



# CVE-2021-4166

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

## Summary

<b>CVE</b>	CVE-2021-4166
<b>State</b>	PUBLIC
<b>Assigner</b>	security@huntr.dev
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-12-25 19:15:00 UTC
<b>Updated</b>	2023-11-07 03:40:00 UTC
<b>Description</b>	vim is vulnerable to Out-of-bounds Read

## Risk And Classification

**Problem Types:** CWE-125

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	All	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2020-001	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2021-001	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2021-002	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2021-003	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2021-004	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2021-005	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2021-006	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2021-007	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2021-008	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2022-001	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2022-002	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2022-003	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Macos</a>	10.15.7	security_update_2022-004	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2020-001	All	All

Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2021-001	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2021-002	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2021-003	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2021-004	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2021-005	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2021-006	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2021-007	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2021-008	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2022-001	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2022-002	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	10.15.7	security_update_2022-003	All	All
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>	11.0	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="#">Opensuse</a>	<a href="#">Factory</a>	-	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All
Operating System	<a href="#">Suse</a>	<a href="#">Linux Enterprise</a>	12.0	All	All	All
Operating System	<a href="#">Suse</a>	<a href="#">Linux Enterprise</a>	15.0	All	All	All
Application	<a href="#">Vim</a>	<a href="#">Vim</a>	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	<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
About the security content of macOS Big Sur 11.6.6 - Apple Support	CONFIRM	<a href="https://support.apple.com">support.apple.com</a>	
oss-security - Re: 3 new CVE's in vim	MLIST	<a href="https://www.openwall.com">www.openwall.com</a>	
Full Disclosure: APPLE-SA-2022-03-14-4 macOS Monterey 12.3	FULLDISC	<a href="https://seclists.org">seclists.org</a>	
Vim, gVim: Multiple Vulnerabilities (GLSA 202208-32) — Gentoo security	GENTOO	<a href="https://security.gentoo.org">security.gentoo.org</a>	
patch 8.2.3884: crash when clearing the argument list while using it · vim/vim@6f98371 · GitHub	MISC	<a href="https://github.com">github.com</a>	
[SECURITY] Fedora 34 Update: vim-8.2.4068-1.fc34 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
[SECURITY] Fedora 34 Update: vim-8.2.4068-1.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
Full Disclosure: APPLE-SA-2022-05-16-3 macOS Big Sur 11.6.6	FULLDISC	<a href="https://seclists.org">seclists.org</a>	
Out-of-bounds Read vulnerability found in vim	CONFIRM	<a href="https://huntr.dev">huntr.dev</a>	
About the security content of Security Update 2022-005 Catalina - Apple Support	CONFIRM	<a href="https://support.apple.com">support.apple.com</a>	
About the security content of macOS Monterey 12.3 - Apple Support (PH)	CONFIRM	<a href="https://support.apple.com">support.apple.com</a>	

Full Disclosure: APPLE-SA-2022-07-20-4 Security Update 2022-005 Catalina	FULLDISC	<a href="https://seclists.org">seclists.org</a>	
[SECURITY] Fedora 35 Update: vim-8.2.4006-1.fc35 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	cano
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	cano

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">184066</a> Debian Security Update for vim (CVE-2021-4166)
<a href="#">199293</a> Ubuntu Security Notification for Vim Vulnerabilities (USN-6026-1)
<a href="#">282219</a> Fedora Security Update for vim (FEDORA-2022-a3d70b50f0)
<a href="#">282279</a> Fedora Security Update for vim (FEDORA-2022-48b86d586f)
<a href="#">296063</a> Oracle Solaris 11.4 Support Repository Update (SRU) 45.119.2 Missing (CPUAPR2022)
<a href="#">353117</a> Amazon Linux Security Advisory for vim : ALAS-2022-1557
<a href="#">353120</a> Amazon Linux Security Advisory for vim : ALAS2-2022-1743
<a href="#">354382</a> Amazon Linux Security Advisory for vim : ALAS2022-2022-014
<a href="#">354497</a> Amazon Linux Security Advisory for vim : ALAS2022-2022-155
<a href="#">354585</a> Amazon Linux Security Advisory for vim : ALAS-2022-155
<a href="#">355135</a> Amazon Linux Security Advisory for vim : ALAS2023-2023-098
<a href="#">376485</a> Apple MacOS Monterey 12.3 Not Installed (HT213183)
<a href="#">376608</a> Apple MacOS Big Sur 11.6.6 Not Installed (HT213256)
<a href="#">376739</a> Apple macOS Security Update 2022-005 Catalina (HT213343)
<a href="#">500730</a> Alpine Linux Security Update for vim
<a href="#">503065</a> Alpine Linux Security Update for vim
<a href="#">503333</a> Alpine Linux Security Update for vim
<a href="#">503407</a> Alpine Linux Security Update for vim
<a href="#">503496</a> Alpine Linux Security Update for vim
<a href="#">503523</a> Alpine Linux Security Update for vim
<a href="#">503571</a> Alpine Linux Security Update for vim
<a href="#">503608</a> 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
671418 EulerOS Security Update for vim (EulerOS-SA-2022-1363)
671458 EulerOS Security Update for vim (EulerOS-SA-2022-1441)
671465 EulerOS Security Update for vim (EulerOS-SA-2022-1462)
671501 EulerOS Security Update for vim (EulerOS-SA-2022-1499)
671521 EulerOS Security Update for vim (EulerOS-SA-2022-1518)
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)
900419 Common Base Linux Mariner (CBL-Mariner) Security Update for vim (7068)
901010 Common Base Linux Mariner (CBL-Mariner) Security Update for vim (7075-1)

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