

Lab 5 - Managing Group Accounts in Active Directory

Objective

This lab will help you practice managing **Active Directory groups** using **Active Directory Administrative Center (ADAC)** and **PowerShell**.

You will perform tasks related to **group creation, membership management, delegation, and permission assignments**.

Lab Requirements

- Domain Name: **vlabsXX.com**
 - **Servers:**
 - **DC1XX** (Windows Server 2022, Primary DC for vlabs.com)
 - **DC3XX** (Windows Server 2022, Child DC for lab25.vlabs.com)
 - **SRVXX** (Windows Server 2025, File Server for shared resources)
 - **Client Machine:** Windows 11 (**ClientXX**, domain-joined)
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Task 1: Create and Manage Security Groups

1. Create a **Global Security Group (GG_HR_Admins)** in the **HR OU** using **ADAC**.
 2. Create a **Global Security Group (GG_IT_Admins)** in the **IT OU** using **PowerShell**.
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Task 2: Add Members to Groups

1. Add **Emma Morel (e.morel)** and **Lucas Bernard (l.bernard)** to **GG_HR_Admins** using **PowerShell**.
 2. Add **Chloe Girard (c.girard)** and **Sophie Lambert (s.lambert)** to **GG_IT_Admins** using **PowerShell**.
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Task 3: Create Organizational Units (OUs) and Domain Local Groups

1. Create an **OU** named **Shared Resources** in **vlabsXX.com** domain using **ADAC**.
 2. Create a **Domain Local Group (DLG_HR_Share)** in **Shared Resources** using **ADAC**.
 3. Create a **Domain Local Group (DLG_IT_Share)** in **Shared Resources** using **PowerShell**.
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Task 4: Create a Local Group and Manage Membership

1. On **SRVXX**, create a **Local Group (LG_HR_Files)** using **GUI**.
 2. Add **DLG_HR_Share** group into **LG_HR_Files** group using **GUI**.
 3. Verify the membership of **LG_HR_Files** group using **PowerShell**.
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Task 5: Share and Set Permissions on SRVX

1. On **SRVXX**, create and share a folder **C:\HR_Share** using **GUI**.
 2. Assign **Change permissions (Read/Write)** to **LG_HR_Files** group, and remove the **Everyone** group using **GUI**.
 3. Verify the share and permissions using **PowerShell**.
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Task 6: Test HR Share Access from ClientX

1. Log in as **Lucas Bernard (l.bernard)** on **Windows 11 (ClientX)**.
 2. Access the shared folder **\\SRVXX\HR_Share\$** and verify permissions by creating and deleting files in this share.
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Task 7: Remove a User from a Group and Delete a User

1. Remove **Emma Morel (e.morel)** from **GG_HR_Admins** using **ADAC**.
2. Remove **Chloe Girard (c.girard)** from **GG_IT_Admins** using **PowerShell**.

Task 8: Create IT OU and Configure Groups on DC3X and DC1X

1. On **DC3XX**, create an **OU** named **IT** using **ADAC**.
2. Inside **IT OU**, create a user **Fadi Tora (f.tora)** using **ADAC**.
3. Inside **IT OU**, create a Global Group **GG_IT_Admins** and add **Fadi Tora** as a member using **ADAC**.
4. On **DC1XX**, create a Universal Group **UG_IT_Global**.
5. Add **GG_IT_Admins** from both **vlabsXX.com** and **labXX.vlabsXX.com** to **UG_IT_Global**.
6. Add **UG_IT_Global** to the Domain Local group **DLG_IT_Share** using **PowerShell**.

Task 9: Share and Set Permissions for IT Global Share

1. On **SRVXX**, create and share **C:\IT_Share_Global** using **GUI**.
2. Assign **Change permissions (Read/Write)** to **UG_IT_Global** group, and remove the **Everyone** group using **GUI**.
3. Verify the share and permissions using **PowerShell**.

Task 10: Test IT Share Access from ClientX

1. Log in as **Fadi Tora (f.tora)** on **Windows 11 (ClientX)**.
2. Check which groups **Fadi Tora** is a member of using **Command Prompt**.
3. Access the shared folder **\\SRVXX\IT_Share_Global\$** and verify permissions by creating and deleting files in this share.

Task 11: Change Group Scope

1. On **DC1XX**, convert **UG_IT_Global** from **Universal** to **Global** using **PowerShell**.
 2. Verify that the group scope has changed correctly using **GUI**.
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Lab Deliverables

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