

04-04 Performing AD Maintenance

Update server or client:

```
set-executionpolicy unrestricted -force
Install-Module PSWindowsUpdate
Get-WindowsUpdate
Install-WindowsUpdate
```

Now we can save this as a ps1 script and then run it. We can also push this out using group policy to any and all computers if we desire.

Checks we can perform:

```
Run antivirus check
Start-MpScan -ScanType QuickScan > c:\scanresults.txt
```

Run backups:

```
wbadmin start backup -backupTarget:E: -include:C:\data -quiet
> c:\backupresults.txt
```

Check for down automatic services:

```
Get-Service | Where-Object { $_.StartType -eq 'Automatic' -and
$_Status -ne 'Running' }
```

This command uses the Get-Service cmdlet to retrieve a list of all services on the system. It then uses the Where-Object cmdlet to filter the services based on *two conditions*:

1. `$_StartType -eq 'Automatic'` checks if the service's start type is set to "Automatic".
2. `$_Status -ne 'Running'` checks if the service's status is not "Running".

Check active directory replication:

```
Get-ADReplicationConnection
```

DC health check:

```
Invoke-Expression "dcdiag.exe /test:DNS /v" >
c:\dcdiagtest.txt
```