CVE-2018-12680

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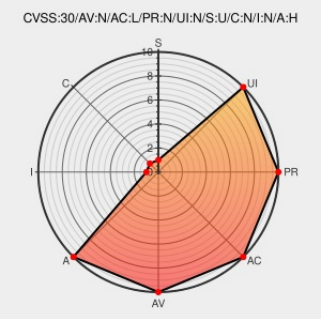

Certain versions of Coapthon from Coapthon Project contain the following vulnerability:

The Serialize.deserialize() method in CoAPthon 3.1, 4.0.0, 4.0.1, and 4.0.2 mishandles certain exceptions, leading to a denial of service in applications that use this library (e.g., the standard CoAP server, CoAP client, CoAP reverse proxy, example collect CoAP server and client) when they receive crafted CoAP messages.

CVE-2018-12680 has been assigned by 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 #135 · Tanganelli/CoAPthon · GitHub	Exploit, Issue Tracking, Third Party Advisory	MISC github.com/Tanganelli/CoAPthon/issues/135

github.com
text/html

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Related QID Numbers

981282 Python (pip) Security Update for CoAPthon (GHSA-5xc6-fpc7-4qvg)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Coapthon Project	Coapthon	3.1	All	All	All
Application	Coapthon Project	Coapthon	4.0.0	All	All	All
Application	Coapthon Project	Coapthon	4.0.1	All	All	All
Application	Coapthon Project	Coapthon	4.0.2	All	All	All
Application	Coapthon Project	Coapthon	3.1	All	All	All
Application	Coapthon Project	Coapthon	4.0.0	All	All	All
Application	Coapthon Project	Coapthon	4.0.1	All	All	All
Application	Coapthon Project	Coapthon	4.0.2	All	All	All

cpe:2.3:a:coapthon_project:coapthon:3.1:*:*:*:*:*:*:*:

cpe:2.3:a:coapthon_project:coapthon:4.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:coapthon_project:coapthon:4.0.1:*:*:*:*:*:*:*:

cpe:2.3:a:coapthon_project:coapthon:4.0.2:*:*:*:*:*:*:*:

cpe:2.3:a:coapthon_project:coapthon:3.1:*:*:*:*:*:*:*:

cpe:2.3:a:coapthon_project:coapthon:4.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:coapthon_project:coapthon:4.0.1:*:*:*:*:*:*:*:

cpe:2.3:a:coapthon_project:coapthon:4.0.2:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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