



CVE-2021-4173

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2021-4173
State	PUBLIC
Assigner	security@huntr.dev
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-12-27 13:15:00 UTC
Updated	2023-11-07 03:40:00 UTC
Description	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	Apple	Macos	All	All	All	All
Operating System	Apple	Macos	10.15.7	All	All	All
Operating System	Apple	Macos	10.15.7	security_update_2020-001	All	All
Operating System	Apple	Macos	10.15.7	security_update_2021-001	All	All
Operating System	Apple	Macos	10.15.7	security_update_2021-002	All	All
Operating System	Apple	Macos	10.15.7	security_update_2021-003	All	All
Operating System	Apple	Macos	10.15.7	security_update_2021-004	All	All
Operating System	Apple	Macos	10.15.7	security_update_2021-005	All	All
Operating System	Apple	Macos	10.15.7	security_update_2021-006	All	All
Operating System	Apple	Macos	10.15.7	security_update_2021-007	All	All
Operating System	Apple	Macos	10.15.7	security_update_2021-008	All	All
Operating System	Apple	Macos	10.15.7	security_update_2022-001	All	All
Operating System	Apple	Macos	10.15.7	security_update_2022-002	All	All
Operating System	Apple	Macos	10.15.7	security_update_2022-003	All	All
Operating System	Apple	Macos	10.15.7	security_update_2022-004	All	All
Operating System	Apple	Mac Os X	10.15.7	All	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2020-001	All	All

Operating System	Apple	Mac Os X	10.15.7	security_update_2021-001	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-002	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-003	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-004	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-005	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-006	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-007	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-008	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2022-001	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2022-002	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2022-003	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Application	Vim	Vim	All	All	All	All

References

Reference	Source	Link	Tags
[SECURITY] Fedora 35 Update: vim-8.2.4006-1.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org	
huntr – the Bug Bounty Platform for any GitHub repository	CONFIRM	huntr.dev	
About the security content of macOS Big Sur 11.6.6 - Apple Support	CONFIRM	support.apple.com	
oss-security - Re: 3 new CVE's in vim	MLIST	www.openwall.com	
Full Disclosure: APPLE-SA-2022-03-14-4 macOS Monterey 12.3	FULLDISC	seclists.org	
Vim, gVim: Multiple Vulnerabilities (GLSA 202208-32) — Gentoo security	GENTOO	security.gentoo.org	
[SECURITY] Fedora 34 Update: vim-8.2.4068-1.fc34 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org	
[SECURITY] Fedora 34 Update: vim-8.2.4068-1.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org	
Full Disclosure: APPLE-SA-2022-05-16-3 macOS Big Sur 11.6.6	FULLDISC	seclists.org	
About the security content of Security Update 2022-005 Catalina - Apple Support	CONFIRM	support.apple.com	
patch 8.2.3902: Vim9: double free with nested :def function · vim/vim@9c23f9b · GitHub	MISC	github.com	
About the security content of macOS Monterey 12.3 - Apple Support (PH)	CONFIRM	support.apple.com	
Full Disclosure: APPLE-SA-2022-07-20-4 Security Update 2022-005 Catalina	FULLDISC	seclists.org	
[SECURITY] Fedora 35 Update: vim-8.2.4006-1.fc35 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org	
CVE Program record	CVE.ORG	www.cve.org	cano
NVD vulnerability detail	NVD	nvd.nist.gov	cano

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

183318 Debian Security Update for vim (CVE-2021-4173)

282219 Fedora Security Update for vim (FEDORA-2022-a3d70b50f0)

282279 Fedora Security Update for vim (FEDORA-2022-48b86d586f)

296063 Oracle Solaris 11.4 Support Repository Update (SRU) 45.119.2 Missing (CPUAPR2022)

353117 Amazon Linux Security Advisory for vim : ALAS-2022-1557

353120 Amazon Linux Security Advisory for vim : ALAS2-2022-1743

354382 Amazon Linux Security Advisory for vim : ALAS2022-2022-014

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

376485 Apple MacOS Monterey 12.3 Not Installed (HT213183)

376608 Apple MacOS Big Sur 11.6.6 Not Installed (HT213256)

376739 Apple macOS Security Update 2022-005 Catalina (HT213343)

500730 Alpine Linux Security Update for vim

503065 Alpine Linux Security Update for vim

503333 Alpine Linux Security Update for vim

503407 Alpine Linux Security Update for vim

503496 Alpine Linux Security Update for vim

503523 Alpine Linux Security Update for vim

503571 Alpine Linux Security Update for vim

503608 Alpine Linux Security Update for vim

503639 Alpine Linux Security Update for vim

503658 Alpine Linux Security Update for vim

505951 Alpine Linux Security Update for vim

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

900499 Common Base Linux Mariner (CBL-Mariner) Security Update for vim (7076)

901928 Common Base Linux Mariner (CBL-Mariner) Security Update for vim (7084-1)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)