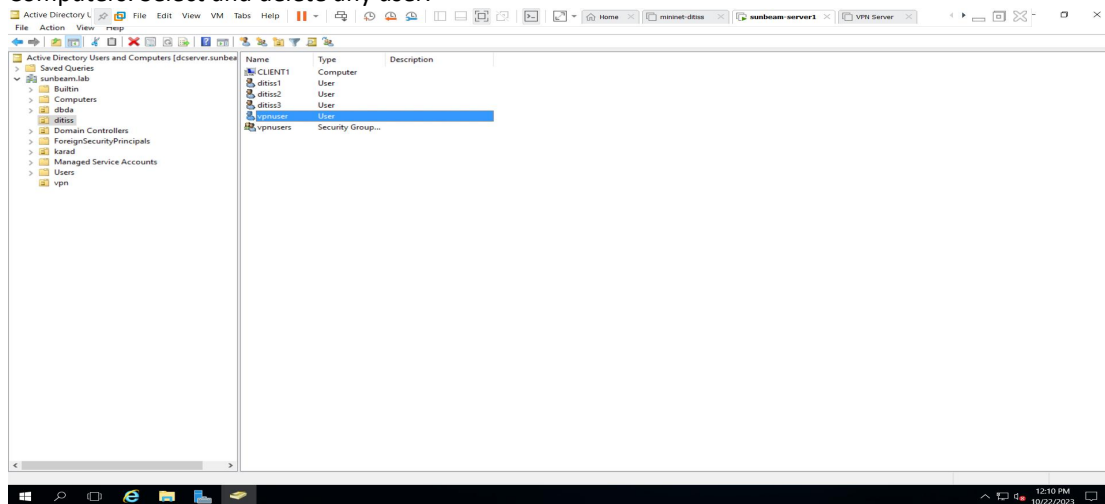
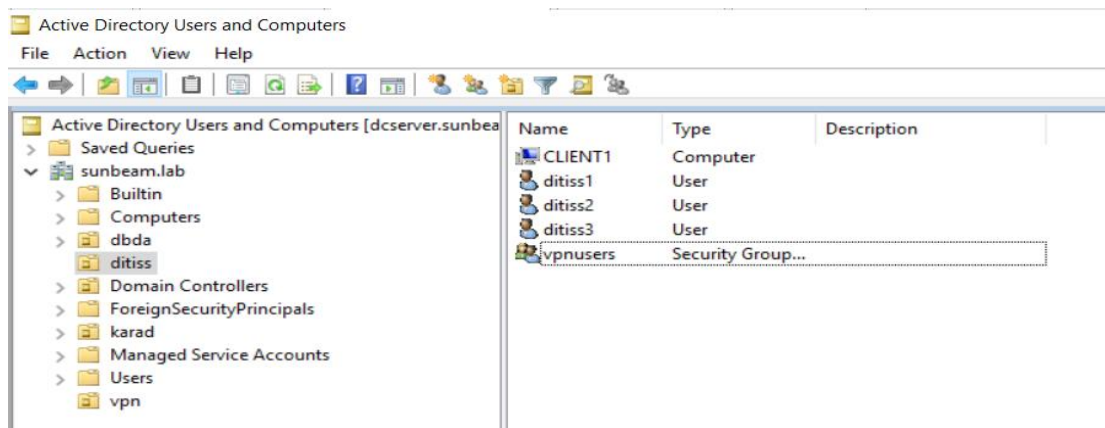


## Recover a deleted user using ldp.exe

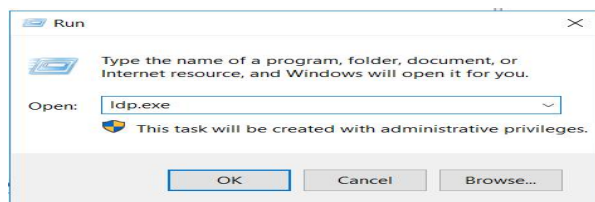
1. Login as domain administrator on the Domain Controller or ADC. Open Active Directory Users and Computers. Select and delete any user.



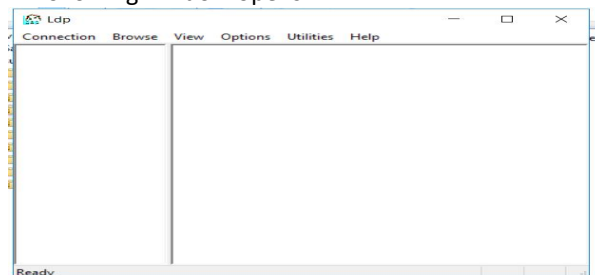
2. The user **vpnuser** is deleted as shown below. **vpnusers** is a group that is shown in the screen.



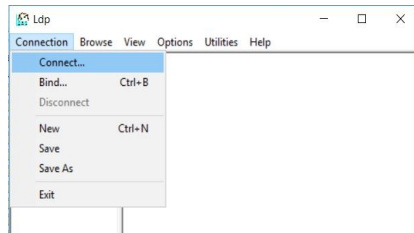
3. To recover this user, open RUN and type ldp.exe.



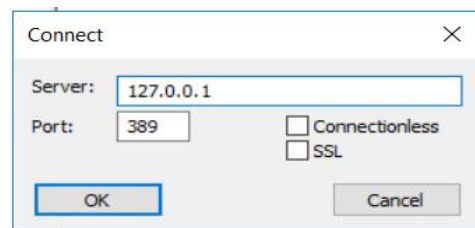
4. Following window opens.



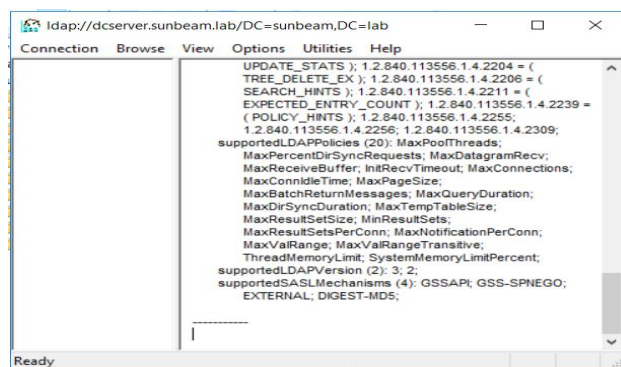
5. Connect to Active directory instance in ldp.exe.  
Click Connection and then connect.



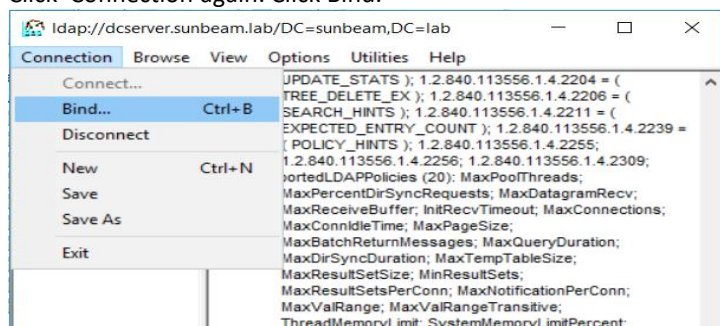
In the Window that opens, type 127.0.0.1 in the Server field. Click OK.



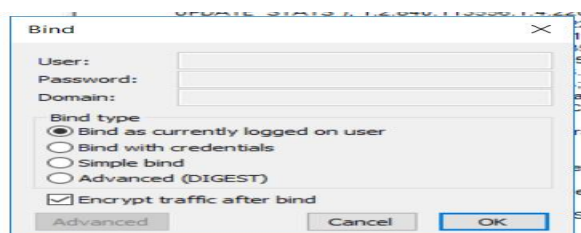
The ldp window will change as shown below.



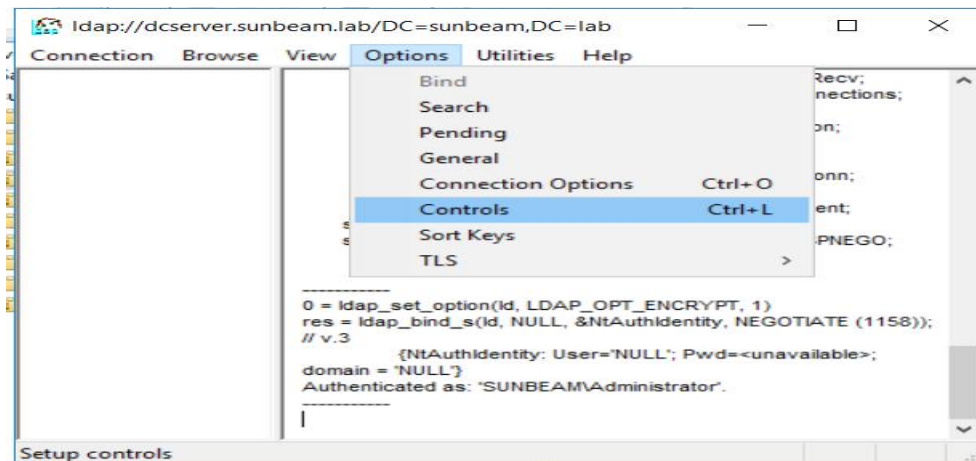
Click Connection again. Click Bind.



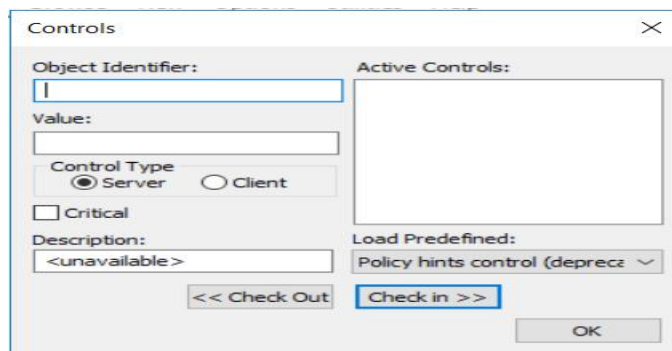
Following Window opens. Just Click Ok. This is because we have already logged in as administrator.



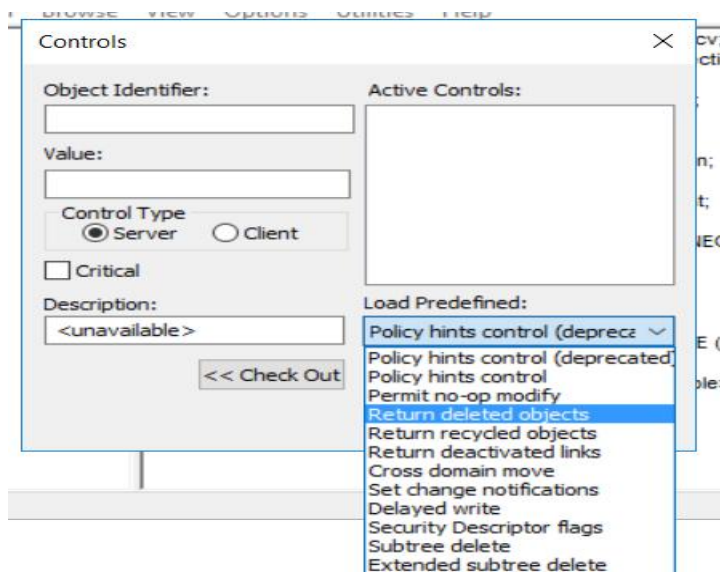
Now click Options menu in the Ldp window. Then select controls option as shown below.



The following window opens.

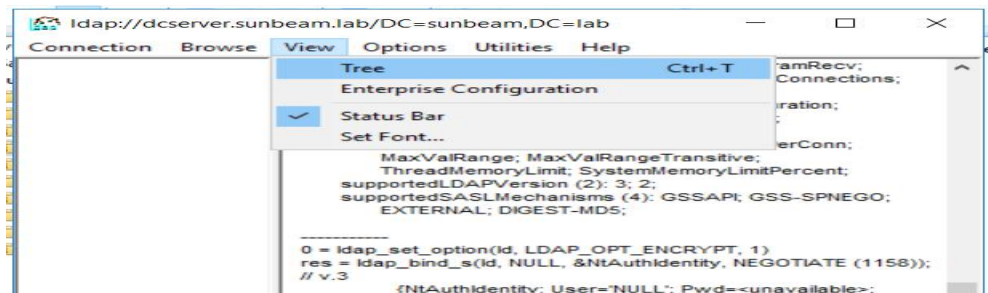


In the above window, click the drop down list below Load Predefined. Select Return Deleted Objects option as shown below.

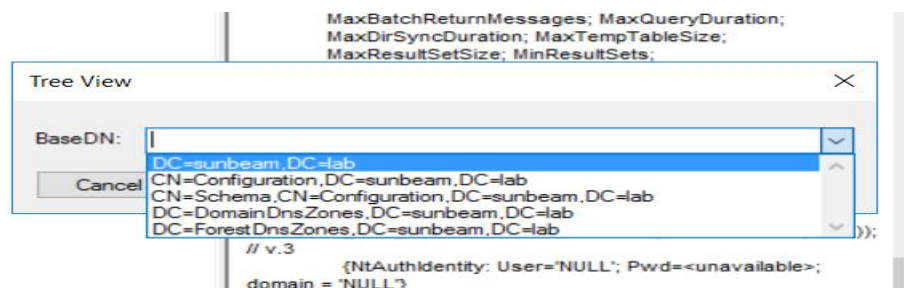


Click Ok.

Now in the Ldp window, click View menu and select Tree option as shown below.

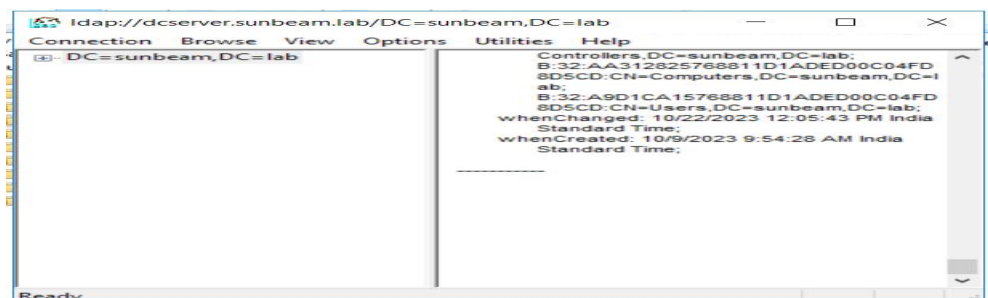


In the new windows that opens, click the drop down list for BaseDN. Select your domain name entry as shown below.



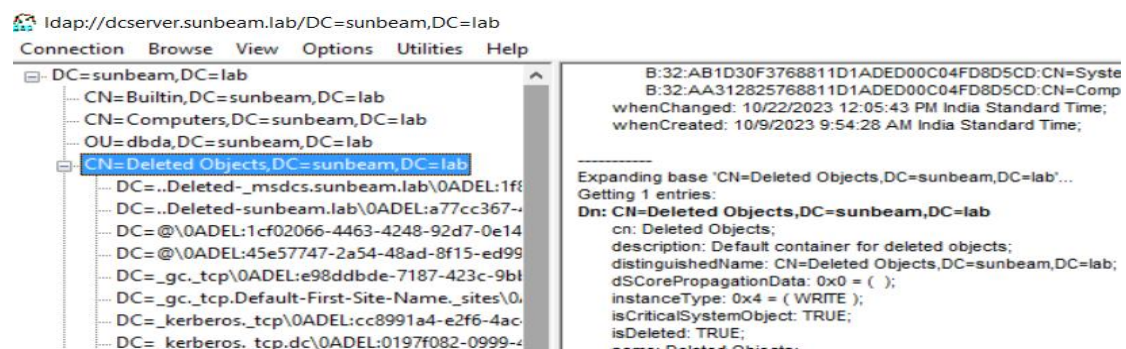
Click Ok.

The Ldp window will appear as below.



Click + sign before the domain name to expand the tree view.

In the options displayed, select Deleted Objects option as shown below. Click the plus sign to expand it or double click.





In that section search for the deleted user entry. The entry for **vpnuser** is displayed as shown below.

CN=Deleted Objects,DC=sunbeam,DC=lab

DC=Deleted-msdcs.sunbeam.lab\0ADEL:1f84cebd-144d-48f6-8000-000000000000

DC=Deleted-sunbeam.lab\0ADEL:77cc367-41f6-43ea-89bc-100000000000

DC=@\0ADEL:1cf02066-4463-4248-92d7-0e14cd1febdc,CN=D

DC=@\0ADEL:45e57747-2a54-48ad-8f15-ed994a2c30a7,CN=D

DC=\_gc\_tcp\0ADEL:e98ddbde-7187-423c-9bb2-5883e01bc8c2

DC=\_gc\_tcp.Default-First-Site-Name\_sites\0ADEL:6d7ff485-d

DC=\_kerberos\_tcp\0ADEL:cc8991a4-e2f6-4ac4-84b3-ff1424e6

DC=\_kerberos\_tcp.dc\0ADEL:0197f082-0999-4aa3-b2e1-c594f

DC=\_kerberos\_tcp.Default-First-Site-Name\_sites\0ADEL:41c

DC=\_kerberos\_tcp.Default-First-Site-Name\_sites.dc\0ADEL:b

DC=\_kerberos\_udp\0ADEL:b766b7ed-c884-492a-a780-7033da

DC=\_kpasswd\_tcp\0ADEL:a649f829-6cca-40e8-bd8e-97c9e52c

DC=\_kpasswd\_udp\0ADEL:91b7ef0b-c15a-44ec-8eb9-3d9d3b

DC=\_ldap\_tcp\0ADEL:a755ac68-e19f-4827-82b9-892efad8718

DC=\_ldap\_tcp.9b077ec1-0fc0-4b7d-aa4e-8e702958093a.doma

DC=\_ldap\_tcp.dc\0ADEL:a95ef2a2-ddee-4154-ae7d-592893eb

DC=\_ldap\_tcp.Default-First-Site-Name\_sites\0ADEL:cf3628b

DC=\_ldap\_tcp.Default-First-Site-Name\_sites.dc\0ADEL:9843b

DC=\_ldap\_tcp.Default-First-Site-Name\_sites.DomainDnsZone

DC=\_ldap\_tcp.Default-First-Site-Name\_sites.gc\0ADEL:794a4

DC=\_ldap\_tcp.DomainDnsZones\0ADEL:5528056c-8d6a-40e3-

DC=\_ldap\_tcp.gc\0ADEL:288ba4bc-fd06-4321-83bb-f88b51c1

DC=\_ldap\_tcp.pdc\0ADEL:31044db1-8215-4ef4-9464-c502900

DC=\_msdcs\0ADEL:f6f126d8-406c-4021-b7fa-ed7365ae42de,C

DC=151f5e85-4839-47da-814e-be6ba45d9213\0ADEL:3fca2776

DC=dcserver\0ADEL:db4ddf1f-9508-4a42-92fb-7263e58135ed

DC=DomainDnsZones\0ADEL:764f05fc-b761-4173-a907-408e9

DC=gc\0ADEL:fe8854df-527d-4572-8879-50c2c7a3239a,CN=D

CN=vpnuser\0ADEL:992ab948-f58a-4cc1-8c12-1e3b1e87b9e5

description: Default container for deleted objects;  
distinguishedName: CN=Deleted Objects,DC=sunbeam,DC=lab;  
dSCorePropagationData: 0x0 = ( );  
instanceType: 0x4 = ( WRITE );  
isCriticalSystemObject: TRUE;  
isDeleted: TRUE;  
name: Deleted Objects;  
objectCategory: CN=Container,CN=Schema,CN=Configuration,DC=sunbeam,DC=lab;  
objectClass (2): top; container;  
objectGUID: 2e098028-a087-4b14-9908-8c9bde31a6f4;  
showInAdvancedViewOnly: TRUE;  
systemFlags: 0x80000000 = ( DISALLOW\_DELETE | DOMAIN\_DISALLOW\_RENAME | DOMAIN\_DISALLOW\_MOVE );  
uSNChanged: 5887;  
uSNCreated: 5887;  
whenChanged: 10/9/2023 9:54:37 AM India Standard Time;  
whenCreated: 10/9/2023 9:54:37 AM India Standard Time;

Expanding base 'CN=Deleted Objects,DC=sunbeam,DC=lab'...  
Getting 1 entries:  
Dn: CN=Deleted Objects,DC=sunbeam,DC=lab  
cn: Deleted Objects;  
description: Default container for deleted objects;  
distinguishedName: CN=Deleted Objects,DC=sunbeam,DC=lab;  
dSCorePropagationData: 0x0 = ( );  
instanceType: 0x4 = ( WRITE );  
isCriticalSystemObject: TRUE;  
isDeleted: TRUE;  
name: Deleted Objects;  
objectCategory: CN=Container,CN=Schema,CN=Configuration,DC=sunbeam,DC=lab;  
objectClass (2): top; container;  
objectGUID: 2e098028-a087-4b14-9908-8c9bde31a6f4;  
showInAdvancedViewOnly: TRUE;  
systemFlags: 0x80000000 = ( DISALLOW\_DELETE | DOMAIN\_DISALLOW\_RENAME | DOMAIN\_DISALLOW\_MOVE );  
uSNChanged: 5887;  
uSNCreated: 5887;  
whenChanged: 10/9/2023 9:54:37 AM India Standard Time;  
whenCreated: 10/9/2023 9:54:37 AM India Standard Time;

Right click on the user name and click modify.

DC=\_ldap\_tcp\0ADEL:a755ac68-e19f-4827-82b9-892efad8718

DC=\_ldap\_tcp.9b077ec1-0fc0-4b7d-aa4e-8e702958093a.doma

DC=\_ldap\_tcp.dc\0ADEL:a95ef2a2-ddee-4154-ae7d-592893eb

DC=\_ldap\_tcp.Default-First-Site-Name\_sites\0ADEL:cf3628b

DC=\_ldap\_tcp.Default-First-Site-Name\_sites.dc\0ADEL:9843b

DC=\_ldap\_tcp.Default-First-Site-Name\_sites.DomainDnsZone

DC=\_ldap\_tcp.Default-First-Site-Name\_sites.gc\0ADEL:794a4

DC=\_ldap\_tcp.DomainDnsZones\0ADEL:5528056c-8d6a-40e3-

DC=\_ldap\_tcp.gc\0ADEL:288ba4bc-fd06-4321-83bb-f88b51c1

DC=\_ldap\_tcp.pdc\0ADEL:31044db1-8215-4ef4-9464-c502900

DC=\_msdcs\0ADEL:f6f126d8-406c-4021-b7fa-ed7365ae42de,C

DC=151f5e85-4839-47da-814e-be6ba45d9213\0ADEL:3fca2776

DC=dcserver\0ADEL:db4ddf1f-9508-4a42-92fb-7263e58135ed

DC=DomainDnsZones\0ADEL:764f05fc-b761-4173-a907-408e9

DC=gc\0ADEL:fe8854df-527d-4572-8879-50c2c7a3239a,CN=D

CN=vpnuser\0ADEL:992ab948-f58a-4cc1-8c12-1e3b1e87b9e5

Search Ctrl+S

Virtual List View

Delete Ctrl+D

Modify Ctrl+M

Modify DN Ctrl+R

Add child Ctrl+A

Compare

Advanced >

Copy DN

Copy Ctrl+C

Select all

Clear output Ctrl+N

Expanding base 'CN=Deleted Objects,DC=sunbeam,DC=lab'...  
Getting 1 entries:  
Dn: CN=Deleted Objects,DC=sunbeam,DC=lab  
cn: Deleted Objects;  
description: Default container for deleted objects;  
distinguishedName: CN=Deleted Objects,DC=sunbeam,DC=lab;  
dSCorePropagationData: 0x0 = ( );  
instanceType: 0x4 = ( WRITE );  
isCriticalSystemObject: TRUE;  
isDeleted: TRUE;  
name: Deleted Objects;  
objectCategory: CN=Container,CN=Schema,CN=Configuration,DC=sunbeam,DC=lab;  
objectClass (2): top; container;  
objectGUID: 2e098028-a087-4b14-9908-8c9bde31a6f4;  
showInAdvancedViewOnly: TRUE;  
systemFlags: 0x80000000 = ( DISALLOW\_DELETE | DOMAIN\_DISALLOW\_RENAME | DOMAIN\_DISALLOW\_MOVE );  
uSNChanged: 5887;  
uSNCreated: 5887;  
whenChanged: 10/9/2023 9:54:37 AM India Standard Time;  
whenCreated: 10/9/2023 9:54:37 AM India Standard Time;

Following window opens.

Modify

DN: 5,CN=Deleted Objects,DC=sunbeam,DC=lab

Edit Entry

Attribute:

Values:

Operation

☒ Add ☐ Delete ☐ Replace

Insert file

Enter

Entry List

Edit

Remove

☒ Synchronous

☐ Extended

Close

Run

Now In type **isDeleted** in the Edit entry attribute field. Select Delete option. This is shown in the following window.

Modify

DN: 5,CN=Deleted Objects,DC=sunbeam,DC=lab

Edit Entry Attribute: isDeleted

Values:

Operation: ☐ Add ☒ Delete ☐ Replace

Entry List

☒ Synchronous

☐ Extended

Click Enter option. **Do not Press Enter button on Keyboard.**

The window will change as following.

Modify

DN: 5,CN=Deleted Objects,DC=sunbeam,DC=lab

Edit Entry Attribute: isDeleted

Values:

Operation: ☐ Add ☒ Delete ☐ Replace

Entry List

[Delete]isDeleted:

☒ Synchronous

☐ Extended

Now Type as shown below in the above window.

Modify

DN: 5,CN=Deleted Objects,DC=sunbeam,DC=lab

Edit Entry Attribute: distinguishedName

Values: OU=ditiss,dc=sunbeam,dc=lab

Operation: ☐ Add ☐ Delete ☒ Replace

Entry List

[Delete]isDeleted:

☒ Synchronous

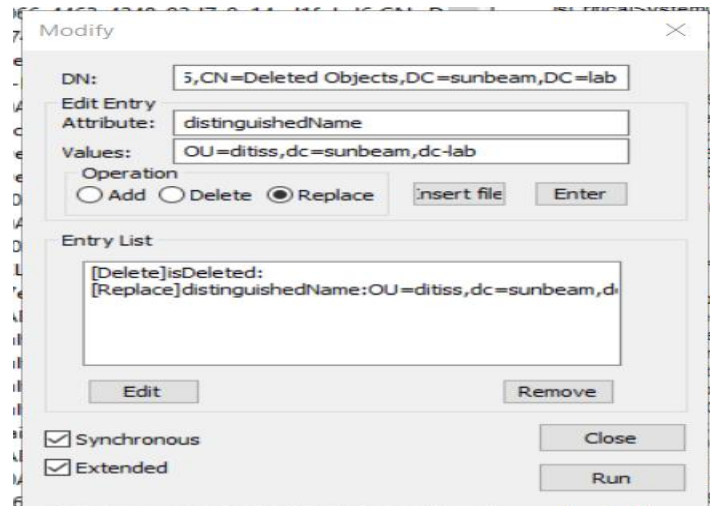
☒ Extended

Here in the values field, type the OU location where you want to recover the deleted user. In this lab the deleted user will be recovered in the ditiss OU.

Select Replace option.  
Click Extended Check Box also.

Click Enter option. **Do not Press Enter button on Keyboard.**

The above window should look as shown below.



Now click **Run** button.

Now go to the Active Directory Users and Computer. Select the OU where you recovered the deleted user. You will find the user account. However the user account is disabled. You need to set a password for the user first. Then enable the user account. Right click on the user name to perform these actions.