

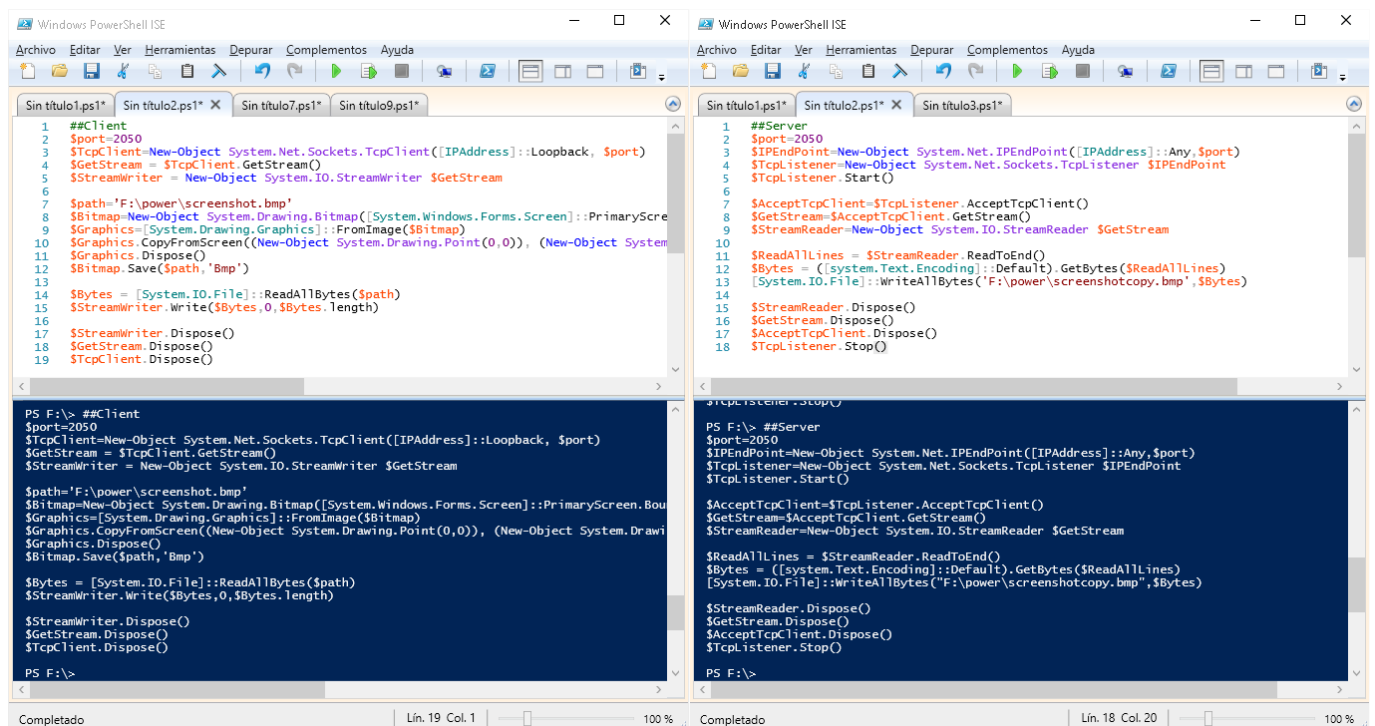
Transfer screenshot between server and client using PowerShell (Sockets TCP)

Server

[crayon-6a9d5fd189bb9251097016/]

Client

[crayon-6a9d5fd189bbf623541682/]



The image displays two side-by-side screenshots of the Windows PowerShell ISE (Integrated Scripting Environment) interface. The left window, titled 'Sin título1.ps1*', contains the code for a client script. The right window, titled 'Sin título3.ps1*', contains the code for a server script. Both scripts use the .NET Framework's System.Net.Sockets namespace to establish a TCP connection and transfer a screenshot of the client's primary screen.

```
1 ##Client
2 $port=2050
3 $TcpClient=New-Object System.Net.Sockets.TcpClient([IPAddress]::Loopback, $port)
4 $GetStream = $TcpClient.GetStream()
5 $StreamWriter = New-Object System.IO.StreamWriter $GetStream
6
7 $path='F:\power\screenshot.bmp'
8 $Bitmap=New-Object System.Drawing.Bitmap([System.Windows.Forms.Screen]::PrimaryScreen.Bounds.Width, [System.Windows.Forms.Screen]::PrimaryScreen.Bounds.Height)
9 $Graphics=[System.Drawing.Graphics]::FromImage($Bitmap)
10 $Graphics.CopyFromScreen((New-Object System.Drawing.Point(0,0)), (New-Object System.Drawing.Point(0,0)), $Bitmap)
11 $Graphics.Dispose()
12 $Bitmap.Save($path, 'Bmp')
13
14 $Bytes = [System.IO.File]::ReadAllBytes($path)
15 $StreamWriter.Write($Bytes, 0, $Bytes.Length)
16
17 $StreamWriter.Dispose()
18 $GetStream.Dispose()
19 $TcpClient.Dispose()
```

```
1 ##Server
2 $port=2050
3 $IPEndPoint=New-Object System.Net.IPEndPoint([IPAddress]::Any, $port)
4 $TcpListener=New-Object System.Net.Sockets.TcpListener $IPEndPoint
5 $TcpListener.Start()
6
7 $AcceptTcpClient=$TcpListener.AcceptTcpClient()
8 $GetStream=$AcceptTcpClient.GetStream()
9 $StreamReader=New-Object System.IO.StreamReader $GetStream
10
11 $ReadAllLines = $StreamReader.ReadToEnd()
12 $Bytes = ([System.Text.Encoding]::Default).GetBytes($ReadAllLines)
13 [System.IO.File]::WriteAllBytes('F:\power\screenshotcopy.bmp', $Bytes)
14
15 $StreamReader.Dispose()
16 $GetStream.Dispose()
17 $AcceptTcpClient.Dispose()
18 $TcpListener.Stop()
```