

Powershell

Para ejecutar el powershell desde el cuadro buscar→ powershell o desde consola ejecutamos

```
Powershell
```

El prompt cambiará y aparecerá como **PS C:\>**

Sacar información del directorio activo

Lo primero es carga el módulo del AD desde el powershell con

```
import-module ActiveDirectory
```

y si queremos sacar un listado po pantalla de equipos de nuestro dominio

```
Get-ADComputer -Filter * -Property * | Format-Table  
Name,OperatingSystem,OperatingSystemServicePack,OperatingSystemVersion -Wrap  
-Auto
```

que queremos el mismo listado para abrirlo desde un excel

```
Get-ADComputer -Filter * -Property * | Select-Object  
Name,OperatingSystem,OperatingSystemServicePack,OperatingSystemVersion |  
Export-CSV AllWindows.csv -NoTypeInformation -Encoding UTF8
```

Equipos que no han cambiado la password en 30 días

```
$d = [DateTime]::Today.AddDays(-30)  
Get-ADComputer -Filter 'PasswordLastSet -lt $d' -Properties  
PasswordLastSet | FT Name,PasswordLastSet
```

Usuarios que no han cambiado su contraseña en tres 180 días

```
$d = [DateTime]::Today.AddDays(-180)  
Get-ADUser -Filter 'PasswordLastSet -lt $d' -Properties PasswordLastSet  
| FT Name,PasswordLastSet
```

Usuarios que no requieren password

```
Get-ADUser -Filter 'userAccountControl -band 32' | FT Name
```

Otro valores que podemos utilizar en vez de 32

Active Directory userAccountControl Values:

Normal Day to Day Values:

```
=====
512 – Enable Account
514 – Disable account
544 – Account Enabled – Require user to change password at first logon
4096 – Workstation/server
66048 – Enabled, password never expires
66050 – Disabled, password never expires
262656 – Smart Card Logon Required
532480 – Domain controller
```

All Other Values:

```
=====
1 – script
2 – accountdisable
8 – homedir_required
16 – lockout
32 – passwd_notreqd
64 – passwd_cant_change
128 – encrypted_text_pwd_allowed
256 – temp_duplicate_account
512 – normal_account
2048 – interdomain_trust_account
4096 – workstation_trust_account
8192 – server_trust_account
65536 – dont_expire_password
131072 – mns_logon_account
262144 – smartcard_required
524288 – trusted_for_delegation
1048576 – not_delegated
2097152 – use_des_key_only
4194304 – dont_req_preauth
8388608 – password_expired
16777216 – trusted_to_auth_for_delegation
```

referencias

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