

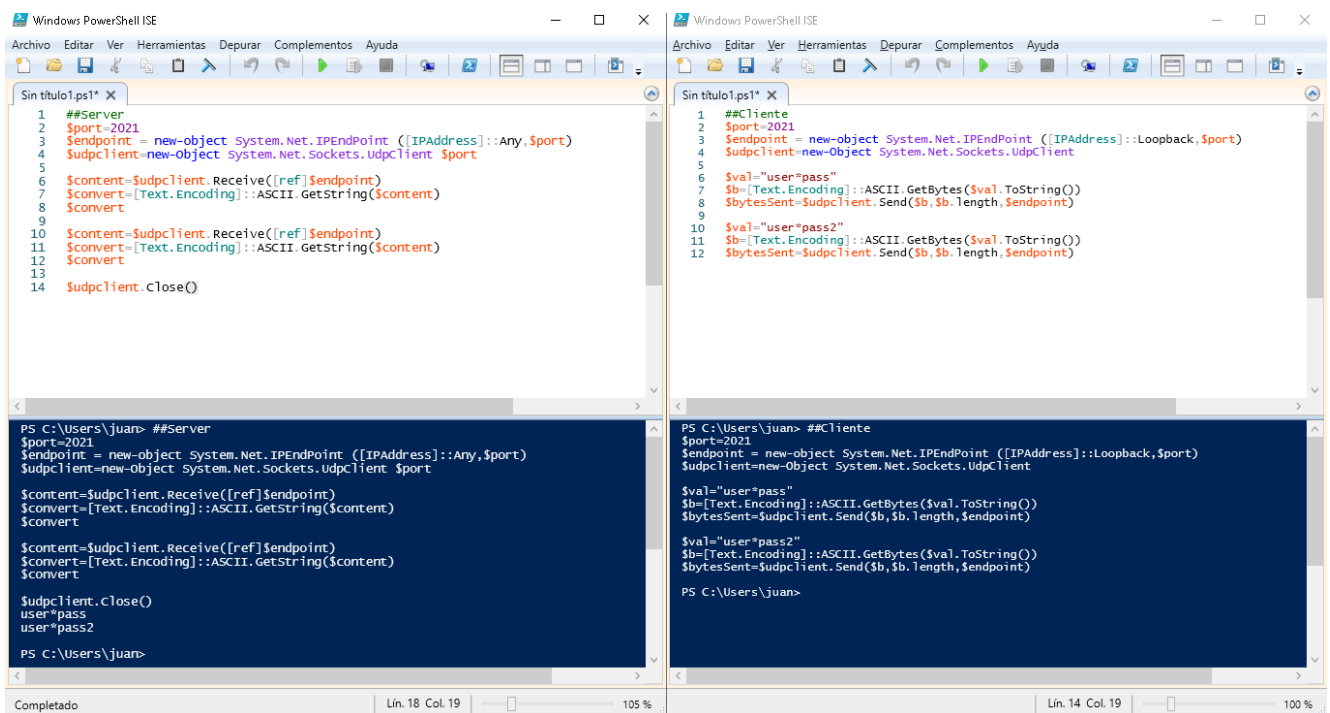
Enviar varios mensajes entre un cliente y un servidor utilizando el mismo canal de comunicación por UDP en PowerShell (hacerlo de forma simple)

Servidor

[crayon-6a9d698587525391010515/]

Cliente

[crayon-6a9d69858752d301641634/]



The image displays two side-by-side screenshots of Windows PowerShell ISE windows, illustrating a simple UDP communication between a server and a client.

Left Window (Server):

```
Sin título1.ps1* X
1 ##Server
2 $port=2021
3 $endpoint = new-object System.Net.IPEndPoint ([IPAddress]::Any,$port)
4 $udpclient=new-object System.Net.Sockets.UdpClient $port
5
6 $content=$udpclient.Receive([ref]$endpoint)
7 $convert=[Text.Encoding]::ASCII.GetString($content)
8 $convert
9
10 $content=$udpclient.Receive([ref]$endpoint)
11 $convert=[Text.Encoding]::ASCII.GetString($content)
12 $convert
13
14 $udpclient.Close()
```

Right Window (Client):

```
Sin título1.ps1* X
1 ##Cliente
2 $port=2021
3 $endpoint = new-object System.Net.IPEndPoint ([IPAddress]::Loopback,$port)
4 $udpclient=new-object System.Net.Sockets.UdpClient
5
6 $val="user*pass"
7 $b=[Text.Encoding]::ASCII.GetBytes($val.ToString())
8 $bytesSent=$udpclient.Send($b,$b.Length,$endpoint)
9
10 $val="user*pass2"
11 $b=[Text.Encoding]::ASCII.GetBytes($val.ToString())
12 $bytesSent=$udpclient.Send($b,$b.Length,$endpoint)
```

The terminal output for the server shows the received data:

```
PS C:\Users\juan> ##Server
$port=2021
$endpoint = new-object System.Net.IPEndPoint ([IPAddress]::Any,$port)
$udpclient=new-object System.Net.Sockets.UdpClient $port

$content=$udpclient.Receive([ref]$endpoint)
$convert=[Text.Encoding]::ASCII.GetString($content)
$convert

$content=$udpclient.Receive([ref]$endpoint)
$convert=[Text.Encoding]::ASCII.GetString($content)
$convert

$udpclient.Close()
user*pass
user*pass2
PS C:\Users\juan>
```

The terminal output for the client shows the sent data:

```
PS C:\Users\juan> ##Cliente
$port=2021
$endpoint = new-object System.Net.IPEndPoint ([IPAddress]::Loopback,$port)
$udpclient=new-object System.Net.Sockets.UdpClient

$val="user*pass"
$b=[Text.Encoding]::ASCII.GetBytes($val.ToString())
$bytesSent=$udpclient.Send($b,$b.Length,$endpoint)

$val="user*pass2"
$b=[Text.Encoding]::ASCII.GetBytes($val.ToString())
$bytesSent=$udpclient.Send($b,$b.Length,$endpoint)

PS C:\Users\juan>
```