



CVE-2018-12679

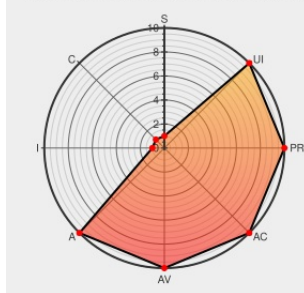
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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:30/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



Certain versions of [Coapthon3](#) from [Coapthon3 Project](#) contain the following vulnerability:

The `Serialize.deserialize()` method in CoAPthon3 1.0 and 1.0.1 mishandles certain exceptions, leading to a denial of service in applications that use this library (e.g., the standard CoAP server, CoAP client, example collect CoAP server and client) when they receive crafted CoAP messages.

CVE-2018-12679 has been assigned by [M](#) [cve@mitre.org](#) 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

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
Denial of Service vulnerability caused by improper exception handling while parsing of CoAP messages · Issue #16 · Tanganelli/CoAPthon3 · GitHub	Exploit Issue Tracking Third Party Advisory	MISC github.com/Tanganelli/CoAPthon3/issues/16

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Related QID Numbers

981141 Python (pip) Security Update for CoAPthon3 (GHSA-c6fm-rgw4-8q73)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Coapthon3 Project	Coapthon3	1.0	All	All	All
Application	Coapthon3 Project	Coapthon3	1.0.1	All	All	All
Application	Coapthon3 Project	Coapthon3	1.0	All	All	All
Application	Coapthon3 Project	Coapthon3	1.0.1	All	All	All
cpe:2.3:a:coapthon3_project:coapthon3:1.0:*:*:*:*:*:						
cpe:2.3:a:coapthon3_project:coapthon3:1.0.1:*:*:*:*:*:						
cpe:2.3:a:coapthon3_project:coapthon3:1.0:*:*:*:*:*:						
cpe:2.3:a:coapthon3_project:coapthon3:1.0.1:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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