CVE-2021-25664

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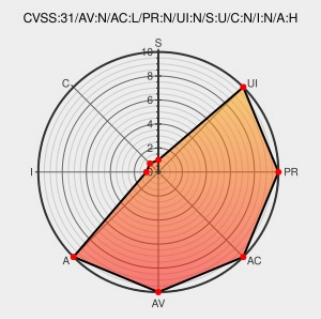

Certain versions of Capital Vstar from Siemens contain the following vulnerability:

A vulnerability has been identified in Capital VSTAR (Versions including affected IPv6 stack), Nucleus NET (All versions), Nucleus ReadyStart V3 (All versions < V2017.02.4), Nucleus ReadyStart V4 (All versions < V4.1.0), Nucleus Source Code (Versions including affected IPv6 stack). The function that processes the Hop-by-Hop extension header in IPv6 packets and its options lacks any checks against the length field of the header, allowing attackers to put the function into an infinite loop by supplying arbitrary length values.

CVE-2021-25664 has been assigned by productcert@siemens.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **Siemens** - **Capital VSTAR** version **Versions including affected IPv6 stack**

Affected Vendor/Software: **Siemens** - **Nucleus NET** version **All versions**

Affected Vendor/Software: **Siemens** - **Nucleus ReadyStart V3** version **All versions < V2017.02.4**

Affected Vendor/Software: **Siemens** - **Nucleus ReadyStart V4** version **All versions < V4.1.0**

Affected Vendor/Software: **Siemens** - **Nucleus Source Code** version **Versions including affected IPv6 stack**

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
Siemens Nucleus Products IPv6 Stack | CISA	us-cert.cisa.gov text/html	MISC us-cert.cisa.gov/ics/advisories/icsa-21-103-05
	cert-portal.siemens.com application/pdf	MISC cert-portal.siemens.com/productcert/pdf/ssa-248289.pdf

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Siemens	Capital Vstar	-	All	All	All
Application	Siemens	Nucleus 4	All	All	All	All
Application	Siemens	Nucleus Net	All	All	All	All
Application	Siemens	Nucleus Readystart	All	All	All	All
Application	Siemens	Nucleus Source Code	-	All	All	All
Application	Siemens	Vstar	-	All	All	All

cpe:2.3:a:siemens:capital_vstar:-:*:*:*:*:*:*:*:

cpe:2.3:a:siemens:nucleus_4:*:*:*:*:*:*:*:*:

cpe:2.3:a:siemens:nucleus_net:*:*:*:*:*:*:*:*:

cpe:2.3:a:siemens:nucleus_readystart:*:*:*:*:*:*:*:*:

cpe:2.3:a:siemens:nucleus_source_code:-:*:*:*:*:*:*:*:

cpe:2.3:a:siemens:vstar:-:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)

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CVE.report and Source URL Uptime Status status.cve.report