

We're continuing to fight for universal access to quality information—and you can help as we continue to make improvements. Will you join in?

https://github.com/klinix5/InstallerFileTakeOver

Go

JAN

APR

JUN

21
2022

2023

About this capture

54 captures

22 Nov 2021 - 14 Jun 2024



Sign up



klinix5 / **InstallerFileTakeOver** Public

Notifications

Fork 422

Star 1.7k

<> Code

Issues 1

Pull requests

Actions

Projects

Wiki

Security

Insights

main

Go to file

Code

About

No description, website, or topics provided.

Readme

MIT License

1.7k stars

57 watching

422 forks

Releases

No releases published

Packages

No packages published



klinix5 Update README.md ...

on 20 Dec 2021 22

InstallerFileTa... Add files via upload 5 months ago

test pkg Add files via upload 5 months ago

LICENSE Initial commit 5 months ago

README.md Update README.md 4 months ago

Untitled2.jpg Add files via upload 5 months ago

README.md

InstallerFileTakeOver



Fixed as CVE-2021-43883 in December 2021 patch

As some of you may notice, this also works in server installations. While Group Policy by default doesn't allow standard users to do any msi operation, the administrative install feature seems to be completely bypassing group policy.

[54 captures](#)

22 Nov 2021 - 14 Jun 2024

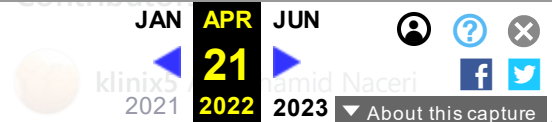
This variant was discovered during the analysis of CVE-2021-41379 patch. the bug was not fixed correctly, however, instead of dropping the bypass. I have chosen to actually drop this variant as it is more powerful than the original one.

I've also made sure that the proof of concept is extremely reliable and doesn't require anything, it works in every attempt. This proof of concept overwrites Microsoft Edge elevation service "DACL" and copies itself to the service location, then executes it to gain elevated privileges. While this technique may not work on every installation, because windows installations such as Server 2016 & 2019 may not have the elevation service. That's why I deliberately left the code, to take over files, so any file specified asme the first argument will be taken over, with the condition that the SYSTEM account must have access to it, and the file must not be in use. So you can elevate privileges yourself.

The best workaround available at the time of writing this, is to wait for Microsoft to release a security patch. Due to the complexity of this vulnerability, any attempt to patch the binary directly will break Windows Installer. So you'd better wait and see how/if Microsoft will screw the patch up again.

Final note, while I was working on the CVE-2021-41379 patch bypass. I was successfully able to produce 2 msi packages, each of them trigger a unique behaviour in Windows Installer Service. One of them is the bypass of CVE-2021-41379 and this one. I've decided to not release the second version until Microsoft patches this one. So be ready!

Contributors



OdayCTF Ryan Montgomery

Languages



