

Enviar y ejecutar un comando por UDP entre un cliente y un servidor mediante PowerShell

Servidor que recibe el cmdlet y lo ejecuta

[crayon-6a9d679c4fb0a149019406/]

Cliente que manda el cmdlet al servidor

[crayon-6a9d679c4fb11762686447/]

The image displays two Windows PowerShell ISE windows side-by-side, illustrating a UDP-based command execution setup.

Left Window (Server Script):

```
1 $ip = New-Object System.Net.IPEndPoint ([IPAddress]::Loopback,0)
2 $udp = New-Object System.Net.Sockets.UdpClient 2020
3
4 [Text.Encoding]::ASCII.GetString($udp.Receive([ref]$ip)) | iex
5
6 $udp.Close()
```

The console output shows the command being received and executed:

```
PS C:\Users\juan> $ip = New-Object System.Net.IPEndPoint ([IPAddress]::Loopback,0)
$udp = New-Object System.Net.Sockets.UdpClient 2020

[Text.Encoding]::ASCII.GetString($udp.Receive([ref]$ip)) | iex

$udp.Close()

Directorio: C:\Users\juan
```

Mode	LastWriteTime	Length	Name
d----	08/07/2021 22:47		.android
d----	28/06/2021 12:19		.azure
d----	19/04/2021 18:47		.config
d----	29/08/2021 14:13		.dotnet
d----	13/12/2021 7:36		.eclipse
d----	30/03/2021 21:52		.fiddler
d----	06/06/2021 19:05		.librarymanager
d----	23/06/2021 17:47		.nuget
d----	24/05/2021 22:23		.ssh
d----	29/11/2021 8:59		.vscode
d-r---	09/09/2021 9:22		3D Objects
d-r---	19/03/2021 17:19		Contacts
d-r---	26/01/2022 21:47		Desktop
d-r---	29/11/2021 10:55		Documents

Right Window (Client Script):

```
1 $ip = New-Object System.Net.IPEndPoint ([IPAddress]::Loopback,2020)
2 $udp = New-Object System.Net.Sockets.UdpClient
3
4 # Enviar el cmdlet Get-ChildItem
5 $mensaje = [Text.Encoding]::ASCII.GetBytes("Get-ChildItem")
6 $udp.Send($mensaje,$mensaje.length,$ip) | Out-Null
7
8 $udp.Close()
```

The console output shows the command being sent and the script completion:

```
PS C:\Users\juan> $ip = New-Object System.Net.IPEndPoint ([IPAddress]::Loopback,2020)
$udp = New-Object System.Net.Sockets.UdpClient

# Enviar el cmdlet Get-ChildItem
$mensaje = [Text.Encoding]::ASCII.GetBytes("Get-ChildItem")
$udp.Send($mensaje,$mensaje.length,$ip) | Out-Null

$udp.Close()

PS C:\Users\juan>
```