

Enabling exchange account for users in Active Directory using power shell script

Contents

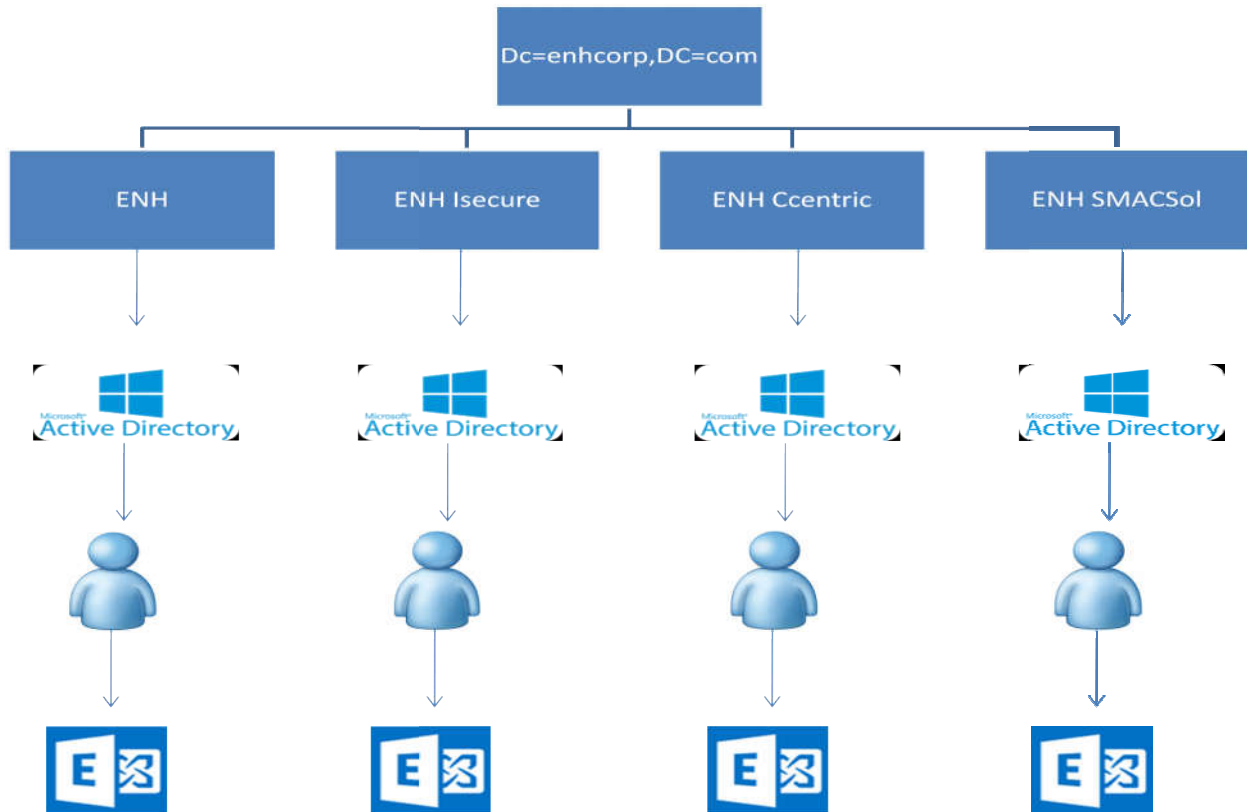
1. Introduction	2
2. Understanding the process	2
3. Exploring the script	3
4. Understanding the behavior	4

1. Introduction

In this document we are enabling the active directory user accounts and creating exchange mail id for the users in active directory using power shell script.

2. Understanding the process

The below diagram can explain the process we are doing in this exercise. The powershell we developed iterates over container we specified, enables the AD account and creates the exchange mail account as well.



3. Exploring the script

The following is the script developed for creating the exchange account for users.

```

Import-module activedirectory
Get-ADUser -Filter 'Name -like "*" ' -Searchbase
"OU=enh,dc=enhcorp,dc=com" | enable-adaccount
DSQUERY user "OU=ENH,dc=enhcorp,dc=com" -limit 0 | dsmod user -pwd
Windows@123
$users = Get-ADUser -filter 'name -like "*" ' -searchBase
"OU=ENH,DC=enhcorp,DC=com"
foreach($user in $users)
{
    Enable-Mailbox -Identity $user.SamAccountName
}

Get-ADUser -filter 'name -like "*" ' -searchBase "OU=ENH
SMACsol,DC=enhcorp,DC=com" | enable-adaccount
DSQUERY user "OU=ENH SMACsol,dc=enhcorp,dc=com" -limit 0 | dsmod user
-pwd Windows@123
$users = Get-ADUser -filter 'name -like "*" ' -searchBase "OU=ENH
SMACsol,DC=enhcorp,DC=com"
foreach($user in $users)
{
    Enable-Mailbox -Identity $user.SamAccountName
}

Get-ADUser -filter 'name -like "*" ' -searchBase "OU=ENH
Ccentric,DC=enhcorp,DC=com" | enable-adaccount
DSQUERY user "OU=ENH Ccentric,dc=enhcorp,dc=com" -limit 0 | dsmod user
-pwd Windows@123
$users = Get-ADUser -filter 'name -like "*" ' -searchBase "OU=ENH
Ccentric,DC=enhcorp,DC=com"
foreach($user in $users)
{
    Enable-Mailbox -Identity $user.SamAccountName
}

Get-ADUser -filter 'name -like "*" ' -searchBase "OU=ENH
Isecure,DC=enhcorp,DC=com" | enable-adaccount
DSQUERY user "OU=ENH Isecure,dc=enhcorp,dc=com" -limit 0 | dsmod user
-pwd Windows@123
$users = Get-ADUser -filter 'name -like "*" ' -searchBase "OU=ENH
Isecure,DC=enhcorp,DC=com"
foreach($user in $users)
{
    Enable-Mailbox -Identity $user.SamAccountName
}
  
```

4. Understanding the behavior

Let's discuss about the powershell script behavior while executing the script. In this document we are explaining about only one container because it is same for rest for all.

Line 1: `Import-module activedirectory`

This command is used to import all the necessary modules for active directory and required commands for it.

Line 2: `Get-ADUser -Filter 'Name -like "*" -Searchbase "OU=enh,dc=enhcorp,dc=com" | enable-adaccount`

The above command is used to iterate over the given search base and enables the active directory retrieved.

Line 3: `$users = Get-ADUser -filter 'name -like "*" -searchBase "OU=ENH,DC=enhcorp,DC=com"`

The above command is used to retrieve all the users into an array using the active directory query.

Line 4,5,and 6: `foreach($user in $users) { Enable-Mailbox -Identity $user.SamAccountName }`

From the array created in above line we are iterating in the array and creating the mailboxes respectively using the identity as SamAccountName.