

# Quick commands (Windows)

## Nameresolution via other server than default

```
nslookup somewhere.com some.dns.server
```

## Get Windows client join status

```
dsregcmd /status
```

## Get applied GPO status on Windows client

```
gpresult /h C:\LocalData\GPResult.html
```

## Get RDS license status

```
(Invoke-WmiMethod -PATH (gwmi -namespace root\cimv2\terminalservices -class  
win32_terminalservicesetting).__PATH -name GetGracePeriodDays).daysleft
```

```
wmic /namespace:\\root\CIMV2\TerminalServices PATH Win32_TerminalServiceSetting WHERE (__CLASS != "")  
CALL GetGracePeriodDays
```

## Rejoin device to Microsoft Entra ID

```
dsregcmd /forcerecovery
```

## Restart Computer to BIOS/UEFI

```
shutdown /r /fw
```

## Delete specific files recursive

```
$source = "<sourcepath>"  
$fileextension = "<fileextension>"  
get-childitem $source -include *$fileextension | foreach ($_) {remove-item $_.fullname}
```

## Run PowerShell as admin from different session

```
Start-Process PowerShell -verb runas
```

## Get last reboot time

```
Get-WmiObject win32_operatingsystem | select csname,  
@{LABEL='LastBootUpTime';EXPRESSION={$_.ConverttoDateTime($_.lastbootuptime)}}
```

## Delete Windows Hello Container

```
certutil.exe -DeleteHelloContainer
```

## Reset Windows to Factory Settings

```
systemreset
```

# Set error action in PowerShell session

```
$erroractionpreference = "silentlycontinue"
```

## Test network connection

### Test TCP port

```
Test-NetConnection -ComputerName <youripaddress> -Port <yourport>
```

```
$ipaddress = "<youripaddress>"
$port = "<yourport>"
$connection = New-Object System.Net.Sockets.TcpClient($ipaddress, $port)
if ($connection.Connected) {
    Write-Host "Success"
} else {
    Write-Host "Failed"
}
```

### Test UDP port

```
$ipaddress = "<youripaddress>"
$port = "<yourport>"
$connection = New-Object System.Net.Sockets.UdpClient($ipaddress, $port)
if ($connection.Connected) {
    Write-Host "Success"
} else {
    Write-Host "Failed"
}
```

## Check if address goes through proxy

```
([System.Net.WebRequest]::GetSystemWebProxy()).getProxy("https://lucanoahcaprez.ch")
```

This returns an object containing the information about the connection. If the "Host" property does not contain the original requested URL, there is a setting on Windows present. This setting defines the Proxy and the address of the proxy can be viewed in the "Host" property on the response object of this command.

## Check NTP Server settings

```
w32tm /query /configuration
```

# Manage Local Windows Groups

## Add Microsoft Entra ID user to administrator group

```
$Email = ""  
Add-LocalGroupMember -SID "S-1-5-32-544" -Member "AzureAD\$Email"
```

## Add Microsoft Entra ID user to remote desktop group

```
$Email = ""  
Add-LocalGroupMember -SID "S-1-5-32-555" -Member "AzureAD\$Email"
```

# Open Windows Control Panel pages

## Printer overview

```
explorer shell:PrintersFolder
```

## Turn On/Off Windows Feature

```
optionalfeatures
```

## Advanced System Properties

```
SystemPropertiesAdvanced
```

# PowerShell Module Management

## List installed modules

```
Get-InstalledModule
```

# Manage Windows File System

## Add System Hardlink

```
mklink /d <C:\MyLocalFolder> <X:\MyRemoteFolder>
```

## System Context

### Use PSEXec to run something in system context

Download the latest version of Sysinternals's PSEXec: [PsExec - Sysinternals | Microsoft Learn](#)

```
.\PsExec.exe -i -s cmd.exe
```

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