

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

https://github.com/zerosum0x0/CVE-2019-0708
 Go
 MAY 2018
 JUL 10 2019
 FEB 2020
 About this capture

Why GitHub?
 Enterprise
 Explore
 Marketplace
 Pricing
 Search
 Sign in
 Sign up

zerosum0x0 / CVE-2019-0708
 Watch 64
 Star 886
 Fork 258

Code
 Issues 5
 Pull requests 2
 Projects 0
 Security
 Insights

Join GitHub today
 Dismiss

GitHub is home to over 36 million developers working together to host and review code, manage projects, and build software together.
 Sign up

Scanner PoC for CVE-2019-0708 RDP RCE vuln

54 commits
 1 branch
 0 releases
 3 contributors
 Apache-2.0

Branch: master
 New pull request
 Find File
 Clone or download

zerosum0x0	Update README.md	Latest commit 069344c May 31, 2019
docker	Added a Docker image that builds from source	May 22, 2019
rdesktop-fork-bd6aa6acddf0ba640a4...	Fixed exit code so that it is consistent	May 23, 2019
.gitignore	Initial commit	May 22, 2019
Dockerfile	Added a Docker image that builds from source	May 22, 2019
LICENSE	Initial commit	May 22, 2019
README.md	Update README.md	May 31, 2019
cve_2019_0708_bluekeep.rb	auxiliary/scanner/rdp/cve_2019_0708_bluekeep is in rapid7:master	May 24, 2019
scan_with_docker.py	Exit if there's no hosts to scan	May 23, 2019
screenshot.png	add screenshot	May 22, 2019

README.md

# CVE-2019-0708



```
make
./rdesktop 192.168.1.7:3389
```

24 captures

24 May 2019 - 27 Mar 2024



to the normal rdesktop compilation instructions or have a look at how the Docker image is built.

## Docker Instructions

You can also build from source using the Dockerfile and then run rdesktop using that image:

```
docker build . -t cve-2019-0708:latest
docker run cve-2019-0708:latest 192.168.1.7:3389
```

To scan a subnet or hosts indexed by Shodan, build the Docker image and run scan\_with\_docker.py:

```
./scan_with_docker.py 'asn:ASXXXX port:3389'
Not a valid subnet. Trying to use as Shodan search terms ...
Shodan search returned 498 hosts, press enter to start scan
Vulnerable hosts:
x.x.x.x
x.x.x.x
[...]

./scan_with_docker.py 192.168.1.0/24
Vulnerable hosts:
192.168.1.28
192.168.1.30
[...]
```

## Is this dangerous?

Small details of the vulnerability have already begun to reach mainstream. This tool does not grant attackers a free ride to a theoretical RCE.

Modifying this PoC to trigger the denial-of-service does lower the bar of entry but will also require some amount of effort. We did not originally offer an explanation of how this scanner works other than to tell the user it seems to be accurate in testing and follows a logical path.

System administrators need tools like this to discover vulnerable hosts. This tool is offered for legal purposes only and to forward the security community's understanding of this vulnerability. As this PoC actively exploits the vulnerability, do not use against targets without prior permission.

## Contributors

- [JaGoTu](#)
- [zerosum0x0](#)
- [SUNET](#)

## License

rdesktop fork is licensed as GPLv3.

Metasploit module is licensed as Apache 2.0.

[24 captures](#)

24 May 2019 - 27 Mar 2024

MAY

2018

◀

JUL

10

2019

▶

FEB

2020

👤

?

✕

f

t

▼

About this capture