CVE-2022-21208

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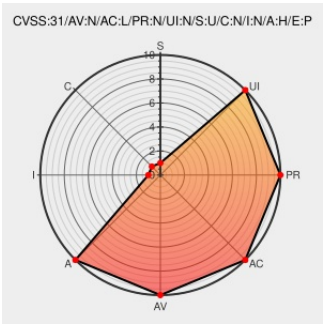

Certain versions of Mode-opcua from Node-opcua Project contain the following vulnerability:

The package node-opcua before 2.74.0 are vulnerable to Denial of Service (DoS) due to a missing limitation on the number of received chunks - per single session or in total for all concurrent sessions. An attacker can exploit this vulnerability by sending an unlimited number of huge chunks (e.g. 2GB each) without sending the Final closing chunk.

CVE-2022-21208 has been assigned by report@snyk.io to track the vulnerability - currently rated as HIGH severity.

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

CVE References

Description	Tags	Link
PacketAssembler add chunksize verification & refactor · node-opcua/node-opcua@dbcb5d5 · GitHub	github.com text/html	MISC github.com/node-opcua/node-opcua/commit/dbcb5d5191118c22ee9c89332a94b94e6553d76b
Feature/mm by erossignon · Pull Request #1149 · node-opcua/node-opcua · GitHub	github.com text/html	MISC github.com/node-opcua/node-opcua/pull/1149
Denial of Service (DoS) in node-opcua | CVE-2022-21208 | Snyk	security.snyk.io text/html	MISC security.snyk.io/vuln/SNYK-JS-NODEOPCUA-2988723
fix message chunk overflow detection · node-opcua/node-opcua@33ca3ba · GitHub	github.com text/html	MISC github.com/node-opcua/node-opcua/commit/33ca3bab4ab781392a2f8d8f5a14de9a0aa0e410

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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	Node-opcua Project	Mode-opcua	All	All	All	All
Application	Node-opcua Project	Node-opcua	All	All	All	All

cpe:2.3:a:node-opcua_project:mode-opcua:*:*:*:*:*:node.js:*:*:

cpe:2.3:a:node-opcua_project:node-opcua:*:*:*:*:*:node.js:*:*:

Discovery Credit

Vera Mens

Uri Katz

Sharon Brizinov of Team82 (Claroty Research)

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2022-21208 : The package node-opcua before 2.74.0 are vulnerable to Denial of Service #DoS due to a missing l… twitter.com/i/web/status/1…	2022-08-23 05:14:58
@threatmeter	CVE-2022-21208 The package node-opcua before 2.74.0 are vulnerable to Denial of Service (DoS) due to a missing limi… twitter.com/i/web/status/1…	2022-08-24 07:09:21
@ColorTokensInc	Emerging Vulnerability Found CVE-2022-21208 - The package node-opcua before 2.74.0 are vulnerable to Denial of Serv… twitter.com/i/web/status/1…	2022-08-25 15:12:15
/r/netcve	CVE-2022-21208	2022-08-23 05:38:48

← Previous ID

Next ID→