



# Dnsmasq: dnsmasq: denial of service due to out-of-bounds write in dhcp bootreply processing

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2026-6507
<b>State</b>	PUBLISHED
<b>Assigner</b>	redhat
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-17 13:16:14 UTC
<b>Updated</b>	2026-04-17 15:07:18 UTC
<b>Description</b>	A flaw was found in dnsmasq. A remote attacker could exploit an out-of-bounds write vulnerability by sending a specially cr

## Risk And Classification

**Primary CVSS:** v3.1 7.5 HIGH from secalert@redhat.com

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

**EPSS:** 0.000330000 probability, percentile 0.095340000 (date 2026-04-21)

**Problem Types:** CWE-787 | CWE-787 Out-of-bounds Write

Version	Source	Type	Score	Severity	Vector
3.1	secalert@redhat.com	Primary	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	CNA	CVSS	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

#### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Red Hat	Red Hat Enterprise Linux 10	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 6	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 7	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 8	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 9	Not specified	Not specified
CNA	Red Hat	Red Hat OpenShift Container Platform 4	Not specified	Not specified

#### References

Reference	Source	Link	Tags
bugzilla.redhat.com/show_bug.cgi	secalert@redhat.com	<a href="https://bugzilla.redhat.com">bugzilla.redhat.com</a>	
access.redhat.com/security/cve/CVE-2026-6507	secalert@redhat.com	<a href="https://access.redhat.com">access.redhat.com</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

#### Additional Advisory Data

Source	Time	Event
CNA	2026-04-17T00:00:00.000Z	Reported to Red Hat.
CNA	2026-04-17T11:37:00.000Z	Made public.

#### Workarounds

**CNA:** To mitigate this issue, ensure that the `dnsmasq` service is not configured with the `--dhcp-split-relay` option. If this option is currently in use, remove it from the `dnsmasq` configuration. After modifying the configuration, the `dnsmasq` service must be restarted for the changes to take effect. This may temporarily interrupt DHCP and DNS services provided by `dnsmasq`.

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

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