




**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>


MAY

JUL

FEB




10

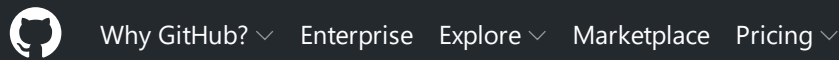
2018



2019

2020

 About this capture



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](#)

Dismiss

## Join GitHub today

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