



# CVE-2022-4285

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## Summary

<b>CVE</b>	CVE-2022-4285
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-01-27 18:15:00 UTC
<b>Updated</b>	2023-11-07 03:57:00 UTC
<b>Description</b>	An illegal memory access flaw was found in the binutils package. Parsing an ELF file containing corrupt symbol version info

## Risk And Classification

**Problem Types:** CWE-476

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	37	All	All	All
Application	<a href="#">Gnu</a>	<a href="#">Binutils</a>	All	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	6.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	9.0	All	All	All

## References

Reference	S
GNU Binutils: Multiple Vulnerabilities (GLSA 202309-15) — Gentoo security	G
sourceware.org Git - binutils-gdb.git/commit	M
29699 – Segmentation fault caused by null pointer dereference in nm-new, _bfd_elf_get_symbol_version_string, elf.c:1969	M
2150768 – (CVE-2022-4285) CVE-2022-4285 binutils: NULL pointer dereference in _bfd_elf_get_symbol_version_string leads to segfault	M
sourceware.org Git - binutils-gdb.git/commit	
CVE Program record	C
NVD vulnerability detail	N

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

<a href="#">160693</a> Oracle Enterprise Linux Security Update for gcc-toolset-12-binutils (ELSA-2023-2873)
<a href="#">161038</a> Oracle Enterprise Linux Security Update for binutils (ELSA-2023-6236)
<a href="#">161113</a> Oracle Enterprise Linux Security Update for binutils (ELSA-2023-6593)
<a href="#">183849</a> Debian Security Update for binutils (CVE-2022-4285)
<a href="#">199995</a> Ubuntu Security Notification for GNU binutils Vulnerabilities (USN-6544-1)
<a href="#">241474</a> Red Hat Update for gcc-toolset-12-binutils (RHSA-2023:2873)
<a href="#">241553</a> Red Hat Update for devtoolset-12-binutils (RHSA-2023:3269)
<a href="#">242263</a> Red Hat Update for binutils (RHSA-2023:6236)
<a href="#">242321</a> Red Hat Update for binutils (RHSA-2023:6593)
<a href="#">242618</a> Red Hat Update for binutils (RHSA-2023:7394)
<a href="#">283548</a> Fedora Security Update for insight (FEDORA-2022-07d49bd9a8)
<a href="#">283549</a> Fedora Security Update for insight (FEDORA-2022-3efcae2a46)
<a href="#">283598</a> Fedora Security Update for mingw (FEDORA-2023-11256597a8)
<a href="#">283599</a> Fedora Security Update for mingw (FEDORA-2023-3d9f2bed46)
<a href="#">378753</a> Alibaba Cloud Linux Security Update for gcc-toolset-12-binutils (ALINUX3-SA-2023:0086)
<a href="#">672918</a> EulerOS Security Update for binutils (EulerOS-SA-2023-1755)
<a href="#">672947</a> EulerOS Security Update for binutils (EulerOS-SA-2023-1777)
<a href="#">710758</a> Gentoo Linux GNU Binutils Multiple Vulnerabilities (GLSA 202309-15)
<a href="#">754877</a> SUSE Enterprise Linux Security Update for binutils (SUSE-SU-2023:3695-1)
<a href="#">754965</a> SUSE Enterprise Linux Security Update for binutils (SUSE-SU-2023:3825-1)
<a href="#">905320</a> Common Base Linux Mariner (CBL-Mariner) Security Update for binutils (13112)
<a href="#">905322</a> Common Base Linux Mariner (CBL-Mariner) Security Update for binutils (13114)
<a href="#">905611</a> Common Base Linux Mariner (CBL-Mariner) Security Update for binutils (13114-1)
<a href="#">905664</a> Common Base Linux Mariner (CBL-Mariner) Security Update for binutils (13112-1)
<a href="#">906584</a> Common Base Linux Mariner (CBL-Mariner) Security Update for binutils (13112-3)
<a href="#">906615</a> Common Base Linux Mariner (CBL-Mariner) Security Update for binutils (13114-3)

<a href="#">941085</a> AlmaLinux Security Update for gcc-toolset-12-binutils (ALSA-2023:2873)
<a href="#">941338</a> AlmaLinux Security Update for binutils (ALSA-2023:6236)
<a href="#">941367</a> AlmaLinux Security Update for binutils (ALSA-2023:6593)
<a href="#">961068</a> Rocky Linux Security Update for binutils (RLSA-2023:6236)

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