

Powershell Trick : Execute or run any file as a script file

This blog post is addition to my earlier article [Different ways to bypass Powershell execution policy :ps1 cannot be loaded because running scripts is disabled](#). Just to recap If you have execution policy blocked in your environment and want to execute files in PowerShell, you can compile the file to PowerShell ScriptBlock using .net object. In the screen shot right side is my text file with sample content.

First line of the script is reading text file, using -Raw parameter, will return all data as single string. This is required in next line of code.

\$AnyFile = Get-Content C:\temp\AnyFile.txt -Raw

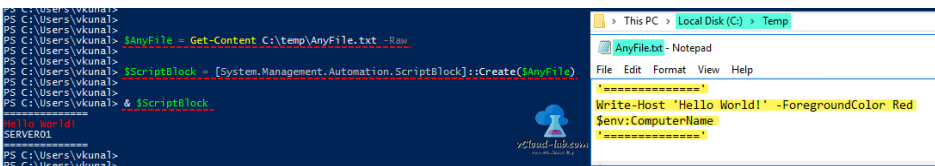
In next I am using .net object System.Management.Automation.ScriptBlock and method create to compile text content to script block.

\$ScriptBlock =

[System.Management.Automation.ScriptBlock]::Create(\$AnyFile)

Using **&** I can easily execute the this compiled and formatted text file.

& \$ScriptBlock



Check the gettype() and its fullname results, information is perfect for execution.

PS C:\> **\$ScriptBlock.GetType()**

IsPublic	IsSerial Name	BaseType
True	True	ScriptBlock
		System.Object

PS C:\> **\$ScriptBlock.GetType().FullName**

System.Management.Automation.ScriptBlock

```

PS C:\Users\vkunal>
PS C:\Users\vkunal>
PS C:\Users\vkunal> $ScriptBlock.GetType()

IsPublic IsSerial Name                                     BaseType
-----
True     True     ScriptBlock                                     System.Object

PS C:\Users\vkunal>
PS C:\Users\vkunal>
PS C:\Users\vkunal>
PS C:\Users\vkunal> $ScriptBlock.GetType().FullName
System.Management.Automation.ScriptBlock
PS C:\Users\vkunal>
PS C:\Users\vkunal>
PS C:\Users\vkunal>

```

I have converted this script to function and it can be stored in PowerShell \$PROFILE and can be invoked any time as below.

```

Invoke-FileAsScript -Path C:\Temp\Text.txt
Hello-World!
HostName is JUMBOPC

```

```

1  Function Invoke-FileAsScript {
2  Param (
3      [CmdletBinding()]
4      [ValidateScript({
5          If(Test-Path $_){$true}else{throw "Inv
6      })]
7      [string]$Path
8  )
9      $AnyFile = Get-Content -Path $Path -Raw
10     $ScriptBlock = [System.Management.Automation]
11     & $ScriptBlock
12 }
13

```

14 ▾ Invoke-FileAsScript -Path C:\Temp\Text.txt

