX:

- Navigate to **\\DC1XX\SYSVOL\vlabsXX.com\Policies** and list stored GPOs.

- Use **Active Directory Users and Computers** (Enable **Advanced Features**) to view the **Policies** container.

Using PowerShell, on DC2XX:

- Verify that **DFSR service** is running.

- Force manually the **DFS replication.**

- Check the replication status.

Task 3: Common GPO Management Tasks

On DC1XX using GUI:

- Backup all existing GPOs.

- Delete any GPO and attempt to restore it from the backup.

- Create new GPO **DC_Policy.**

- Import **Default Domian Controllers** GPO settings into **DC_Policy.**

- Verify **DC_Policy** new settings to confirm the importation.

- Copy any existing GPO to a new one in the same domain.

- Verify copied GPO settings.

On DC1XX using PowerShell:

- Perform the previous tasks using PowerShell.

Task 4: Group Policy Modeling and Results

On DC1XX:

- Open **Group Policy Management Console**.

- Use **Group Policy Modeling** to predict the effect of applied GPOs for a user in **HR** OU**.**

- Use **Group Policy Results** to test the GPOs results on **DC1XX.**

Task 5: Delegating GPO Management

On DC1XX:

- Delegate **Lina Gaillard** on **Finance** OU to be able to **Edit** and **Link** any GPO to the **Finance OU**.

- No need to test it.

Lab Assignment Deliverables

You should submit a **lab report** in **PDF** including **screenshots** covering your work.