CVE-2016-6580

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CVE-2016-6580

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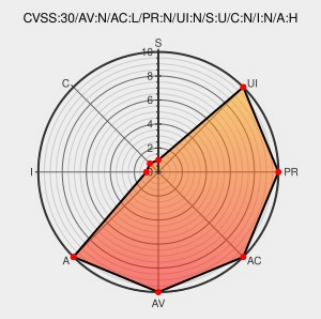

Certain versions of Python Priority Library from Python contain the following vulnerability:

A HTTP/2 implementation built using any version of the Python priority library prior to version 1.2.0 could be targeted by a malicious peer by having that peer assign priority information for every possible HTTP/2 stream ID. The priority tree would happily continue to store the priority information for each stream, and would therefore allocate unbounded amounts of memory. Attempting to actually use a tree like this would also cause extremely high CPU usage to maintain the tree.

CVE-2016-6580 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
Maze Found | Read the Docs	Mitigation	CONFIRM python

Maze Found | Read the Docs	Mitigation Vendor Advisory python-hyper.org text/html Inactive Link Not Archived	CONFIRM python-hyper.org/priority/en/latest/security/CVE-2016-6580.html
Python priority CVE-2016-6580 Remote Denial of Service Vulnerability	Third Party Advisory VDB Entry cve.report (archive) text/html	BID 92311

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Python	Python Priority Library	1.0.0	All	All	All
Application	Python	Python Priority Library	1.1.0	All	All	All
Application	Python	Python Priority Library	1.1.1	All	All	All
Application	Python	Python Priority Library	1.0.0	All	All	All
Application	Python	Python Priority Library	1.1.0	All	All	All
Application	Python	Python Priority Library	1.1.1	All	All	All

cpe:2.3:a:python:python_priority_library:1.0.0:*:*:*:*:*:*:*

cpe:2.3:a:python:python_priority_library:1.1.0:*:*:*:*:*:*:*

cpe:2.3:a:python:python_priority_library:1.1.1:*:*:*:*:*:*:*

cpe:2.3:a:python:python_priority_library:1.0.0:*:*:*:*:*:*:*

cpe:2.3:a:python:python_priority_library:1.1.0:*:*:*:*:*:*:*

cpe:2.3:a:python:python_priority_library:1.1.1:*:*:*:*:*:*:*

No vendor comments have been submitted for this CVE

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