

powershell

## 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 -NoTypeInfoation -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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- <http://blogs.itpro.es/rtejero/2014/04/02/instalar-powershell-4-0-en-nuestros-clientes-y-servidores-s-windows-management-framework-4-0/>

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