CVE-2021-25220

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Summary

CVE	CVE-2021-25220
State	PUBLIC
Assigner	security-officer@isc.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-03-23 13:15:00 UTC
Updated	2023-11-09 14:44:00 UTC
Description	BIND 9.11.0 -> 9.11.36 9.12.0 -> 9.16.26 9.17.0 -> 9.18.0 BIND Supported Preview Editions: 9.11.4-S1 -> 9.11.36-S1 9.16.

Risk And Classification

Problem Types: CWE-444

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	34	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Operating System	Fedoraproject	Fedora	36	All	All	All
Application	Isc	Bind	All	All	All	All
Application	Isc	Bind	All	All	All	All
Application	Isc	Bind	All	All	All	All
Operating System	Juniper	Junos	All	All	All	All
Operating System	Juniper	Junos	19.3	-	All	All
Operating System	Juniper	Junos	19.3	r1-s1	All	All
Operating System	Juniper	Junos	19.3	r2	All	All
Operating System	Juniper	Junos	19.3	r2-s1	All	All
Operating System	Juniper	Junos	19.3	r2-s2	All	All
Operating System	Juniper	Junos	19.3	r2-s3	All	All
Operating System	Juniper	Junos	19.3	r2-s4	All	All
Operating System	Juniper	Junos	19.3	r2-s5	All	All
Operating System	Juniper	Junos	19.3	r2-s6	All	All
Operating System	Juniper	Junos	19.3	r2-s7	All	All

Operating System	Juniper	Junos	19.3	r3	All	All
Operating System	Juniper	Junos	19.3	r3-s1	All	All
Operating System	Juniper	Junos	19.3	r3-s2	All	All
Operating System	Juniper	Junos	19.3	r3-s3	All	All
Operating System	Juniper	Junos	19.3	r3-s4	All	All
Operating System	Juniper	Junos	19.3	r3-s5	All	All
Operating System	Juniper	Junos	19.3	r3-s6	All	All
Operating System	Juniper	Junos	19.4	-	All	All
Operating System	Juniper	Junos	19.4	r1	All	All
Operating System	Juniper	Junos	19.4	r1-s1	All	All
Operating System	Juniper	Junos	19.4	r1-s2	All	All
Operating System	Juniper	Junos	19.4	r1-s3	All	All
Operating System	Juniper	Junos	19.4	r1-s4	All	All
Operating System	Juniper	Junos	19.4	r2	All	All
Operating System	Juniper	Junos	19.4	r2-s1	All	All
Operating System	Juniper	Junos	19.4	r2-s2	All	All
Operating System	Juniper	Junos	19.4	r2-s3	All	All
Operating System	Juniper	Junos	19.4	r2-s4	All	All
Operating System	Juniper	Junos	19.4	r2-s5	All	All
Operating System	Juniper	Junos	19.4	r2-s6	All	All
Operating System	Juniper	Junos	19.4	r2-s7	All	All
Operating System	Juniper	Junos	19.4	r3	All	All
Operating System	Juniper	Junos	19.4	r3-s1	All	All
Operating System	Juniper	Junos	19.4	r3-s2	All	All
Operating System	Juniper	Junos	19.4	r3-s3	All	All
Operating System	Juniper	Junos	19.4	r3-s4	All	All
Operating System	Juniper	Junos	19.4	r3-s5	All	All
Operating System	Juniper	Junos	19.4	r3-s6	All	All
Operating System	Juniper	Junos	19.4	r3-s7	All	All
Operating System	Juniper	Junos	19.4	r3-s8	All	All
Operating System	Juniper	Junos	20.2	-	All	All
Operating System	Juniper	Junos	20.2	r1	All	All
Operating System	Juniper	Junos	20.2	r1-s1	All	All
Operating System	Juniper	Junos	20.2	r1-s2	All	All
Operating System	Juniper	Junos	20.2	r1-s3	All	All

Operating System	Juniper	Junos	20.2	r2	All	All
Operating System	Juniper	Junos	20.2	r2-s1	All	All
Operating System	Juniper	Junos	20.2	r2-s2	All	All
Operating System	Juniper	Junos	20.2	r2-s3	All	All
Operating System	Juniper	Junos	20.2	r3	All	All
Operating System	Juniper	Junos	20.2	r3-s1	All	All
Operating System	Juniper	Junos	20.2	r3-s2	All	All
Operating System	Juniper	Junos	20.2	r3-s3	All	All
Operating System	Juniper	Junos	20.2	r3-s4	All	All
Operating System	Juniper	Junos	20.3	-	All	All
Operating System	Juniper	Junos	20.3	r1	All	All
Operating System	Juniper	Junos	20.3	r1-s1	All	All
Operating System	Juniper	Junos	20.3	r1-s2	All	All
Operating System	Juniper	Junos	20.3	r2	All	All
Operating System	Juniper	Junos	20.3	r2-s1	All	All
Operating System	Juniper	Junos	20.3	r3	All	All
Operating System	Juniper	Junos	20.3	r3-s1	All	All
Operating System	Juniper	Junos	20.3	r3-s2	All	All
Operating System	Juniper	Junos	20.3	r3-s3	All	All
Operating System	Juniper	Junos	20.3	r3-s4	All	All
Operating System	Juniper	Junos	20.4	-	All	All
Operating System	Juniper	Junos	20.4	r1	All	All
Operating System	Juniper	Junos	20.4	r1-s1	All	All
Operating System	Juniper	Junos	20.4	r2	All	All
Operating System	Juniper	Junos	20.4	r2-s1	All	All
Operating System	Juniper	Junos	20.4	r2-s2	All	All
Operating System	Juniper	Junos	20.4	r3	All	All
Operating System	Juniper	Junos	20.4	r3-s1	All	All
Operating System	Juniper	Junos	20.4	r3-s2	All	All
Operating System	Juniper	Junos	20.4	r3-s3	All	All
Operating System	Juniper	Junos	20.4	r3-s4	All	All
Operating System	Juniper	Junos	21.1	-	All	All
Operating System	Juniper	Junos	21.1	r1	All	All
Operating System	Juniper	Junos	21.1	r1-s1	All	All
Operating System	Juniper	Junos	21.1	r2	All	All

Operating System	Juniper	Junos	21.1	r2-s1	All	All
Operating System	Juniper	Junos	21.1	r2-s2	All	All
Operating System	Juniper	Junos	21.1	r3	All	All
Operating System	Juniper	Junos	21.1	r3-s1	All	All
Operating System	Juniper	Junos	21.1	r3-s2	All	All
Operating System	Juniper	Junos	21.2	-	All	All
Operating System	Juniper	Junos	21.2	r1	All	All
Operating System	Juniper	Junos	21.2	r1-s1	All	All
Operating System	Juniper	Junos	21.2	r1-s2	All	All
Operating System	Juniper	Junos	21.2	r2	All	All
Operating System	Juniper	Junos	21.2	r2-s1	All	All
Operating System	Juniper	Junos	21.2	r2-s2	All	All
Operating System	Juniper	Junos	21.2	r3	All	All
Operating System	Juniper	Junos	21.2	r3-s1	All	All
Operating System	Juniper	Junos	21.3	-	All	All
Operating System	Juniper	Junos	21.3	r1	All	All
Operating System	Juniper	Junos	21.3	r1-s1	All	All
Operating System	Juniper	Junos	21.3	r1-s2	All	All
Operating System	Juniper	Junos	21.3	r2	All	All
Operating System	Juniper	Junos	21.3	r2-s1	All	All
Operating System	Juniper	Junos	21.3	r2-s2	All	All
Operating System	Juniper	Junos	21.3	r3	All	All
Operating System	Juniper	Junos	21.4	-	All	All
Operating System	Juniper	Junos	21.4	r1	All	All
Operating System	Juniper	Junos	21.4	r1-s1	All	All
Operating System	Juniper	Junos	21.4	r1-s2	All	All
Operating System	Juniper	Junos	21.4	r2	All	All
Operating System	Juniper	Junos	22.1	r1	All	All
Operating System	Juniper	Junos	22.1	r1-s1	All	All
Operating System	Juniper	Junos	22.2	r1	All	All
Hardware	Juniper	Srx100	-	All	All	All
Hardware	Juniper	Srx110	-	All	All	All
Hardware	Juniper	Srx1400	-	All	All	All
Hardware	Juniper	Srx1500	-	All	All	All
Hardware	Juniper	Srx210	-	All	All	All
Hardware	Juniper	Srx220	-	All	All	All

Hardware	Juniper	Srx240	-	All	All	All
Hardware	Juniper	Srx240h2	-	All	All	All
Hardware	Juniper	Srx240m	-	All	All	All
Hardware	Juniper	Srx300	-	All	All	All
Hardware	Juniper	Srx320	-	All	All	All
Hardware	Juniper	Srx340	-	All	All	All
Hardware	Juniper	Srx3400	-	All	All	All
Hardware	Juniper	Srx345	-	All	All	All
Hardware	Juniper	Srx3600	-	All	All	All
Hardware	Juniper	Srx380	-	All	All	All
Hardware	Juniper	Srx4000	-	All	All	All
Hardware	Juniper	Srx4100	-	All	All	All
Hardware	Juniper	Srx4200	-	All	All	All
Hardware	Juniper	Srx4600	-	All	All	All
Hardware	Juniper	Srx5000	-	All	All	All
Hardware	Juniper	Srx5400	-	All	All	All
Hardware	Juniper	Srx550	-	All	All	All
Hardware	Juniper	Srx550m	-	All	All	All
Hardware	Juniper	Srx550 Hm	-	All	All	All
Hardware	Juniper	Srx5600	-	All	All	All
Hardware	Juniper	Srx5800	-	All	All	All
Hardware	Juniper	Srx650	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H300e	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H300e Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H300s	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H300s Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H410c	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H410c Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H410s	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H410s Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H500e	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H500e Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H500s	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H500s Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H700e	-	All	All	All

Operating System	Netapp	Baseboard Management Controller H700e Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H700s	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H700s Firmware	-	All	All	All
Hardware	Netapp	H300e	-	All	All	All
Operating System	Netapp	H300e Firmware	-	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Operating System	Netapp	H300s Firmware	-	All	All	All
Hardware	Netapp	H410c	-	All	All	All
Operating System	Netapp	H410c Firmware	-	All	All	All
Hardware	Netapp	H410s	-	All	All	All
Operating System	Netapp	H410s Firmware	-	All	All	All
Hardware	Netapp	H500e	-	All	All	All
Operating System	Netapp	H500e Firmware	-	All	All	All
Hardware	Netapp	H500s	-	All	All	All
Operating System	Netapp	H500s Firmware	-	All	All	All
Hardware	Netapp	H700e	-	All	All	All
Operating System	Netapp	H700e Firmware	-	All	All	All
Hardware	Netapp	H700s	-	All	All	All
Operating System	Netapp	H700s Firmware	-	All	All	All
Application	Siemens	Sinec Ins	All	All	All	All
Application	Siemens	Sinec Ins	1.0	-	All	All
Application	Siemens	Sinec Ins	1.0	sp1	All	All

References

Reference	Source	Link
[SECURITY] Fedora 36 Update: dhcp-4.4.3-2.fc36 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
CVE-2021-25220: DNS forwarders - cache poisoning vulnerability	CONFIRM	kb.isc.org
[SECURITY] Fedora 34 Update: dhcp-4.4.2-12.b1.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 34 Update: dhcp-4.4.2-12.b1.fc34 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[SECURITY] Fedora 35 Update: dhcp-4.4.3-2.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
ISC BIND: Multiple Vulnerabilities (GLSA 202210-25) — Gentoo security	GENTOO	security.gentoo.org
[SECURITY] Fedora 36 Update: dhcp-4.4.3-2.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
cert-portal.siemens.com/productcert/pdf/ssa-637483.pdf	CONFIRM	cert-portal.siemens.
[SECURITY] Fedora 36 Update: bind-dyndb-ldap-11.9-14.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 35 Update: dhcp-4.4.3-2.fc35 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[SECURITY] Fedora 34 Update: bind-9.16.27-1.fc34 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o

CEC Juniper Community	MISC	supportportal.junipe
[SECURITY] Fedora 34 Update: bind-9.16.27-1.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 36 Update: bind-dyndb-ldap-11.9-14.fc36 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
March 2022 ISC BIND Vulnerabilities in NetApp Products | NetApp Product Security	CONFIRM	security.netapp.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

Vendor Comments And Credit

Discovery Credit

LEGACY: ISC would like to thank Xiang Li, Baojun Liu, and Chaoyi Lu from Network and Information Security Lab, Tsinghua University and Changgen Zou from Qi An Xin Group Corp. for discovering and reporting this issue.

Legacy QID Mappings

- 15129 ISC BIND Domain Name System (DNS) forwarders - cache poisoning Vulnerability
- 160207 Oracle Enterprise Linux Security Update for bind (ELSA-2022-7790)
- 160219 Oracle Enterprise Linux Security Update for bind9.16 (ELSA-2022-7643)
- 160287 Oracle Enterprise Linux Security Update for dhcp security and enhancement update (ELSA-2022-8385)
- 160313 Oracle Enterprise Linux Security Update for bind (ELSA-2022-8068)
- 160426 Oracle Enterprise Linux Security Update for bind (ELSA-2023-0402)
- 179133 Debian Security Update for bind9 (DLA 2955-1)
- 179135 Debian Security Update for bind9 (DLA 2955-2)
- 179144 Debian Security Update for bind9 (DSA 5105-1)
- 183084 Debian Security Update for bind9 (CVE-2021-25220)
- 198706 Ubuntu Security Notification for Bind Vulnerabilities (USN-5332-1)
- 240822 Red Hat Update for bind (RHSA-2022:7790)
- 240828 Red Hat Update for bind9.16 (RHSA-2022:7643)
- 240888 Red Hat Update for bind (RHSA-2022:8068)
- 240901 Red Hat Update for dhcp (RHSA-2022:8385)
- 241122 Red Hat Update for bind (RHSA-2023:0402)
- 257214 CentOS Security Update for bind (CESA-2023:0402)

282499 Fedora Security Update for bind (FEDORA-2022-427cfc50f8)

282526 Fedora Security Update for bind (FEDORA-2022-042d9c6146)

282592 Fedora Security Update for dhcp (FEDORA-2022-a88218de5c)

282634 Fedora Security Update for dhcp (FEDORA-2022-05918f0838)

296063 Oracle Solaris 11.4 Support Repository Update (SRU) 45.119.2 Missing (CPUAPR2022)

330108 IBM AIX Domain Name System (DNS) cache poisoning Vulnerability due to ISC BIND (bind_advisory21)

354384 Amazon Linux Security Advisory for bind : ALAS2022-2022-166

354410 Amazon Linux Security Advisory for bind : ALAS2022-2022-138

354835 Amazon Linux Security Advisory for bind : ALAS2-2023-2001

355147 Amazon Linux Security Advisory for bind : ALAS2023-2023-010

377944 Alibaba Cloud Linux Security Update for bind (ALINUX2-SA-2023:0006)

500062 Alpine Linux Security Update for bind

501383 Alpine Linux Security Update for bind

503872 Alpine Linux Security Update for bind

671737 EulerOS Security Update for bind (EulerOS-SA-2022-1783)

671745 EulerOS Security Update for bind (EulerOS-SA-2022-1800)

671788 EulerOS Security Update for bind (EulerOS-SA-2022-1857)

671816 EulerOS Security Update for bind (EulerOS-SA-2022-1833)

671874 EulerOS Security Update for bind (EulerOS-SA-2022-1922)

672329 EulerOS Security Update for dhcp (EulerOS-SA-2022-2759)

672358 EulerOS Security Update for dhcp (EulerOS-SA-2022-2724)

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)

710661 Gentoo Linux ISC BIND Multiple Vulnerabilities (GLSA 202210-25)

751911 SUSE Enterprise Linux Security Update for bind (SUSE-SU-2022:0908-1)

751923 SUSE Enterprise Linux Security Update for bind (SUSE-SU-2022:0946-1)

751925 OpenSUSE Security Update for bind (openSUSE-SU-2022:0945-1)

751927 OpenSUSE Security Update for bind (openSUSE-SU-2022:0946-1)

751997 SUSE Enterprise Linux Security Update for bind (SUSE-SU-2022:0945-1)

752191 SUSE Enterprise Linux Security Update for bind (SUSE-SU-2022:1616-1)

752457 SUSE Enterprise Linux Security Update for bind (SUSE-SU-2022:2713-1)

900774 Common Base Linux Mariner (CBL-Mariner) Security Update for bind (9108)

901658 Common Base Linux Mariner (CBL-Mariner) Security Update for bind (9118)

902300 Common Base Linux Mariner (CBL-Mariner) Security Update for bind (9118-1)

940734 AlmaLinux Security Update for bind (ALSA-2022:7790)

940749 AlmaLinux Security Update for bind9.16 (ALSA-2022:7643)

940793 AlmaLinux Security Update for dhcp (ALSA-2022:8385)

940822 AlmaLinux Security Update for bind (ALSA-2022:8068)

960205 Rocky Linux Security Update for bind (RLSA-2022:7790)

960456 Rocky Linux Security Update for bind9.16 (RLSA-2022:7643)

960562 Rocky Linux Security Update for dhcp (RLSA-2022:8385)

960628 Rocky Linux Security Update for bind (RLSA-2022:8068)