

# .. /csi.exe

Execute

Command line interface included with Visual Studio.

## Paths:

c:\Program Files (x86)\Microsoft Visual Studio\2017\Community\MSBuild\15.0\Bin\Roslyn\csi.exe  
 c:\Program Files (x86)\Microsoft Web Tools\Packages\Microsoft.Net.Compilers.X.Y.Z\tools\csi.exe

## Resources:

- <https://twitter.com/subTee/status/781208810723549188>
- <https://enigma0x3.net/2016/11/17/bypassing-application-whitelisting-by-using-dnx-exe/>

## Acknowledgements:

- Casey Smith (@subtee)

## Detections:

- Sigma: [https://github.com/SigmaHQ/sigma/blob/c04bef2fbbe8beff6c7620d5d7ea6872dbe7acba/rules/windows/process\\_creation/proc\\_creation\\_win\\_csi\\_execution.yml](https://github.com/SigmaHQ/sigma/blob/c04bef2fbbe8beff6c7620d5d7ea6872dbe7acba/rules/windows/process_creation/proc_creation_win_csi_execution.yml)
- Sigma: [https://github.com/SigmaHQ/sigma/blob/683b63f8184b93c9564c4310d10c571cbe367e1e/rules/windows/process\\_creation/proc\\_creation\\_win\\_csi\\_use\\_of\\_csharp\\_console.yml](https://github.com/SigmaHQ/sigma/blob/683b63f8184b93c9564c4310d10c571cbe367e1e/rules/windows/process_creation/proc_creation_win_csi_use_of_csharp_console.yml)
- Elastic: [https://github.com/elastic/detection-rules/blob/414d32027632a49fb239abb8fbbb55d3fa8dd861/rules/windows/defense\\_evasion\\_unusual\\_process\\_network\\_connection.toml](https://github.com/elastic/detection-rules/blob/414d32027632a49fb239abb8fbbb55d3fa8dd861/rules/windows/defense_evasion_unusual_process_network_connection.toml)
- Elastic: [https://github.com/elastic/detection-rules/blob/414d32027632a49fb239abb8fbbb55d3fa8dd861/rules/windows/defense\\_evasion\\_network\\_connection\\_from\\_windows\\_binary.toml](https://github.com/elastic/detection-rules/blob/414d32027632a49fb239abb8fbbb55d3fa8dd861/rules/windows/defense_evasion_network_connection_from_windows_binary.toml)
- BlockRule: <https://docs.microsoft.com/en-us/windows/security/threat-protection/windows-defender-application-control/microsoft-recommended-block-rules>

## Execute

Use csi.exe to run unsigned C# code.

csi.exe file

**Use case:** Local execution of unsigned C# code.  
**Privileges required:** User  
**Operating systems:** Windows  
**ATT&CK® technique:** T1127