

Add users with scripts

Target

- Managing Active Directory Users And Computers and creating user accounts using scripts.

Tasks

Add users with scripts

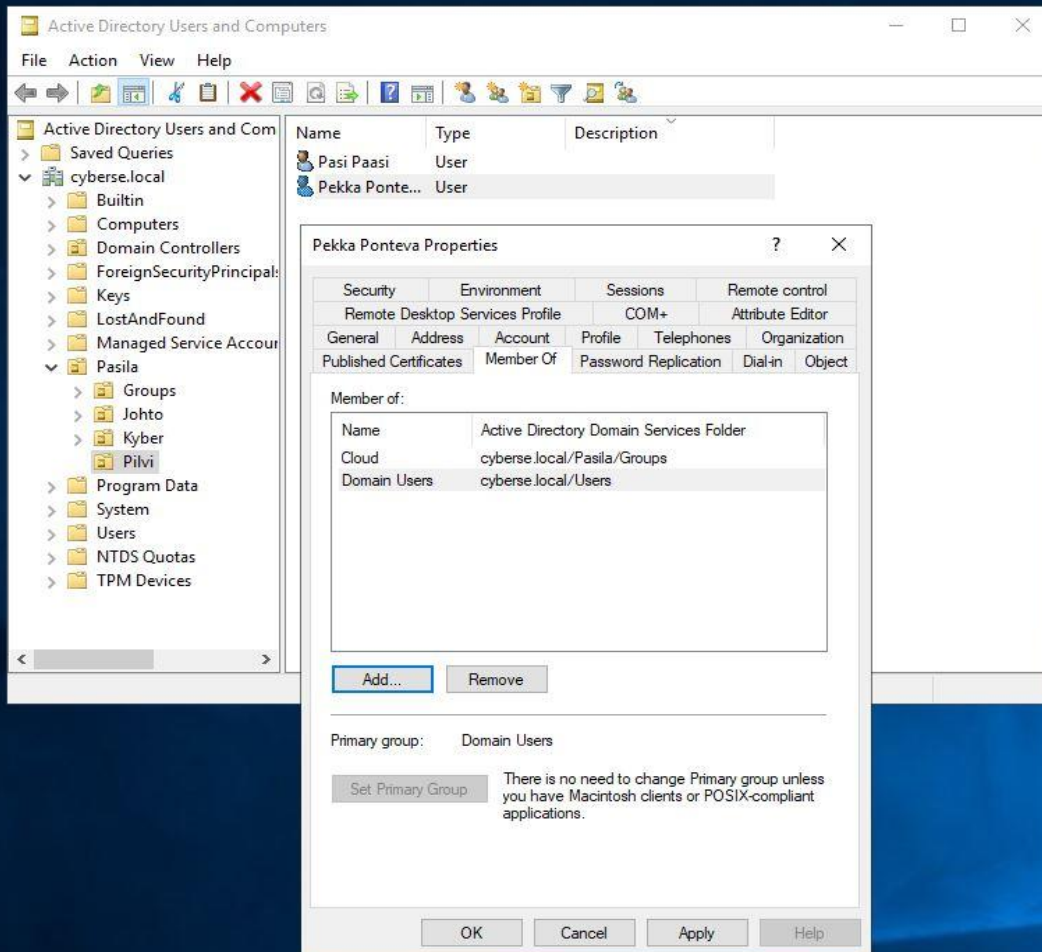
1. If necessary, launch the VirtualBox virtualization software.
2. If necessary, start the Apollo (Windows Server 2016) virtual machine.
3. Log in with your cyberse\Administrator username and password to the PasswOrd\$ server.
4. In the Server Manager window, click Tools and select Active Directory Users and Computers.
 - Opened so that you can see the organizational units and see if the users added from the command line appear.
5. Use scripts to make the following users: Password for all users: PasswOrd\$
 - 'Model scripts' can be found in the itsLearning course's Materials: folder for adding users with scripts in a document.
 - a) To the Cloud organizational unit, add users Pekka Ponteva and Pirjo Pakarinen using the **DSADD** command.
 - b) Add a user to the Kyber organizational unit with the Keijo Kepuli **Power Shell** command.
 - c) Add users Kaarina Kanerva and Kalle Kokkeli to the Kyber organizational unit using the **PowerShell ISE** command.
 - d) Add user Juha Jokinen to the Management organizational unit with the **VBScript** command
6. In the Active Directory Users and Computers window, make sure that the users you added with the scripts are found and are in the correct organizational unit. If necessary, move users to the correct organizational unit (you can deduce from the name which organizational unit each one belongs to)
7. In the Active Directory Users and Computers window, set the home directory for the users created above: Connect: (K:) To: \\Apollo\users\%username% if you have not specified a home directory in the scripts.

To the Cloud organizational unit, add users Pekka Ponteva and Pirjo Pakarinen using the DSADD command.

```
APOLLO [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Administrator: Command Prompt
Microsoft Windows [Version 10.0.17763.520]
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C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid pp -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd 12345 -mustchpwd yes -disabled no
dsadd failed: 'samid' is an unknown parameter.
type dsadd /? for help.
C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid pp -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd 12345 -mustchpwd yes -disabled no
dsadd failed: ' ' is an unknown parameter.
type dsadd /? for help.
C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid pp -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd 12345 -mustchpwd yes -disabled no
dsadd failed:cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local:The password does not meet the password policy requirements. Check the minimum password length, password complexity and password history requirements.:Set password failed
type dsadd /? for help.
C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid pp -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd Bup090606@ -mustchpwd yes -disabled no
dsadd failed:cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local:The specified account already exists.
type dsadd /? for help.
C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid pp -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd Bup090606@ -mustchpwd yes -disabled no
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dsadd failed:cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local:The specified account already exists.
type dsadd /? for help.
C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid ppt -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd Bup090606@ -mustchpwd yes -disabled no
dsadd failed: 'samid' is an unknown parameter.
type dsadd /? for help.
C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid ppt -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd Bup090606@ -mustchpwd yes -disabled no
dsadd failed:cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local:An attempt was made to add an object to the directory with a name that is already in use.
type dsadd /? for help.
C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid pepo -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd Bup090606@ -mustchpwd yes -disabled no
dsadd failed:cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local:An attempt was made to add an object to the directory with a name that is already in use.
type dsadd /? for help.
C:\Users\Administrator>dsadd user "cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local" -fn Pekka -ln Ponteva -samid ppt -upn pekka.ponteva@cyberse.local -display "Pekka Ponteva" -pwd Bup090606@ -mustchpwd yes -disabled no
dsadd succeeded:cn=Pekka Ponteva,ou=Pilvi,ou=Pasila,dc=Cyberse,dc=local

C:\Users\Administrator>
```



Add a user to the Kyber organizational unit with the Keijo Kepuli Power Shell command.

APOLLO [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Administrator: Windows PowerShell

Windows PowerShell
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```
PS C:\Users\Administrator> $objOU=[ADSI]"LDAP://OU=Kyber,OU=Pasila,DC=Cyberse,DC=local"
PS C:\Users\Administrator> $objUser=$objOU.Create("user","CN=Keijo Kepuli")
PS C:\Users\Administrator> $objUser.Put("sAMAccountName","kk")
PS C:\Users\Administrator> $objUser.Put("UserPrincipalName","keijo.kepuli@cyberse.local")
PS C:\Users\Administrator> $objUser.Put("DisplayName","keijo.kepuli")
PS C:\Users\Administrator> $objUser.Put("GivenName","keijo")
PS C:\Users\Administrator> $objUser.Put("sn","kepuli")
PS C:\Users\Administrator> $objUser.setinfo()
PS C:\Users\Administrator> $objUser.SetPassword("Bup090606@")
PS C:\Users\Administrator> $objUser.psbase.InvokeSet("AccountDisabled",$false)
PS C:\Users\Administrator> $objUser.setinfo()
PS C:\Users\Administrator> $objUser.distinguishedName
CN=Keijo Kepuli,OU=Kyber,OU=Pasila,DC=cyberse,DC=local
PS C:\Users\Administrator> $objUser | get-member
```

TypeName: System.DirectoryServices.DirectoryEntry

Name	MemberType	Definition
ConvertDNWithBinaryToString	CodeMethod	static string ConvertDNWithBinaryToString(psoobject deInstance, psobject dnMit...
ConvertLargeIntegerToInt64	CodeMethod	static long ConvertLargeIntegerToInt64(psoobject deInstance, psobject largeInt...
accountExpires	Property	System.DirectoryServices.PropertyValueCollection accountExpires {get;set;}
badPasswordTime	Property	System.DirectoryServices.PropertyValueCollection badPasswordTime {get;set;}
badPwdCount	Property	System.DirectoryServices.PropertyValueCollection badPwdCount {get;set;}
cn	Property	System.DirectoryServices.PropertyValueCollection cn {get;set;}
codePage	Property	System.DirectoryServices.PropertyValueCollection codePage {get;set;}
countryCode	Property	System.DirectoryServices.PropertyValueCollection countryCode {get;set;}
displayName	Property	System.DirectoryServices.PropertyValueCollection displayName {get;set;}
distinguishedName	Property	System.DirectoryServices.PropertyValueCollection distinguishedName {get;set;}
dSCorePropagationData	Property	System.DirectoryServices.PropertyValueCollection dSCorePropagationData {get;s...
givenName	Property	System.DirectoryServices.PropertyValueCollection givenName {get;set;}
instanceType	Property	System.DirectoryServices.PropertyValueCollection instanceType {get;set;}
lastLogoff	Property	System.DirectoryServices.PropertyValueCollection lastLogoff {get;set;}
lastLogon	Property	System.DirectoryServices.PropertyValueCollection lastLogon {get;set;}
logonCount	Property	System.DirectoryServices.PropertyValueCollection logonCount {get;set;}
name	Property	System.DirectoryServices.PropertyValueCollection name {get;set;}
nTSecurityDescriptor	Property	System.DirectoryServices.PropertyValueCollection nTSecurityDescriptor {get;set;}
objectCategory	Property	System.DirectoryServices.PropertyValueCollection objectCategory {get;set;}
objectClass	Property	System.DirectoryServices.PropertyValueCollection objectClass {get;set;}
objectGUID	Property	System.DirectoryServices.PropertyValueCollection objectGUID {get;set;}
objectSid	Property	System.DirectoryServices.PropertyValueCollection objectSid {get;set;}
primaryGroupID	Property	System.DirectoryServices.PropertyValueCollection primaryGroupID {get;set;}
pwdLastSet	Property	System.DirectoryServices.PropertyValueCollection pwdLastSet {get;set;}
sAMAccountName	Property	System.DirectoryServices.PropertyValueCollection sAMAccountName {get;set;}
sAMAccountType	Property	System.DirectoryServices.PropertyValueCollection sAMAccountType {get;set;}
sn	Property	System.DirectoryServices.PropertyValueCollection sn {get;set;}
userAccountControl	Property	System.DirectoryServices.PropertyValueCollection userAccountControl {get;set;}
userPrincipalName	Property	System.DirectoryServices.PropertyValueCollection userPrincipalName {get;set;}
uSNChanged	Property	System.DirectoryServices.PropertyValueCollection uSNChanged {get;set;}
uSNCreated	Property	System.DirectoryServices.PropertyValueCollection uSNCreated {get;set;}
whenChanged	Property	System.DirectoryServices.PropertyValueCollection whenChanged {get;set;}
whenCreated	Property	System.DirectoryServices.PropertyValueCollection whenCreated {get;set;}

PS C:\Users\Administrator>

keskiviikko 20. maaliskuuta 2024

FIN 13.05
US 20.3.2024

Right Ctrl

APOLLO [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Administrator: Windows PowerShell

Windows PowerShell
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```
PS C:\Users\Administrator> $objOU=[ADSI]"LDAP://OU=Kyber,OU=Pasila,DC=Cyberse,DC=local"
PS C:\Users\Administrator> $objUser=$objOU.Create("user","CN=Keijo Kepuli")
PS C:\Users\Administrator> $objUser.Put("SAMAccountName","kk")
PS C:\Users\Administrator> $objUser.Put("UserPrincipalName","keijo.kepuli@cyberse.local")
PS C:\Users\Administrator> $objUser.Put("DisplayName","keijo.kepuli")
PS C:\Users\Administrator> $objUser.Put("GivenName","keijo")
PS C:\Users\Administrator> $objUser.Put("sn","kepuli")
PS C:\Users\Administrator> $objUser.setinfo()
PS C:\Users\Administrator> $objUser.SetPassword("Bup090606@")
PS C:\Users\Administrator> $objUser.psbase.InvokeSet("AccountDisabled",$false)
PS C:\Users\Administrator> $objUser.setinfo()
PS C:\Users\Administrator> $objUser.distinguishedName
CN=Keijo Kepuli,OU=Kyber,OU=Pasila,DC=cyberse,DC=local
PS C:\Users\Administrator> $objUser | get-member
```

Type Name

Active Directory Users and Computers

Name

File Action View Help

Active Directory Users and Computers

Keijo Kepuli Properties

Published Certificates Member Of Password Replication Dial-in Object

Security Environment Sessions Remote control

Remote Desktop Services Profile COM+ Attribute Editor

General Address Account Profile Telephones Organization

User profile

Profile path:

Logon script:

Home folder

☐ Local path:

☒ Connect: K: To: \\apollo\users\kk

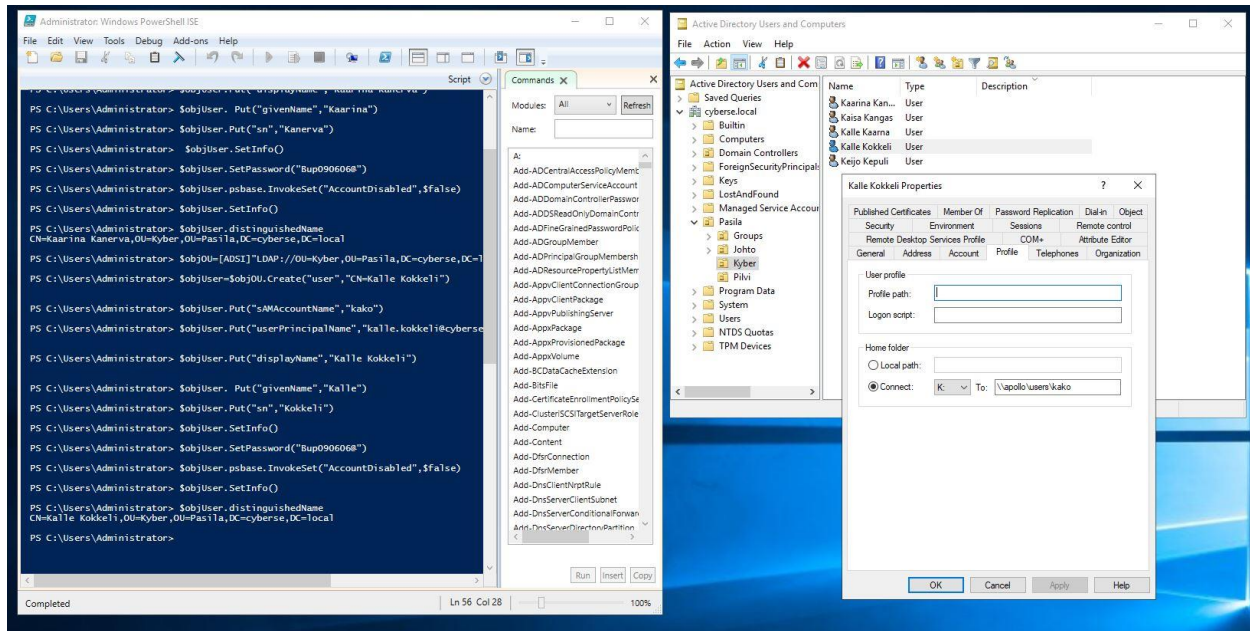
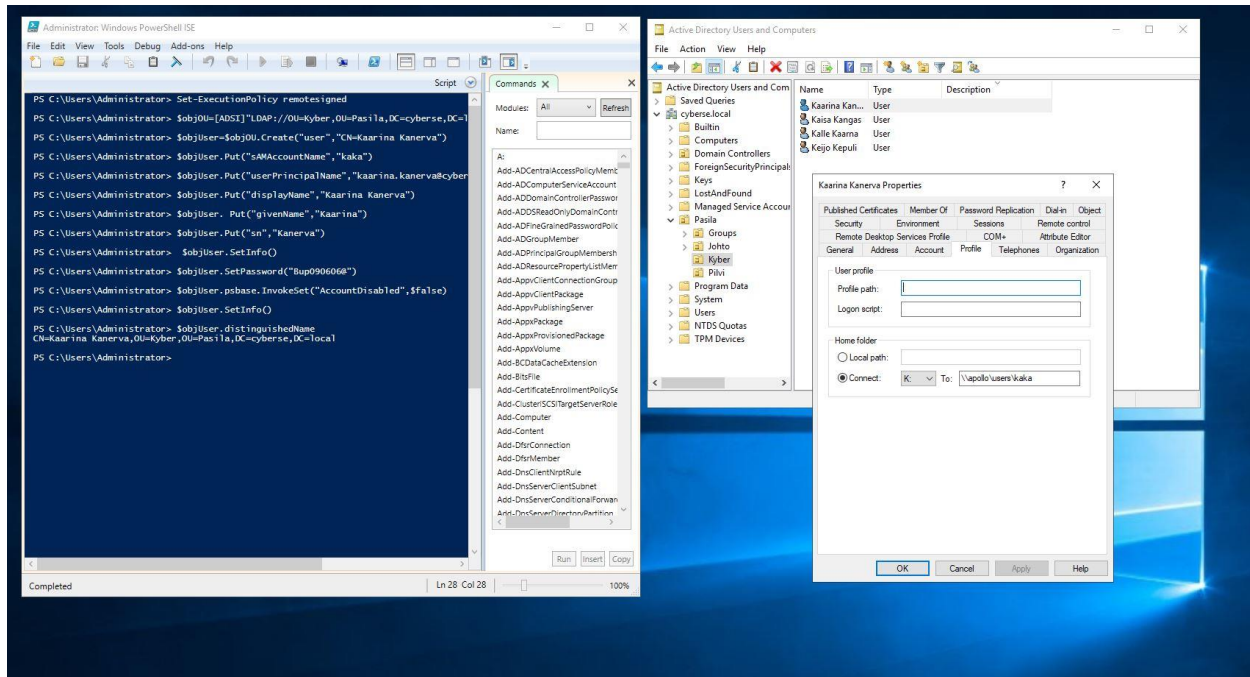
OK Cancel Apply

keskiviikko 20. maaliskuuta 2024

FIN 13.09
US 20.3.2024

Right Ctrl

Add users Kaarina Kanerva and Kalle Kokkeli to the Kyber organizational unit using the PowerShell ISE command.



Add user Juha Jokinen to the Management organizational unit with the VBScript command.

