



# CVE-2021-3974

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2021-3974                                |
| <b>State</b>           | PUBLIC                                       |
| <b>Assigner</b>        | security@huntr.dev                           |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback |
| <b>Published</b>       | 2021-11-19 11:15:00 UTC                      |
| <b>Updated</b>         | 2023-11-07 03:38:00 UTC                      |
| <b>Description</b>     | vim is vulnerable to Use After Free          |

## Risk And Classification

**Problem Types:** CWE-416

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                        | Product                      | Version | Update | Edition | Language |
|------------------|-------------------------------|------------------------------|---------|--------|---------|----------|
| Operating System | <a href="#">Debian</a>        | <a href="#">Debian Linux</a> | 10.0    | All    | All     | All      |
| Operating System | <a href="#">Debian</a>        | <a href="#">Debian Linux</a> | 9.0     | All    | All     | All      |
| Operating System | <a href="#">Fedoraproject</a> | <a href="#">Fedora</a>       | 34      | All    | All     | All      |
| Operating System | <a href="#">Fedoraproject</a> | <a href="#">Fedora</a>       | 35      | All    | All     | All      |
| Application      | <a href="#">Vim</a>           | <a href="#">Vim</a>          | All     | All    | All     | All      |

## References

| Reference  | Source  | Link  | Tags |
|--|---------|---|------|
| [SECURITY] [DLA 3182-1] vim security update  | MLIST   | <a href="https://lists.debian.org">lists.debian.org</a>               |      |
| oss-security - Re: 3 new CVE's in vim  | MLIST   | <a href="https://www.openwall.com">www.openwall.com</a>               |      |
| [SECURITY] Fedora 34 Update: vim-8.2.3755-1.fc34 - package-announce - Fedora Mailing-Lists |         | <a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a> |      |
| Vim, gVim: Multiple Vulnerabilities (GLSA 202208-32) — Gentoo security                     | GENTOO  | <a href="https://security.gentoo.org">security.gentoo.org</a>         |      |
| huntr – the Bug Bounty Platform for any GitHub repository                                  | CONFIRM | <a href="https://huntr.dev">huntr.dev</a>                             |      |
| [SECURITY] Fedora 35 Update: vim-8.2.3642-1.fc35 - package-announce - Fedora Mailing-Lists |         | <a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a> |      |
| [SECURITY] [DLA 2947-1] vim security update  | MLIST   | <a href="https://lists.debian.org">lists.debian.org</a>               |      |
| [SECURITY] Fedora 34 Update: vim-8.2.3755-1.fc34 - package-announce - Fedora Mailing-Lists | FEDORA  | <a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a> |      |
| [SECURITY] Fedora 35 Update: vim-8.2.3642-1.fc35 - package-announce - Fedora Mailing-Lists | FEDORA  | <a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a> |      |
| patch 8.2.3612: using freed memory with regexp using a mark - vim/vim@64066b9 - GitHub     | MISC    | <a href="https://github.com">github.com</a>                           |      |

CVE Program record

CVE.ORG

[www.cve.org](https://www.cve.org)

cano

NVD vulnerability detail

NVD

[nvd.nist.gov](https://nvd.nist.gov)

cano

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

[179126](#) Debian Security Update for vim (DLA 2947-1)

[181198](#) Debian Security Update for vim (DLA 3182-1)

[183520](#) Debian Security Update for vim (CVE-2021-3974)

[198647](#) Ubuntu Security Notification for Vim Vulnerabilities (USN-5247-1)

[282117](#) Fedora Security Update for vim (FEDORA-2021-b0ac29efb1)

[282141](#) Fedora Security Update for vim (FEDORA-2021-5cd9df120e)

[296061](#) Oracle Solaris 11.4 Support Repository Update (SRU) 42.113.1 Missing (GPUJAN2022)

[353078](#) Amazon Linux Security Advisory for vim : ALAS2-2021-1728

[353117](#) Amazon Linux Security Advisory for vim : ALAS-2022-1557

[353120](#) Amazon Linux Security Advisory for vim : ALAS2-2022-1743

[354406](#) Amazon Linux Security Advisory for vim : ALAS2022-2021-005

[354497](#) Amazon Linux Security Advisory for vim : ALAS2022-2022-155

[354585](#) Amazon Linux Security Advisory for vim : ALAS-2022-155

[355135](#) Amazon Linux Security Advisory for vim : ALAS2023-2023-098

[500728](#) Alpine Linux Security Update for vim

[504502](#) Alpine Linux Security Update for vim

[671261](#) EulerOS Security Update for vim (EulerOS-SA-2022-1193)

[671346](#) EulerOS Security Update for vim (EulerOS-SA-2022-1283)

[671387](#) EulerOS Security Update for vim (EulerOS-SA-2022-1297)

[671390](#) EulerOS Security Update for vim (EulerOS-SA-2022-1313)

[671495](#) EulerOS Security Update for vim (EulerOS-SA-2022-1470)

[671517](#) EulerOS Security Update for vim (EulerOS-SA-2022-1479)

[710607](#) Gentoo Linux Vim, gVim Multiple Vulnerabilities (GLSA 202208-32)

752246 SUSE Enterprise Linux Security Update for vim (SUSE-SU-2022:2102-1)

753066 SUSE Enterprise Linux Security Update for vim (SUSE-SU-2022:4619-1)

900360 Common Base Linux Mariner (CBL-Mariner) Security Update for vim (6235)

901232 Common Base Linux Mariner (CBL-Mariner) Security Update for vim (6947-1)

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