



CVE-2022-25304

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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H/E:P



Certain versions of [Asyncua](#) from [Asyncua Project](#) contain the following vulnerability:

All versions of package opcua; all versions of package asyncua 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-2022-25304 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
Denial of Service (DoS) in asyncua CVE-2022-25304 Snyk	security.snyk.io text/html	MISC security.snyk.io/vuln/SNYK-PYTHON-ASYNCUA-2988731
Denial of Service (DoS) in opcua CVE-2022-25304 Snyk	security.snyk.io text/html	MISC security.snyk.io/vuln/SNYK-PYTHON-OPCUA-2988730
How to report a security issue? · Issue #1466 · FreeOpcUa/python-opcua · GitHub	github.com text/html	MISC github.com/FreeOpcUa/python-opcua/issues/1466

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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	Asyncua Project	Asyncua	All	All	All	All
Application	Opcua-asyncio Project	Opcua-asyncio	All	All	All	All
Application	Opcua Project	Opcua	All	All	All	All
cpe:2.3:a:asyncua_project:asyncua:*:*:*:*:python:*:*						
cpe:2.3:a:opcua-asyncio_project:opcua-asyncio:*:*:*:*:python:*:*						
cpe:2.3:a:opcua_project:opcua:*:*:*:*:python:*:*						

Discovery Credit

Vera Mens

Uri Katz

Sharon Brizinov of Team82 (Claroty Research)

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2022-25304 : All versions of package opcua; all versions of package asyncua are vulnerable to Denial of Service... twitter.com/i/web/status/1...	2022-08-23 05:16:48
 @LinInfoSec	Python - CVE-2022-25304: security.snyk.io/vuln/SNYK-PYTH...	2022-08-23 13:00:07
 @threatmeter	CVE-2022-25304 All versions of package opcua; all versions of package asyncua are vulnerable to Denial of Service (... twitter.com/i/web/status/1...	2022-08-24 07:09:16
 @ColorTokensInc	Emerging Vulnerability Found CVE-2022-25304 - All versions of package opcua; all versions of package asyncua are vu... twitter.com/i/web/status/1...	2022-08-25 20:42:18
 /r/netcve	CVE-2022-25304	2022-08-23 05:38:52

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