

Managing Windows Accounts and Organizational Units (3e)

Access Control and Identity Management, Third Edition - Lab 04

Student:

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Time on Task:

4 hours, 6 minutes

Progress:

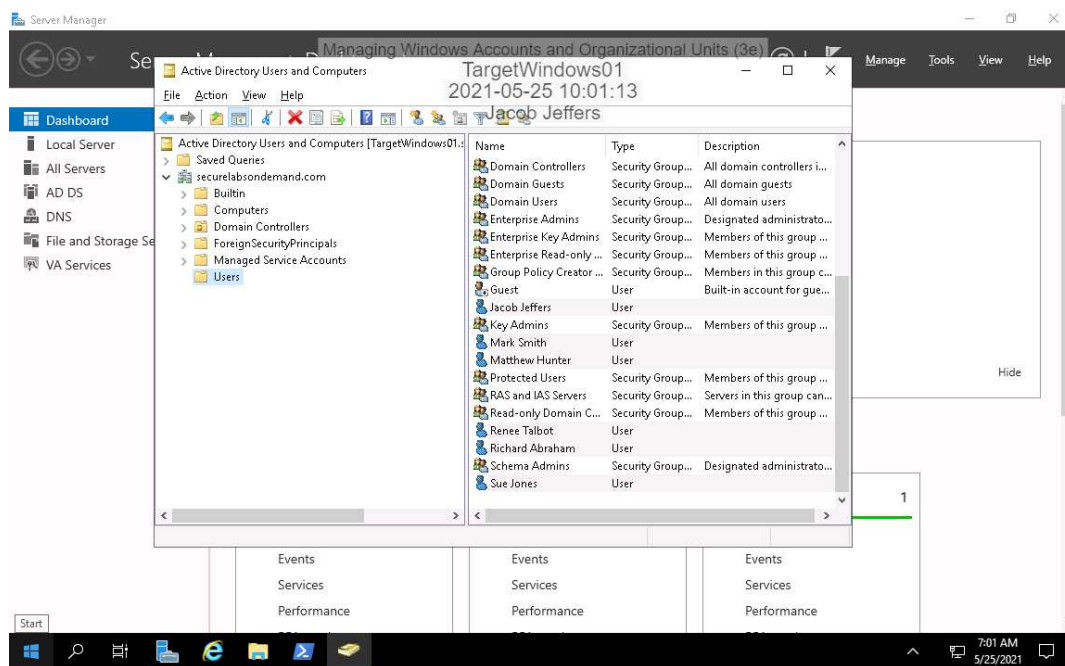
100%

Report Generated: Tuesday, May 25, 2021 at 11:14 AM

Section 1: Hands-On Demonstration

Part 1: Create User Accounts

12. Make a screen capture showing the new user accounts.

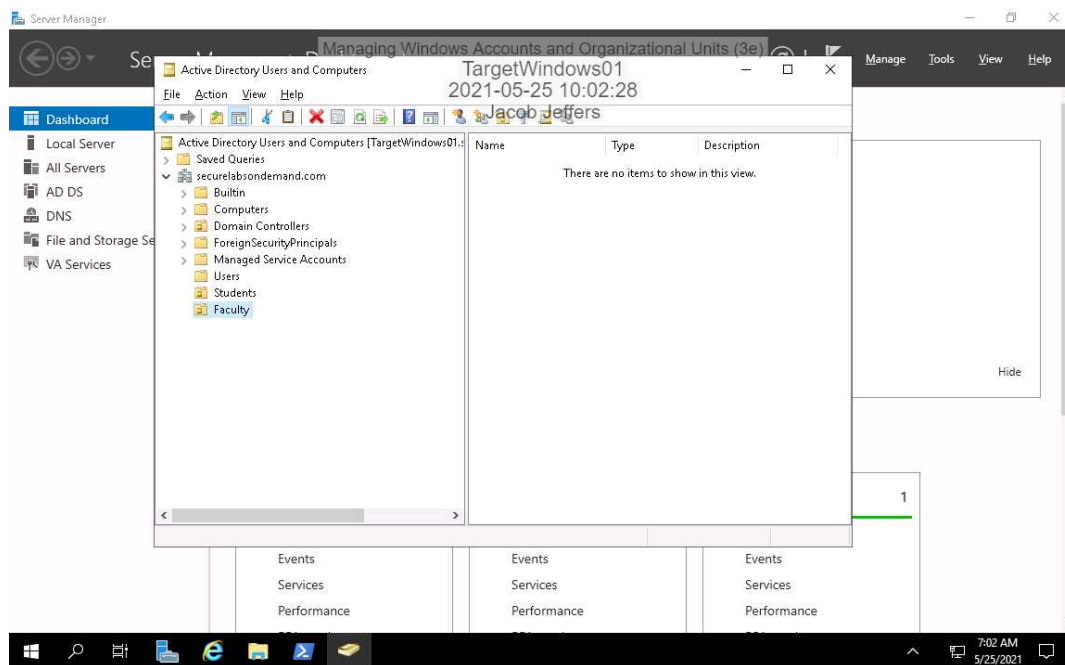


Part 2: Create Organizational Units

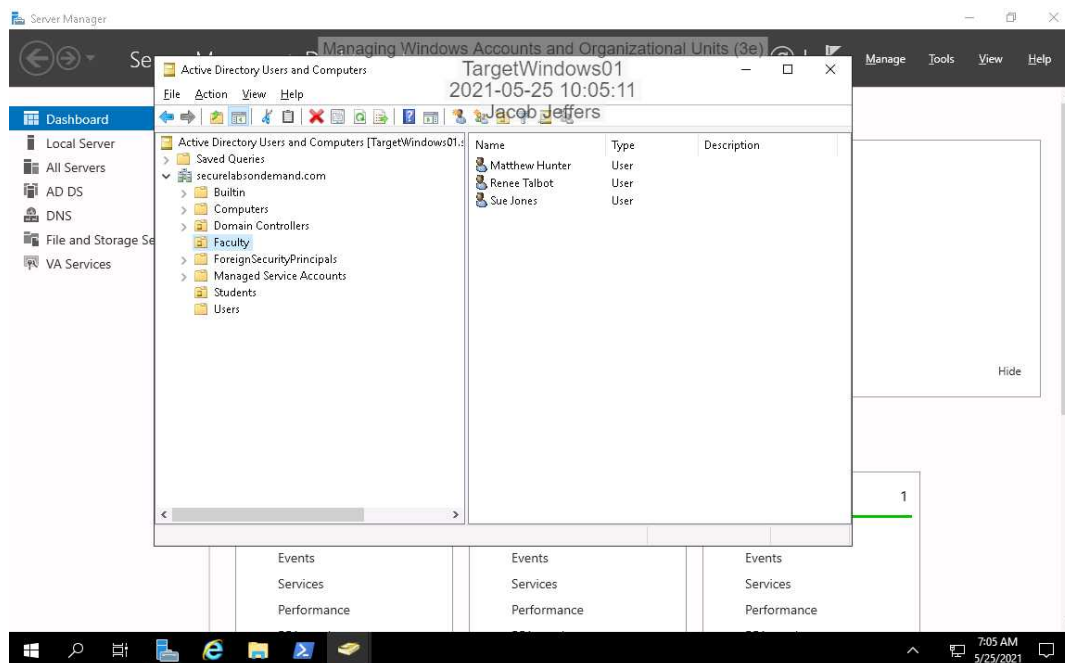
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4. Make a screen capture showing the **two new OUs**.



10. Make a screen capture showing the **accounts in the Faculty Organizational Unit**.

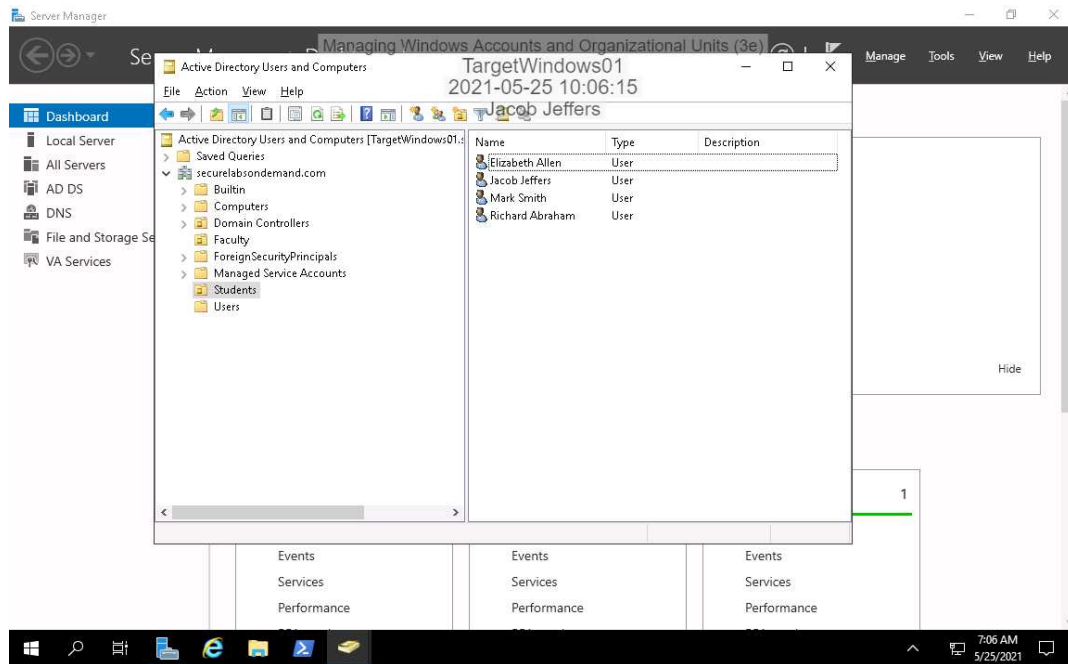


Part 3: Change Existing User Accounts

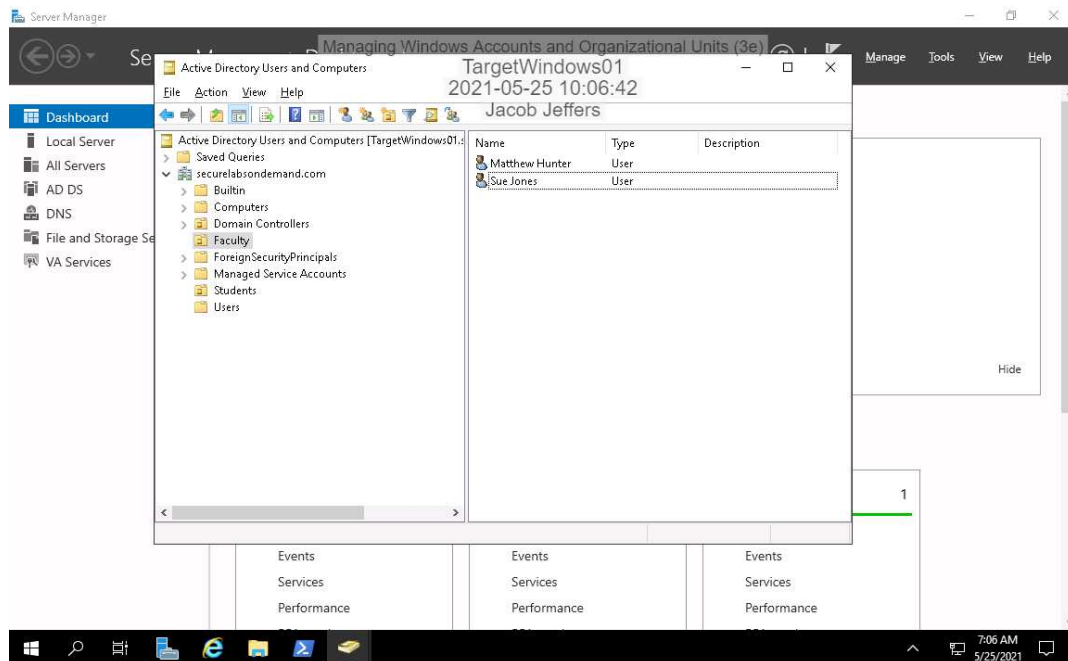
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5. Make a screen capture showing the updated contents of the Students OU.



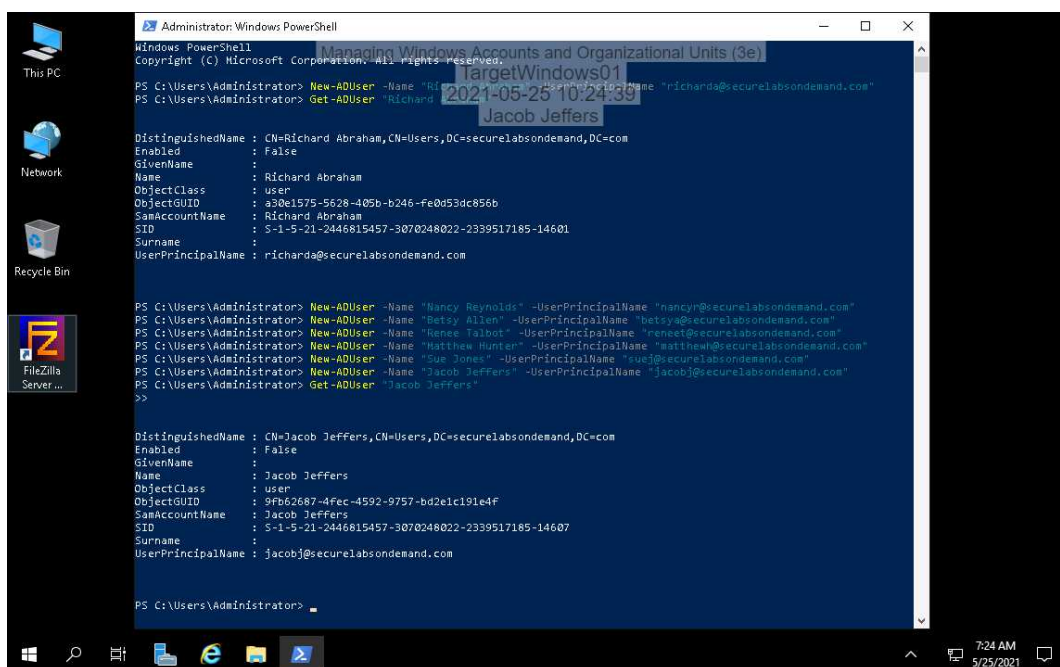
9. Make a screen capture showing the updated contents of the Faculty OU.



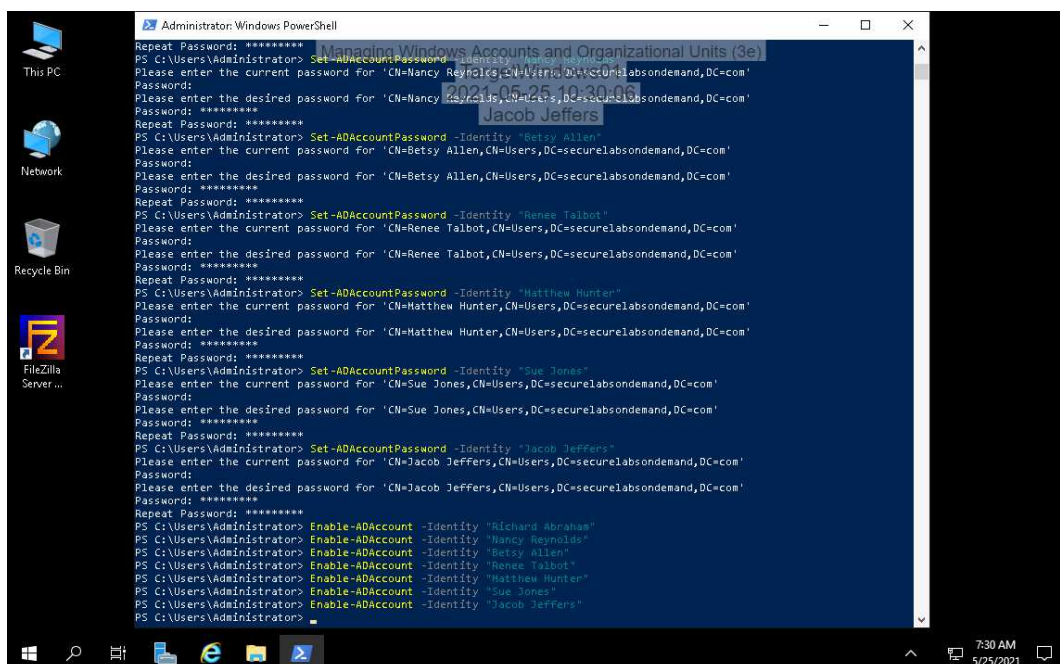
Section 2: Applied Learning

Part 1: Create User Accounts

6. Make a screen capture showing the user account details for your own user account.

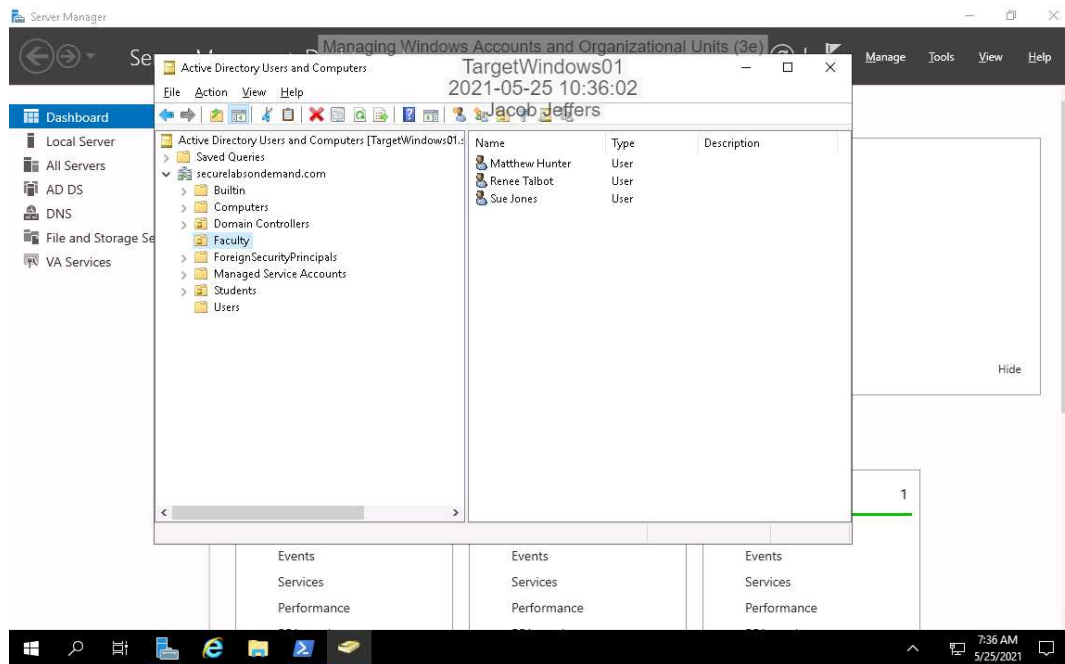


12. Make a screen capture showing the PowerShell commands that enabled all of the user accounts.



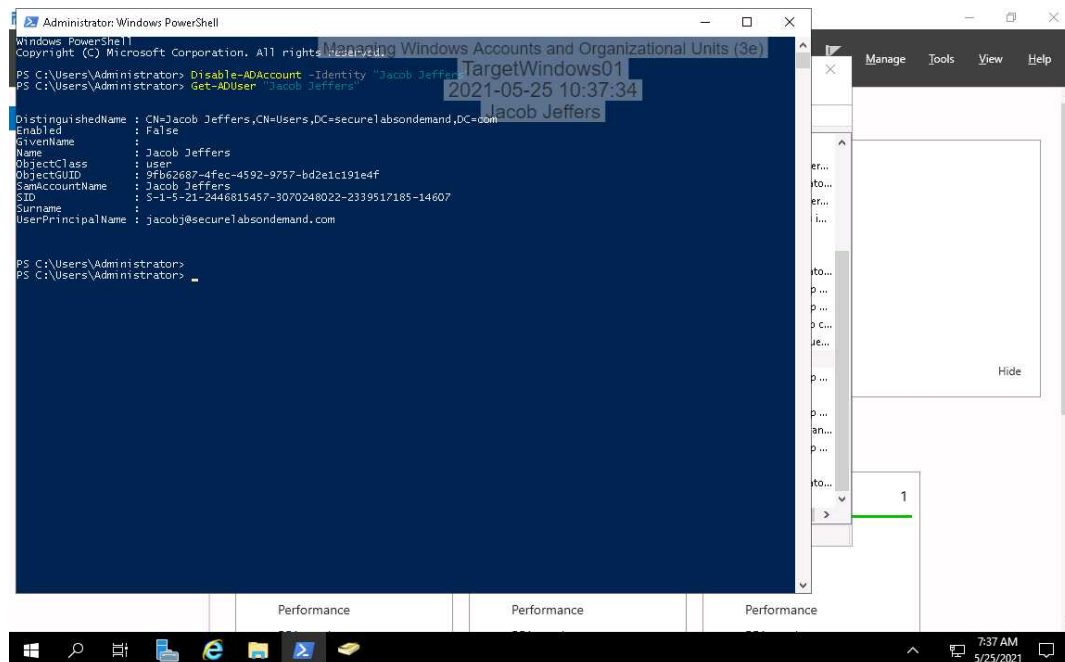
Part 2: Create Organizational Units

7. Make a screen capture showing the users in the Faculty OU.



Part 3: Change Existing User Accounts

4. Make a screen capture showing the disabled user account created in your own name.



Section 3: Challenge and Analysis

Part 1: Choose an Account Management Approach

Write a brief opinion describing which method of user account maintenance you prefer. Would you use one method over the other in all cases, or would you use each for a specific purpose? Give examples.

I prefer using the Server Manager method. It saved me roughly five minutes of troubleshooting misspelled words by doing it this way. Although, I can see the value in creating accounts in PowerShell. One could automate a task to disable many accounts at once, for example.

Part 2: Build a User Inventory and Remove Unnecessary Accounts

Make a screen capture showing the **successfully executed account inventory command in PowerShell**.

```
PS C:\Users\Administrator> Get-ADUser -Filter *

DistinguishedName : CN=Administrator,CN=Users,DC=securelabsondemand,DC=com
Enabled            : True
GivenName         :
Name              : Administrator
ObjectClass       : user
ObjectGUID        : 3f5ca29a-c5fd-42f4-960e-729812af119c
SamAccountName    : Administrator
SID               : S-1-5-21-2446815457-3070248022-2339517185-500
Surname           :
UserPrincipalName :

DistinguishedName : CN=Guest,CN=Users,DC=securelabsondemand,DC=com
Enabled            : False
GivenName         :
Name              : Guest
ObjectClass       : user
ObjectGUID        : 38ab5674-af9e-440a-b22a-6b7aa5e71837
SamAccountName    : Guest
SID               : S-1-5-21-2446815457-3070248022-2339517185-501
Surname           :
UserPrincipalName :

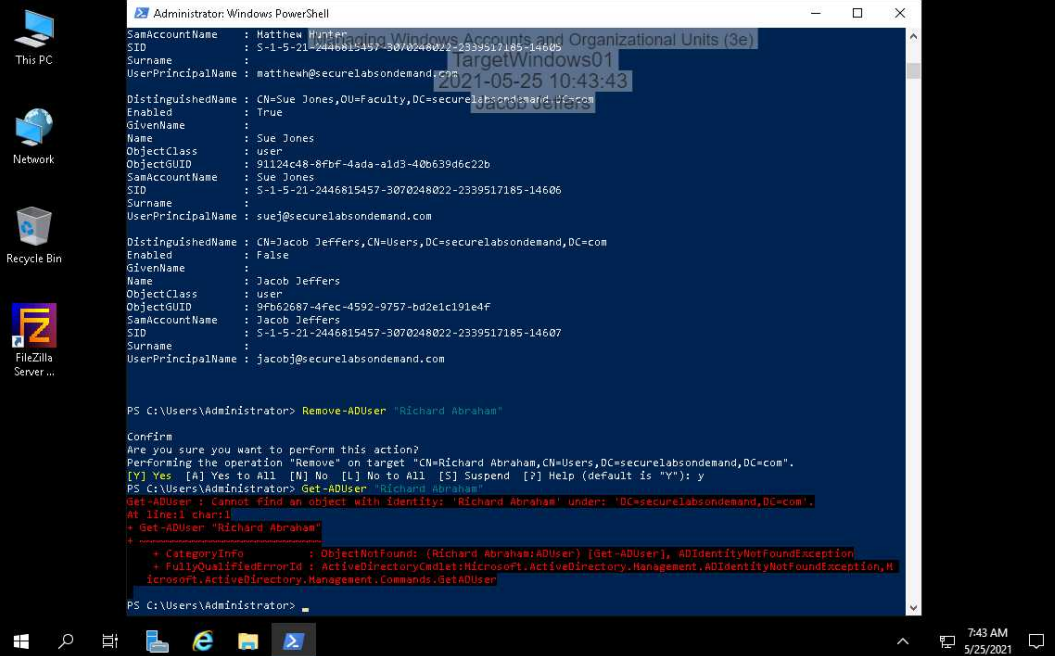
DistinguishedName : CN=DefaultAccount,CN=Users,DC=securelabsondemand,DC=com
Enabled            : False
GivenName         :
Name              : DefaultAccount
ObjectClass       : user
ObjectGUID        : 61588da6-5dd9-47c1-9927-1ad1dd4eb2fc
SamAccountName    : DefaultAccount
SID               : S-1-5-21-2446815457-3070248022-2339517185-503
Surname           :
UserPrincipalName :

DistinguishedName : CN=krbtgt,CN=Users,DC=securelabsondemand,DC=com
Enabled            : False
GivenName         :
Name              : krbtgt
ObjectClass       : user
ObjectGUID        : 65fd5ee5-f62e-4ee5-9030-8a8055476913
SamAccountName    : krbtgt
SID               : S-1-5-21-2446815457-3070248022-2339517185-502
Surname           :
UserPrincipalName :
```


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Make a screen capture showing the **successfully executed account deletion command in PowerShell**.



```
Administrator: Windows PowerShell

SamAccountName : Matthew Hunter
SID             : S-1-5-21-2446815457-3070248022-2339517185-14605
Surname         : 
UserPrincipalName : matthewh@securelabsondemand.com

DistinguishedName : CN=Sue Jones,OU=Faculty,DC=securelabsondemand,DC=com
Enabled          : True
GivenName       : 
Name            : Sue Jones
ObjectClass     : user
ObjectGUID      : 91124c48-8fbf-4ada-a1d3-40b639d6c22b
SamAccountName  : Sue Jones
SID             : S-1-5-21-2446815457-3070248022-2339517185-14606
Surname         : 
UserPrincipalName : suej@securelabsondemand.com

DistinguishedName : CN=Jacob Jeffers,CN=Users,DC=securelabsondemand,DC=com
Enabled          : False
GivenName       : 
Name            : Jacob Jeffers
ObjectClass     : user
ObjectGUID      : 9fb62687-4fec-4592-9757-bd2e1c191e4f
SamAccountName  : Jacob Jeffers
SID             : S-1-5-21-2446815457-3070248022-2339517185-14607
Surname         : 
UserPrincipalName : jacobj@securelabsondemand.com

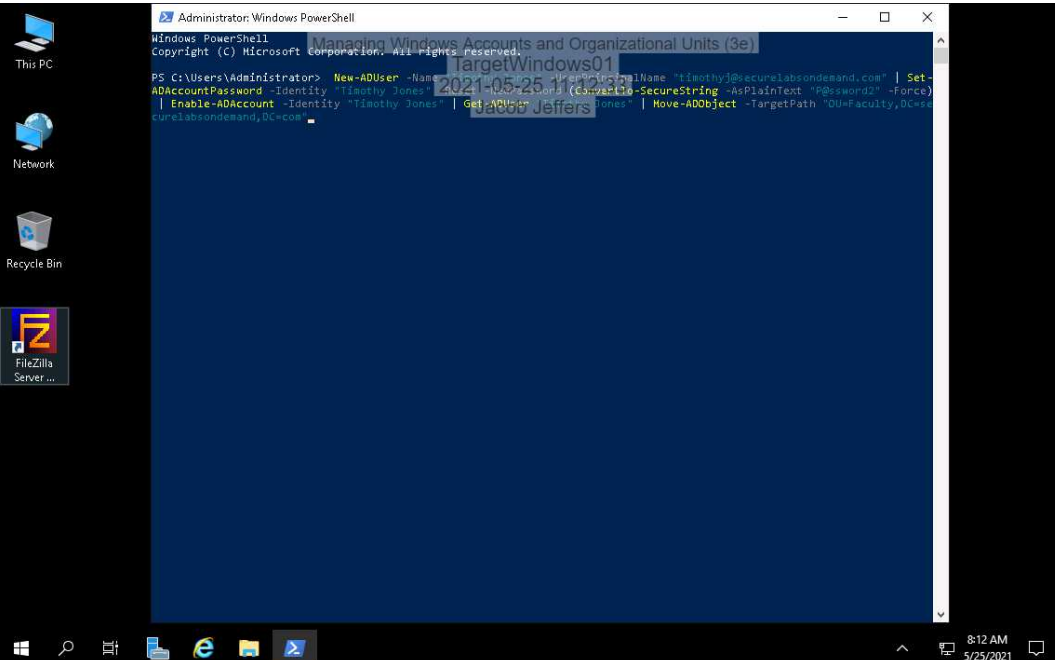
PS C:\Users\Administrator> Remove-ADUser "Richard Abraham"

Confirm
Are you sure you want to perform this action?
Performing the operation "Remove" on target "CN=Richard Abraham,CN=Users,DC=securelabsondemand,DC=com".
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): y
PS C:\Users\Administrator> Get-ADUser "Richard Abraham"
Get-ADUser : Cannot find an object with identity 'Richard Abraham' under 'DC=securelabsondemand,DC=com'.
at line:1 char:1
+ Get-ADUser "Richard Abraham"
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (Richard Abraham:ADUser) [Get-ADUser], ADIdentityNotFoundException
+ FullyQualifiedErrorId : ActiveDirectoryCmdlet:Microsoft.ActiveDirectory.Management.ADIdentityNotFoundException,Microsoft.ActiveDirectory.Management.Commands.GetADUser

PS C:\Users\Administrator>
```

Part 3: Automate the Creation of New Accounts

Make a screen capture showing the **completed account creation PowerShell script**.



```
Administrator: Windows PowerShell

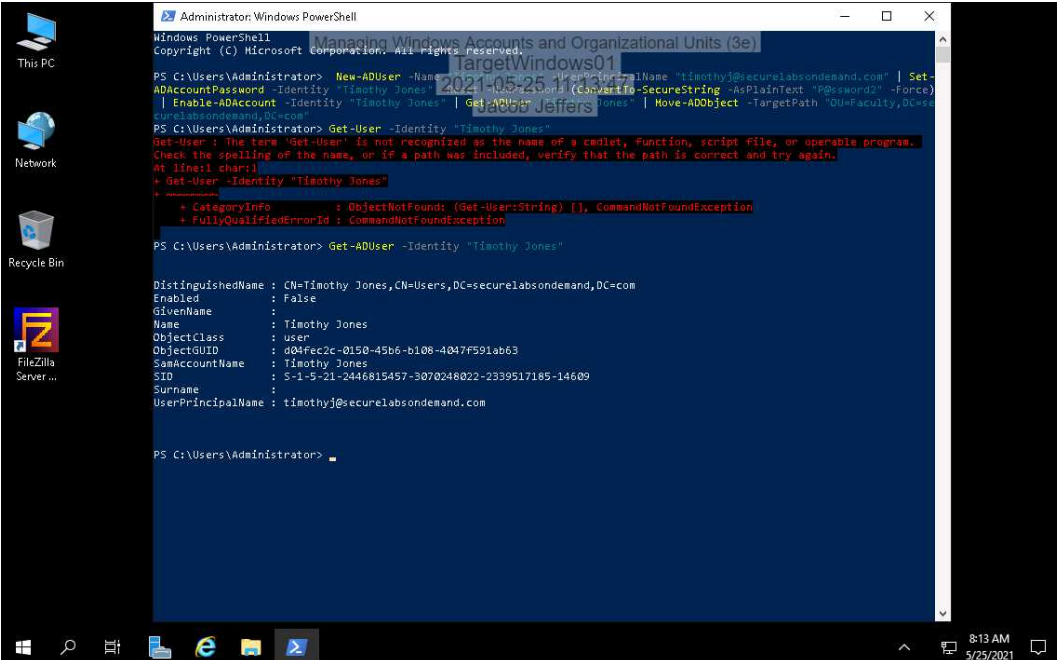
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> New-ADUser -Name "Timothy Jones" -SamAccountName "timothyj@securelabsondemand.com" | Set-ADAccountPassword -Identity "Timothy Jones" -Password (ConvertTo-SecureString -AsPlainText "P@ssword2" -Force) | Enable-ADAccount -Identity "Timothy Jones" | Get-ADUser "Timothy Jones" | Move-ADObject -TargetPath "OU=Faculty,DC=securelabsondemand,DC=com"
```

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Make a screen capture showing the **successfully executed account creation PowerShell script**.



The screenshot shows a Windows PowerShell window titled "Administrator: Windows PowerShell". The window displays the following commands and output:

```
PS C:\Users\Administrator> New-ADUser -Name "Timothy Jones" -SamAccountName "timothyj@securelabsondemand.com" | Set-ADAccountPassword -Identity "Timothy Jones" (ConvertTo-SecureString -AsPlainText "P@ssword2" -Force) | Enable-ADAccount -Identity "Timothy Jones" | Get-ADUser "Timothy Jones" | Move-ADObject -TargetPath "OU=Faculty,DC=securelabsondemand,DC=com"
PS C:\Users\Administrator> Get-User -Identity "Timothy Jones"
Get-User: The term 'Get-User' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ Get-User -Identity "Timothy Jones"
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (Get-User:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\Administrator> Get-ADUser -Identity "Timothy Jones"

DistinguishedName : CN=Timothy Jones,CN=Users,DC=securelabsondemand,DC=com
Enabled            : False
GivenName         :
Name              : Timothy Jones
ObjectClass       : user
ObjectGUID        : d04fec2c-0150-45b6-b108-4047f591ab63
SamAccountName    : Timothy Jones
SID               : S-1-5-21-2446815457-3070248022-2339517185-14609
Surname           :
UserPrincipalName : timothyj@securelabsondemand.com

PS C:\Users\Administrator>
```

The output of the `Get-ADUser` command shows the details of the newly created user account, including the distinguished name, enabled status, given name, name, object class, object GUID, SamAccountName, SID, surname, and user principal name.