



CVE-2016-6171

- MITRE
- NVD
- CVE.ORG
- JSON API
- Print: PDF

Summary

CVE	CVE-2016-6171
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-02-09 15:59:01 UTC
Updated	2025-04-20 01:37:25 UTC
Description	Knot DNS before 2.3.0 allows remote DNS servers to cause a denial of service (memory exhaustion and slave server crash)

Risk And Classification

Primary CVSS: v3.1 8.6 HIGH from nvd@nist.gov

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

Problem Types: CWE-400 | n/a

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	8.6	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:C/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	5		AV:N/AC:L/Au:N/C:N/I:N/A:P

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Changed

Confidentiality

None

Integrity

None

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Partial

AV:N/AC:L/Au:N/C:N/I:N/A:P

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Knot-dns	Knot Dns	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
[dns-operations] DNS activities in Japan	af854a3a-2127-422b-91ae-364da2661108	lists.dns-c
oss-security - Re: Malicious primary DNS servers can crash secondaries	af854a3a-2127-422b-91ae-364da2661108	www.opei
Multiple DNS Servers Remote Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da2661108	www.secu
NEWS · c546a70563ef4c7badb7cb5bdf6d1ba8e7adae82 · labs / Knot DNS · GitLab	af854a3a-2127-422b-91ae-364da2661108	gitlab.labs
oss-security - Malicious primary DNS servers can crash secondaries	af854a3a-2127-422b-91ae-364da2661108	www.opei
size limit for incoming zone transfer (#464) · Issues · labs / Knot DNS · GitLab	af854a3a-2127-422b-91ae-364da2661108	gitlab.labs
xfer-limit/README.md at master · sischkg/xfer-limit · GitHub	af854a3a-2127-422b-91ae-364da2661108	github.co
CVE Program record	CVE.ORG	www.cve.
NVD vulnerability detail	NVD	nvd.nist.g

No vendor comments have been submitted for this CVE.

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

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