# CVE-2022-2929

MITRE | NVD | CVE.ORG | Print: PDF

## Summary

| | |
|---|---|
| **CVE** | CVE-2022-2929 |
| **State** | PUBLIC |
| **Assigner** | security-officer@isc.org |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2022-10-07 05:15:00 UTC |
| **Updated** | 2023-11-07 03:47:00 UTC |
| **Description** | In ISC DHCP 1.0 -> 4.4.3, ISC DHCP 4.1-ESV-R1 -> 4.1-ESV-R16-P1 a system with access to a DHCP server, sending DH |

## Risk And Classification

**Problem Types:** CWE-770

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Debian | Debian Linux | 10.0 | All | All | All |
| Operating System | Fedoraproject | Fedora | 35 | All | All | All |
| Operating System | Fedoraproject | Fedora | 36 | All | All | All |
| Operating System | Fedoraproject | Fedora | 37 | All | All | All |
| Application | Isc | Dhcp | All | All | All | All |
| Application | Isc | Dhcp | 4.1-esv | r1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r10 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r10b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r10rc1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r10_b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r10_rc1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r11 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r11b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r11rc1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r11rc2 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r11_b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r11_rc1 | All | All |

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|---|---|---|---|---|---|---|
| Application | Isc | Dhcp | 4.1-esv | r11_rc2 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r12 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r12-p1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r12b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r12_b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r12_p1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r13 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r13b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r13_b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r14 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r14b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r14_b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r15 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r15-p1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r15_b1 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r16 | All | All |
| Application | Isc | Dhcp | 4.1-esv | r16-p1 | All | All |
| Application | Isc | Dhcp | All | All | All | All |

## References

| Reference | Source | Link | Tag |
|---|---|---|---|
| [SECURITY] Fedora 37 Update: dhcp-4.4.3-4.P1.fc37 - package-announce - Fedora Mailing-Lists | | lists.fedoraproject.org | |
| [SECURITY] Fedora 36 Update: dhcp-4.4.3-4.P1.fc36 - package-announce - Fedora Mailing-Lists | FEDORA | lists.fedoraproject.org | |
| ISC DHCP: Multiple Vulnerabilities (GLSA 202305-22) — Gentoo security | GENTOO | security.gentoo.org | |
| [SECURITY] Fedora 36 Update: dhcp-4.4.3-4.P1.fc36 - package-announce - Fedora Mailing-Lists | | lists.fedoraproject.org | |
| [SECURITY] Fedora 35 Update: dhcp-4.4.3-4.P1.fc35 - package-announce - Fedora Mailing-Lists | FEDORA | lists.fedoraproject.org | |
| [SECURITY] Fedora 35 Update: dhcp-4.4.3-4.P1.fc35 - package-announce - Fedora Mailing-Lists | | lists.fedoraproject.org | |
| [SECURITY] [DLA 3146-1] isc-dhcp security update | MLIST | lists.debian.org | |
| [SECURITY] Fedora 37 Update: dhcp-4.4.3-4.P1.fc37 - package-announce - Fedora Mailing-Lists | FEDORA | lists.fedoraproject.org | |
| CVE-2022-2929 DHCP memory leak | CONFIRM | kb.isc.org | |
| cve-website | MISC | www.cve.org | |
| NVD vulnerability detail | NVD | nvd.nist.gov | canc |

## Vendor Comments And Credit

Discovery Credit

**LEGACY:** ISC would like to thank VictorV of Cyber Kunlun Lab for discovering and reporting this issue.

## Legacy QID Mappings

160628 Oracle Enterprise Linux Security Update for dhcp security and enhancement update (ELSA-2023-2502)

160661 Oracle Enterprise Linux Security Update for dhcp (ELSA-2023-3000)

181114 Debian Security Update for isc-dhcp (DSA 5251-1)

181126 Debian Security Update for isc-dhcp (DLA 3146-1)

182170 Debian Security Update for isc-dhcp (CVE-2022-2929)

198973 Ubuntu Security Notification for DHCP Vulnerabilities (USN-5658-1)

241461 Red Hat Update for dhcp (RHSA-2023:2502)

241476 Red Hat Update for dhcp (RHSA-2023:3000)

283204 Fedora Security Update for dhcp (FEDORA-2022-f5a45757df)

283244 Fedora Security Update for dhcp (FEDORA-2022-c4f274a54f)

283485 Fedora Security Update for dhcp (FEDORA-2022-9ca9a94e28)

354111 Amazon Linux Security Advisory for dhcp : ALAS2-2022-1874

355050 Amazon Linux Security Advisory for dhcp : AL2012-2022-374

378641 Alibaba Cloud Linux Security Update for dhcp (ALINUX3-SA-2023:0058)

502519 Alpine Linux Security Update for dhcp

503675 Alpine Linux Security Update for dhcp

505866 Alpine Linux Security Update for dhcp

591311 Bosch Rexroth PRA-ES8P2S Ethernet-Switch Multiple Vulnerabilities (BOSCH-SA-247053-BT)

672402 EulerOS Security Update for dhcp (EulerOS-SA-2022-2792)

672424 EulerOS Security Update for dhcp (EulerOS-SA-2022-2842)

672461 EulerOS Security Update for dhcp (EulerOS-SA-2022-2817)

672477 EulerOS Security Update for dhcp (EulerOS-SA-2023-1032)

672510 EulerOS Security Update for dhcp (EulerOS-SA-2023-1007)

672529 EulerOS Security Update for dhcp (EulerOS-SA-2023-1097)

672557 EulerOS Security Update for dhcp (EulerOS-SA-2023-1121)

672744 EulerOS Security Update for dhcp (EulerOS-SA-2023-1498)

710726 Gentoo Linux ISC DHCP Multiple Vulnerabilities (GLSA 202305-22)

752801 SUSE Enterprise Linux Security Update for dhcp (SUSE-SU-2022:3992-1)

752802 SUSE Enterprise Linux Security Update for dhcp (SUSE-SU-2022:3991-1)

904194 Common Base Linux Mariner (CBL-Mariner) Security Update for dhcp (11111)

904217 Common Base Linux Mariner (CBL-Mariner) Security Update for dhcp (11109)

941056 AlmaLinux Security Update for dhcp (ALSA-2023:2502)

941097 AlmaLinux Security Update for dhcp (ALSA-2023:3000)