Group Account Management

Group Account

- A Group Account is an object in AD DS which is used to help manage the permissions assigned to the users on your network.
- Instead of individually give or deny privileges to individual users, we assign them to groups and we manage the group.
  - ✓ It simplifies the management of permissions assigned to the users in the network.
  - ✓ Assume we have different users, they all work for the same department, and if it is true that they should have the same access to the same resources on a network, then group account management becomes important.

Group Account

- It enables us to give permissions to a group, and every user account which is a member of that group will inherit those permissions.

Types of Groups

- There are two types of groups:
  - ✓ Security groups
    - Used for the management of permissions
    - We will see this in this course
  - ✓ Distribution group
    - Used for activities like email distribution groups and the like
    - In exchange environment for e.g. we setup distribution groups, and email to the group other than typing all the individual users

Group Scopes

- On a domain based network, we have 3 types of group scopes
  - ✓ Domain local
  - ✓ Global
  - ✓ Universal
- Domain Local Groups:
  - ✓ Used for the direct assignment of access permissions on files, printer queues, and other such resources.

Group Scopes

- Global groups
  - ✓ Provide domain-centric membership, place all user accounts into Global groups.
  - ✓ Specific to one domain in the forest
- Universal groups
  - ✓ Used for the gathering of users and groups from multiple domains throughout the forest
  - ✓ Typically, organizations using WANs should use Universal groups only for relatively static groups in which memberships change rarely.

Group Scopes

- In reality, what we mostly deal with is the global group, and the rest are not practiced.

Creating Group Accounts

- To create a group, open Active Directory Users and Computers, on the containers list, right click on users, then new, then select Group.
- You get the New Object-Group wizard.
- You put the group name (e.g. Sales Users)
  - ✓ The group scope is global
  - ✓ Group type is security
    - Just the default
- Then click ok. The security group is created.

Make Users Member of a Group

- There are more than one ways to make users of a domain be member of a group.
- One way is, right click on the group name, select properties, the click on Members tab.
- There, type the Add button, there type the user name, and click on Check Names button.
- From the populated list, select the right one and click Ok.

Make Users Member of a Group

- The other way to make users be member of a group is go to the user in the Active Directory Users and Computers, right click on it > properties > click on the Member Of tab, then click on the Add button.
- Then type the group name, and click on Check Names, then click ok (with the correct group names populated)

Make Users Member of a Group

- To add multiple users be members of a group, go to Active Directory Users and Computers, click on Users container, then press the Control (Ctrl) key and click on the multiple user accounts.
- Then right click on the selected users, select Add to Group
- Then type the group name, and click on the check names button
- Then with the appropriate group populated, click Ok.

Remove Users from a Group Membership

- To remove users membership of a group, one way is to right click on the Group, Properties, then click on the Members tab
- Then click on the member tab, and click on Remove button, click Ok.
- This does not deletes the user account, but it only removes its membership from that group

Group Account

- Using the Active Directory users and Computers or the GUI, there is not much more to do with managing groups
- But we can use PowerShell to manage our groups using scripts, or at more enterprise level we use AD Administrative Center.