Managing AD DS Objects/ Administering AD DS

Eli Chang

MSSA Cohort #2

Lab Summary 2

2/29/2020

Managing AD DS Objects/ Administering AD DS

The first assignment is to configure the infrastructure service for the new branch office by deploying AD DS. The branch office should have users and groups in AD DS in the Research department. Also, the Organizational Units (OUs) should be created and delegated with permission to manage them so that the employees could become the administrators to perform full administration. The Research group should be in the security group because the group needs access to network resources.

Creating user accounts

There are several tools to create user accounts, such as Active Directory User and Computers, Active Directory Administrative Center, and Windows PowerShell. All the users, trying to connect to the network, should have authenticated to the AD DS domain and access network resources. The user account includes the user name and password. Also, when creating user accounts, users should consider the full name attribute and UPN logon. The full name attribute is to create several attributes of an object, the common name, and display name. In the lab, the name is _Research Template, and the User UPN logon is Research Template@adatum.com. Whoever coming in with this UPN logon and the full name would have access to the AD DS.

Attribute Categories

In the User Properties dialog in AD AC, there are several attribute categories: account, organization, member of, password settings, profile, policy, silo, and extensions. Account category is to configure the names and UPN logons with log on hours, expirations, and other options related to the accounts. Another category is an organization that contains the managerial structure, department, organization names, and other properties. In the lab, the name of the

department is Research, and the company name is adatum with the manager, Cai. The next

category is member of. This section is to assign users to any group memberships, such as the

Research department in the lab. Other categories were not used in the lab, but they are all useful

to manage the attributes of users.

Managing Groups

With managing groups, group types and scopes are used in the lab. In the group types,

there are two groups: distribution and security groups. The distribution groups are used only with

the email applications so that they cannot have any permissions. However, the security groups

can have permissions and email with the security identifier (SID). Most other companies use

only security groups because it provides all the permissions with the security level. When the

group is for email distribution only, then the group should be the distribution group because the

security group would require an access token, and if the group is too large, it would not be

necessary to have a large group.

Module 02A & 02B: Managing AD DS objects / Administering AD DS - Google Chrome

labclient.labondemand.com/LabClient/581acf5a-a8b8-4490-a38e-6937bcc48a7e?rc=10

20742B-LON-DC1

Administrator: Windows PowerShell

```
DistinguishedName : CN=Ty,OU=London,DC=Adatum,DC=com
Enabled           : True
GivenName         : Ty
Name              : Ty
ObjectClass       : user
ObjectGUID        : 17f5e28a-2f97-46d6-aefe-a13c23ecf312
SamAccountName    : Ty
SID               : S-1-5-21-4534338-1127018997-2609994386-8108
Surname           : Carlson
UserPrincipalName :

DistinguishedName : CN=John,OU=London,DC=Adatum,DC=com
Enabled           : True
GivenName         : John
Name              : John
ObjectClass       : user
ObjectGUID        : f4745932-e19e-4255-8e31-b915a7e176f6
SamAccountName    : John
SID               : S-1-5-21-4534338-1127018997-2609994386-8110
Surname           : Doe
UserPrincipalName :

DistinguishedName : CN=Jane,OU=London,DC=Adatum,DC=com
Enabled           : True
GivenName         : Jane
Name              : Jane
ObjectClass       : user
ObjectGUID        : a616971b-07ce-44e4-84f9-a3dc13c7ce4e
SamAccountName    : Jane
SID               : S-1-5-21-4534338-1127018997-2609994386-8111
Surname           : Doe
UserPrincipalName :

DistinguishedName : CN=Bob,OU=London,DC=Adatum,DC=com
Enabled           : True
GivenName         : Bob
Name              : Bob
ObjectClass       : user
ObjectGUID        : a76aeab3-3b5b-4956-a970-d8f9f64b76c4
SamAccountName    : Bob
SID               : S-1-5-21-4534338-1127018997-2609994386-8112
Surname           : Jones
UserPrincipalName :


PS E:\Labfiles\Mod02> _
```

ENG

Module 02A & 02B: Managing AD DS objects / Admini

2 Hr 5 Min Remaining

Instructions Resources Help 100%

Screenshot

28. **Open Mod02 in PowerShell**

Switch to the **Administrator: Windows PowerShell** window. At the prompt, type: **cd E:\Labfiles\Mod02** and then press Enter.

Screenshot

29. **Run LabUsers.ps1**

Type: **.\LabUsers.ps1** and then press **Enter**.

Screenshot

30. **View London OU Users**

To view the users just created, type the following command, and then press **Enter**: **Get-ADUser -Filter * -SearchBase "ou=London,dc=adatum,dc=com"**

Screenshot

Congratulations!

You have successfully:

- Created a user account by using Windows PowerShell
- Created a new group by using Windows PowerShell
- Added a member to the group by using Windows PowerShell
- Modified the .csv file
- Modified the script
- Ran the script

You have successfully completed this Module, to mark the lab as complete click on the menu in the upper right-hand corner and select **End**.

100% Tasks Complete

< Previous End >

Type here to search

2:10 PM
2/29/2020