



CVE-2023-4039

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Summary

CVE	CVE-2023-4039
State	PUBLIC
Assigner	arm-security@arm.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-09-13 09:15:00 UTC
Updated	2023-09-14 20:01:00 UTC
Description	A failure in the -fstack-protector feature in GCC-based toolchains that target AArch64 allows an attacker to exploit an existin

Risk And Classification

Problem Types: NVD-CWE-Other

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Gnu	Gcc	All	All	All	All

References

Reference	Source
GCC's -fstack-protector fails to guard dynamic stack allocations on ARM64 · Advisory · metaredteam/external-disclosures · GitHub	MISC
GCC Stack Protector Vulnerability AArch64	MISC
CVE Program record	CVE.OP
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 505870 Alpine Linux Security Update for gcc
- 673474 EulerOS Security Update for gcc (EulerOS-SA-2024-1103)
- 673525 EulerOS Security Update for gcc (EulerOS-SA-2024-1265)
- 673590 EulerOS Security Update for gcc (EulerOS-SA-2023-3328)

673609 EulerOS Security Update for gcc (EulerOS-SA-2023-3296)
673672 EulerOS Security Update for gcc (EulerOS-SA-2023-3174)
673734 EulerOS Security Update for gcc (EulerOS-SA-2023-3209)
673783 EulerOS Security Update for gcc (EulerOS-SA-2024-1118)
754856 SUSE Enterprise Linux Security Update for gcc12 (SUSE-SU-2023:3640-1)
754865 SUSE Enterprise Linux Security Update for gcc7 (SUSE-SU-2023:3686-1)
755132 SUSE Enterprise Linux Security Update for gcc13 (SUSE-SU-2023:4162-1)
755209 SUSE Enterprise Linux Security Update for gcc13 (SUSE-SU-2023:4287-1)
755216 SUSE Enterprise Linux Security Update for gcc13 (SUSE-SU-2023:4287-2)
755271 SUSE Enterprise Linux Security Update for gcc13 (SUSE-SU-2023:4458-1)
755285 SUSE Enterprise Linux Security Update for gcc13 (SUSE-SU-2023:4480-1)
755854 SUSE Enterprise Linux Security Update for gcc12 (SUSE-SU-2023:3661-1)
755898 SUSE Enterprise Linux Security Update for gcc7 (SUSE-SU-2023:3662-1)
907319 Common Base Linux Mariner (CBL-Mariner) Security Update for gcc (28769-1)

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