CVE-2019-6468

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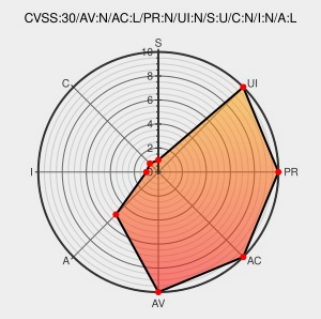

Certain versions of Bind from Isc contain the following vulnerability:

In BIND Supported Preview Edition, an error in the nxdomain-redirect feature can occur in versions which support EDNS Client Subnet (ECS) features. In those versions which have ECS support, enabling nxdomain-redirect is likely to lead to BIND exiting due to assertion failure. Versions affected: BIND Supported Preview Edition version 9.10.5-S1 -> 9.11.5-S5. ONLY BIND Supported Preview Edition releases are affected.

CVE-2019-6468 has been assigned by security-officer@isc.org to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **ISC** - **BIND 9 Supported Preview Edition** version **9.10.5-S1 -> 9.11.5-S5**

Vulnerability Patch/Work Around

Exploitation of this defect can be effectively prevented by disabling the nxdomain-redirect feature in the nameserver's configuration.

CVSS3 Score: 7.5 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: 5 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
CVE-2019-6468: BIND Supported Preview Edition can exit with an assertion failure if nxdomain-redirect is used - Security Advisories	Third Party Advisory kb.isc.org text/html	CONFIRM kb.isc.org/docs/cve-2019-6468
Synology Inc.	www.synology.com text/html	Syno CONFIRM www.synology.com/security/advisory/Synology_SA_19_20

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Isc	Bind	9.10.5	s1	All	All
Application	Isc	Bind	9.11.5	s5	All	All
Application	Isc	Bind	9.10.5	s1	All	All
Application	Isc	Bind	9.11.5	s5	All	All

cpe:2.3:a:isc:bind:9.10.5:s1:*:*:supported_preview:*:*:*:

cpe:2.3:a:isc:bind:9.11.5:s5:*:*:supported_preview:*:*:*:

cpe:2.3:a:isc:bind:9.10.5:s1:*:*:supported_preview:*:*:*:

cpe:2.3:a:isc:bind:9.11.5:s5:*:*:supported_preview:*:*:*:

Discovery Credit

ISC would like to thank Quad9 for reporting this issue.

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