



CVE-2020-25110

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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Nut/os](#) from [Ethernut](#) contain the following vulnerability:

An issue was discovered in the DNS implementation in Ethernut in Nut/OS 5.1. The length byte of a domain name in a DNS query/response is not checked, and is used for internal memory operations. This may lead to successful Denial-of-Service, and possibly Remote Code Execution.

CVE-2020-25110 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **7.5 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
VU#815128 - Embedded TCP/IP stacks have memory corruption vulnerabilities	Third Party Advisory US Government Resource www.kb.cert.org	MISC www.kb.cert.org/vuls/id/815128

[text/html](#)[Multiple Embedded TCP/IP Stacks | CISA](#)[Third Party Advisory](#)[US Government Resource](#)[us-cert.cisa.gov](#)[text/html](#)[MISC us-cert.cisa.gov/ics/advisories/icsa-20-343-01](#)

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Ethernet	Nut/os	All	All	All	All
cpe:2.3:o:ethernut:nut/os:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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