

Powershell export AD users in OU to CSV

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#####
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```
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# WEBSITE : iTechguides.com
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# BLOG : iTechguides.com/blog-2/
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```
# CREATED : 08-08-2014
```

```
# UPDATED : 19-09-2014
```

```
# COMMENT : This script exports Active Directory users
```

```
# to a a csv file. v2.1 adds the condition to
```

```
# ignore all users with the info (Notes) field
```

```
# found on the Telephones tab containing the
```

```
# word 'Migrated'.
```

```
#####
```

```
#Define location of my script variable
```

```
#the -parent switch returns one directory lower from directory defined.
```

```
#below will return up to ImportADUsers folder
```

```
#and since my files are located here it will find it.
```

```
#It failes withpout appending "*.*" at the end
```

```
$path = Split-Path -parent "C:\Accent\ExportADUsers\*.*"
```

```
#Create a variable for the date stamp in the log file
```

```
$LogDate = get-date -f yyyyMMddhhmm
```

```
#Define CSV and log file location variables
```

```
#they have to be on the same location as the script
```

```
$csvfile = $path + "\ALLADUsers_{$logDate}.csv"
```

```
#import the ActiveDirectory Module
```

```
Import-Module ActiveDirectory
```

```
#Sets the OU to do the base search for all user accounts, change as required.
```

```
#Simon discovered that some users were missing
```

```
#I decided to run the report from the root of the domain
```

```
$SearchBase = "OU=Dumas,OU=RHSC,DC=RHSC,DC=local"
```

```
#Get Admin accountb credential
```

```
$GetAdminact = Get-Credential
```

```
#Define variable for a server with AD web services installed
```

```
$ADServer = 'RHSC-01-VSRV01'
```

```
#Find users that are not disabled
```

```
#To test, I moved the following users to the OU=ADMigration:
```

```
#Philip Steventon (kingston.gov.uk/RBK Users/ICT Staff/Philip Steventon) - Disabled account
```

```
#Joseph Martins (kingston.gov.uk/RBK Users/ICT Staff/Joseph Martins) - Disabled account
```

```
#may have to get accountb status with another AD object
```

```
#Define "Account Status"
```

```
#Added the Where-Object clause on 23/07/2014
```

```
#Requested by the project team. This 'flag field' needs
```

```
#updated in the import script when users fields are updated
```

```
#The word 'Migrated' is added in the Notes field, on the Telephone tab.
```

```
#The LDAP object name for Notes is 'info'.
```

```
$AllADUsers = Get-ADUser -server $ADServer `
```

```
-Credential $GetAdminact -searchbase $SearchBase `
```

```
-Filter * -Properties * | Where-Object {$_.info -NE 'Migrated'} #ensures that updated users are  
never exported.
```

\$AllADUsers |

Select-Object @{{Label = "First Name";Expression = {\$_.GivenName}}},

@{{Label = "Last Name";Expression = {\$_.Surname}}},

@{{Label = "Display Name";Expression = {\$_.DisplayName}}},

@{{Label = "Logon Name";Expression = {\$_.sAMAccountName}}},

@{{Label = "Full address";Expression = {\$_.StreetAddress}}},

@{{Label = "City";Expression = {\$_.City}}},

@{{Label = "State";Expression = {\$_.st}}},

@{{Label = "Post Code";Expression = {\$_.PostalCode}}},

@{{Label = "Country/Region";Expression = {if ((\$_.Country -eq 'GB')) {'United Kingdom'} Else {''}}}},

@{{Label = "Job Title";Expression = {\$_.Title}}},

@{{Label = "Company";Expression = {\$_.Company}}},

@{{Label = "Directorate";Expression = {\$_.Description}}},

@{{Label = "Department";Expression = {\$_.Department}}},

@{{Label = "Office";Expression = {\$_.OfficeName}}},

@{{Label = "Phone";Expression = {\$_.telephoneNumber}}},

@{{Label = "Email";Expression = {\$_.Mail}}},

@{{Label = "Manager";Expression = {%{(Get-AdUser \$_.Manager -server \$ADServer -Properties DisplayName).DisplayName}}}},

@{{Label = "Account Status";Expression = {if ((\$_.Enabled -eq 'TRUE')) {'Enabled'} Else {'Disabled'}}}}, # the 'if statement' replaces \$_.Enabled

@{{Label = "Last LogOn Date";Expression = {\$_.lastlogondate}} |

#Export CSV report

Export-Csv -Path \$csvfile -NoTypeInfoInformation

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