.../Cdb.exe



Debugging tool included with Windows Debugging Tools.

Paths:

C:\Program Files (x86)\Windows Kits\10\Debuggers\x64\cdb.exe C:\Program Files (x86)\Windows Kits\10\Debuggers\x86\cdb.exe

Resources:

- http://www.exploit-monday.com/2016/08/windbg-cdb-shellcode-runner.html
- https://docs.microsoft.com/en-us/windows-hardware/drivers/debugger/cdb-command-line-options
- https://gist.github.com/mattifestation/94e2b0a9e3fe1ac0a433b5c3e6bd0bda
- https://mrd0x.com/the-power-of-cdb-debugging-tool/
- https://twitter.com/nas_bench/status/1534957360032120833

Acknowledgements:

- Matt Graeber (<u>@mattifestation</u>)
- mr.d0x (@mrd0x)
- Spooky Sec (@sec spooky)
- Nasreddine Bencherchali (<u>@nas_bench</u>)

Detections:

Sigma:

https://github.com/SigmaHQ/sigma/blob/683b63f8184b93c9564c4310d10c571cbe367e1e/rules/windows/process_creation/proc_creation_win_lolbin_cdb.yml

• Elastic: https://github.com/elastic/detection-

rules/blob/414d32027632a49fb239abb8fbbb55d3fa8dd861/rules/windows/defense_evasion_unusual_process_net work_connection.toml

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rules/blob/414d32027632a49fb239abb8fbbb55d3fa8dd861/rules/windows/defense_evasion_network_connection_f rom_windows_binary.toml

• BlockRule: https://docs.microsoft.com/en-us/windows/security/threat-protection/windows-defender-application-control/microsoft-recommended-block-rules

Execute

. Launch 64-bit shellcode from the x64 calc.wds file using cdb.exe.

cdb.exe -cf x64_calc.wds -o notepad.exe

Use case: Local execution of assembly shellcode.

Privileges required: User
Operating systems: Windows

ATT&CK® technique: T1127

. Attaching to any process and executing shell commands.

```
cdb.exe -pd -pn coss_name>
.shell <cmd>
```

Use case: Run a shell command under a trusted Microsoft signed binary

Privileges required: User
Operating systems: Windows
ATT&CK® technique: T1127

. Execute arbitrary commands and binaries using a debugging script (see Resources section for a sample file).

```
cdb.exe -c C:\debug-script.txt calc
```

Use case: Run commands under a trusted Microsoft signed binary

Privileges required: User
Operating systems: Windows
ATT&CK® technique: T1127