



CVE-2024-42040

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2024-42040 |
| State | PUBLISHED |
| Assigner | mitre |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2024-08-23 15:15:16 UTC |
| Updated | 2026-04-03 17:17:08 UTC |
| Description | Buffer Overflow vulnerability in the net/bootp.c in DENEX U-Boot from its initial commit in 2002 (3861aa5) up to today on ar |

Risk And Classification

Primary CVSS: v3.1 8.1 HIGH from ADP

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

Problem Types: CWE-120 | n/a | CWE-120 CWE-120 Buffer Copy without Checking Size of Input ('Classic Buffer Overflow')

| Version | Source | Type | Score | Severity | Vector |
|---------|--------------------------------------|-----------|-------|----------|--|
| 3.1 | ADP | DECLARED | 8.1 | HIGH | CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:H |
| 3.1 | 134c704f-9b21-4f2e-91b3-4a467353bcc0 | Secondary | 8.1 | HIGH | CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:H |

CVSS v3.1 Breakdown

Attack Vector

Adjacent

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|-------------|--------|---------|---------|--------|---------|----------|
| Application | Denx | U-boot | All | All | All | All |

Vendor Declared Affected Products

| Source | Vendor | Product | Version | Platforms |
|--------|--------|---------|--------------|---------------|
| CNA | Na | N/a | affected n/a | Not specified |

References

| Reference | Source | Link | Tag |
|--|--------------------------------------|--------------------|------|
| github.com/u-boot/u-boot/tags | cve@mitre.org | github.com | Rel |
| seclists.org/fulldisclosure/2024/Aug/38 | af854a3a-2127-422b-91ae-364da2661108 | seclists.org | Mai |
| www.schutzwerk.com/advisories/SCHUTZWERK-SA-2024-004.txt | cve@mitre.org | www.schutzwerk.com | Miti |
| CVE Program record | CVE.ORG | www.cve.org | can |
| NVD vulnerability detail | NVD | nvd.nist.gov | can |

No vendor comments have been submitted for this CVE.

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

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