CVE-2016-2776

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

Summary

CVE	CVE-2016-2776
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-09-28 10:59:00 UTC
Updated	2026-05-06 22:30:45 UTC
Description	buffer.c in named in ISC BIND 9 before 9.9.9-P3, 9.10.x before 9.10.4-P3, and 9.11.x before 9.11.0rc3 does not properly cc

Risk And Classification

Primary CVSS: v3.0 7.5 HIGH from nvd@nist.gov

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

EPSS: 0.883920000 probability, percentile 0.995080000 (date 2026-05-11)

Problem Types: CWE-20 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	7.5	HIGH	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	7.8		AV:N/AC:L/Au:N/C:N/I:N/A:C

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

None

Availability

High

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Hp	Hp-ux	11.31	All	All	All
Application	Isc	Bind	9.10.0	All	All	All
Application	Isc	Bind	9.10.0	a1	All	All
Application	Isc	Bind	9.10.0	a2	All	All
Application	Isc	Bind	9.10.0	b1	All	All
Application	Isc	Bind	9.10.0	b2	All	All
Application	Isc	Bind	9.10.0	p1	All	All
Application	Isc	Bind	9.10.0	p2	All	All
Application	Isc	Bind	9.10.0	rc1	All	All
Application	Isc	Bind	9.10.0	rc2	All	All
Application	Isc	Bind	9.10.1	All	All	All
Application	Isc	Bind	9.10.1	b1	All	All
Application	Isc	Bind	9.10.1	b2	All	All
Application	Isc	Bind	9.10.1	p1	All	All
Application	Isc	Bind	9.10.1	p2	All	All
Application	Isc	Bind	9.10.1	rc1	All	All

Application	Isc	Bind	9.10.1	rc2	All	All
Application	Isc	Bind	9.10.2	b1	All	All
Application	Isc	Bind	9.10.2	p1	All	All
Application	Isc	Bind	9.10.2	p2	All	All
Application	Isc	Bind	9.10.2	p3	All	All
Application	Isc	Bind	9.10.2	p4	All	All
Application	Isc	Bind	9.10.2	rc1	All	All
Application	Isc	Bind	9.10.2	rc2	All	All
Application	Isc	Bind	9.10.3	All	All	All
Application	Isc	Bind	9.10.3	b1	All	All
Application	Isc	Bind	9.10.3	p1	All	All
Application	Isc	Bind	9.10.3	p2	All	All
Application	Isc	Bind	9.10.3	p3	All	All
Application	Isc	Bind	9.10.3	p4	All	All
Application	Isc	Bind	9.10.3	rc1	All	All
Application	Isc	Bind	9.10.4	p2	All	All
Application	Isc	Bind	9.10.4	p3	All	All
Application	Isc	Bind	9.11.0	a1	All	All
Application	Isc	Bind	9.11.0	a2	All	All
Application	Isc	Bind	9.11.0	a3	All	All
Application	Isc	Bind	9.11.0	b1	All	All
Application	Isc	Bind	9.11.0	b2	All	All
Application	Isc	Bind	9.11.0	b3	All	All
Application	Isc	Bind	9.11.0	rc1	All	All
Application	Isc	Bind	All	p3	All	All
Operating System	Oracle	Linux	5.0	All	All	All
Operating System	Oracle	Linux	6	All	All	All
Operating System	Oracle	Linux	7	All	All	All
Operating System	Oracle	Solaris	10.0	All	All	All
Operating System	Oracle	Solaris	11.3	All	All	All
Operating System	Oracle	Vm Server	3.2	All	All	All
Operating System	Oracle	Vm Server	3.3	All	All	All
Operating System	Oracle	Vm Server	3.4	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference
BIND Bug in 'buffer.c' Constructing Query Responses Lets Remote Users Cause the Target Service to Crash - SecurityTracker
404 Page not found
Red Hat Customer Portal
ISC BIND 'buffer.c' Remote Denial of Service Vulnerability
Oracle VM Server for x86 Bulletin - October 2016
Red Hat Customer Portal
404 Page not found
CVE-2016-2776: Assertion Failure in buffer.c While Building Responses to a Specifically Constructed Request | Internet Systems Consortium
Oracle Solaris Bulletin - October 2016
BIND: Multiple vulnerabilities (GLSA 201610-07) — Gentoo Security
security.FreeBSD.org/advisories/FreeBSD-SA-16:28.bind.asc
ISC BIND 9 - Denial of Service
Red Hat Customer Portal
CVE-2016-2776 ISC BIND Vulnerability in Multiple NetApp Products | NetApp Product Security
Oracle Linux Bulletin - October 2016
404 Page not found
Document Display | HPE Support Center
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.