



gethostbyaddr and gethostbyaddr_r return invalid DNS hostnames

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

Summary

CVE	CVE-2026-4438
State	PUBLISHED
Assigner	glibc
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-03-20 20:16:49 UTC
Updated	2026-04-07 18:40:02 UTC
Description	Calling gethostbyaddr or gethostbyaddr_r with a configured nsswitch.conf that specifies the library's DNS backend in the GI

Risk And Classification

Primary CVSS: v3.1 5.4 MEDIUM from ADP

CVSS: [3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N](#)

EPSS: 0.000300000 probability, percentile 0.084850000 (date 2026-04-07)

Problem Types: CWE-20 | CWE-88 | CWE-20 CWE-20 Improper input validation | CWE-88 CWE-88 Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	5.4	MEDIUM	CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	5.4	MEDIUM	CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N

CVSS v3.1 Breakdown

Attack Vector

Adjacent

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

None

CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N

NVD Known Affected Configurations (CPE 2.3)

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	The GNU C Library	Glibc	affected 2.34 2.43 custom	Not specified

References

Reference	Source	Link	Tags
sourceware.org/bugzilla/show_bug.cgi	3ff69d7a-14f2-4f67-a097-88dee7810d18	sourceware.org	Exploit, Issue Tracking, Patch
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: Antonio Maini (OrbitingZer0) - OrbitingZer0@proton.me (en)

There are currently no legacy QID mappings associated with this CVE.

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