



CVE-2012-3571

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

Summary

CVE	CVE-2012-3571
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-07-25 10:42:00 UTC
Updated	2020-04-01 13:58:00 UTC
Description	ISC DHCP 4.1.2 through 4.2.4 and 4.1-ESV before 4.1-ESV-R6 allows remote attackers to cause a denial of service (infinite loop) by sending a DHCPDISCOVER packet with a large number of options.

Risk And Classification

Problem Types: CWE-119

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	11.04	All	All	All
Operating System	Canonical	Ubuntu Linux	11.10	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	11.04	All	All	All
Operating System	Canonical	Ubuntu Linux	11.10	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Debian	Debian Linux	6.0	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	6.0	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Application	isc	Dhcp	4.1-esv	-	All	All
Application	isc	Dhcp	4.1-esv	r1	All	All
Application	isc	Dhcp	4.1-esv	r2	All	All
Application	isc	Dhcp	4.1-esv	r3	All	All
Application	isc	Dhcp	4.1-esv	r3_b1	All	All
Application	isc	Dhcp	4.1-esv	r4	All	All
Application	isc	Dhcp	4.1-esv	r5	All	All

Application	lsc	Dhcp	4.1-esv	r5_b1	All	All
Application	lsc	Dhcp	4.1-esv	r5_rc1	All	All
Application	lsc	Dhcp	4.1-esv	r5_rc2	All	All
Application	lsc	Dhcp	4.1.2	All	All	All
Application	lsc	Dhcp	4.2.0	-	All	All
Application	lsc	Dhcp	4.2.0	a1	All	All
Application	lsc	Dhcp	4.2.0	a2	All	All
Application	lsc	Dhcp	4.2.0	b1	All	All
Application	lsc	Dhcp	4.2.0	b2	All	All
Application	lsc	Dhcp	4.2.0	p1	All	All
Application	lsc	Dhcp	4.2.0	rc1	All	All
Application	lsc	Dhcp	4.2.1	-	All	All
Application	lsc	Dhcp	4.2.1	b1	All	All
Application	lsc	Dhcp	4.2.1	rc1	All	All
Application	lsc	Dhcp	4.2.2	-	All	All
Application	lsc	Dhcp	4.2.2	b1	All	All
Application	lsc	Dhcp	4.2.2	rc1	All	All
Application	lsc	Dhcp	4.2.3	-	All	All
Application	lsc	Dhcp	4.2.3	p1	All	All
Application	lsc	Dhcp	4.2.3	p2	All	All
Application	lsc	Dhcp	4.2.4	All	All	All
Application	lsc	Dhcp	4.1-esv	-	All	All
Application	lsc	Dhcp	4.1-esv	r1	All	All
Application	lsc	Dhcp	4.1-esv	r2	All	All
Application	lsc	Dhcp	4.1-esv	r3	All	All
Application	lsc	Dhcp	4.1-esv	r3_b1	All	All
Application	lsc	Dhcp	4.1-esv	r4	All	All
Application	lsc	Dhcp	4.1-esv	r5	All	All
Application	lsc	Dhcp	4.1-esv	r5_b1	All	All
Application	lsc	Dhcp	4.1-esv	r5_rc1	All	All
Application	lsc	Dhcp	4.1-esv	r5_rc2	All	All
Application	lsc	Dhcp	4.1.2	All	All	All
Application	lsc	Dhcp	4.2.0	-	All	All
Application	lsc	Dhcp	4.2.0	a1	All	All
Application	lsc	Dhcp	4.2.0	a2	All	All

Application	isc	Dhcp	4.2.0	b1	All	All
Application	isc	Dhcp	4.2.0	b2	All	All
Application	isc	Dhcp	4.2.0	p1	All	All
Application	isc	Dhcp	4.2.0	rc1	All	All
Application	isc	Dhcp	4.2.1	-	All	All
Application	isc	Dhcp	4.2.1	b1	All	All
Application	isc	Dhcp	4.2.1	rc1	All	All
Application	isc	Dhcp	4.2.2	-	All	All
Application	isc	Dhcp	4.2.2	b1	All	All
Application	isc	Dhcp	4.2.2	rc1	All	All
Application	isc	Dhcp	4.2.3	-	All	All
Application	isc	Dhcp	4.2.3	p1	All	All
Application	isc	Dhcp	4.2.3	p2	All	All
Application	isc	Dhcp	4.2.4	All	All	All

References

Reference

[USN-1519-1: DHCP vulnerabilities | Ubuntu](#)

[ISC DHCP Multiple Denial of Service Vulnerabilities](#)

[openSUSE-SU-2012:1006-1: moderate: update for dhcp](#)

[Red Hat Customer Portal](#)

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[CVE-2012-3571: An Error in the Handling of Malformed Client Identifiers can Cause a Denial-of-Service Condition in Affected Servers | Internet](#)

[Oracle VM Server for x86 Bulletin - July 2016](#)

[Debian -- Security Information -- DSA-2519-2 isc-dhcp](#)

[2016-10 Security Bulletin: CTPView: Multiple vulnerabilities in CTPView - Juniper Networks](#)

[Red Hat Customer Portal](#)

[Gentoo Linux Documentation -- ISC DHCP: Denial of Service](#)

[Debian -- Security Information -- DSA-2516-1 isc-dhcp](#)

[CVE Program record](#)

[NVD vulnerability detail](#)

No vendor comments have been submitted for this CVE.

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

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