



CVE-2017-16616

Published on: 11/07/2017 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:26:38 PM UTC

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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:H/I:H/A:H



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

An exploitable vulnerability exists in the YAML parsing functionality in the YAMLParser method in Interfaces.py in PyAnyAPI before 0.6.1. A YAML parser can execute arbitrary Python commands resulting in command execution because load is used where safe_load should have been used. An attacker can insert Python into loaded YAML to

trigger this vulnerability.

CVE-2017-16616 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **7.5 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
CVE-2017-16616: YAMLParser in PyAnyAPI - Joel	Third Party Advisory joel-malwarebenchmark.github.io	MISC joel-malwarebenchmark.github.io/blog/2017/11/08/cve-

text/html

2017-16616-yamlparser-in-pyanyapi/

YAMLParse method is vulnerable · Issue #41 · Stranger6667/pyanyapi · GitHub

Issue Tracking

github.com

text/html

CONFIRM

github.com/Stranger6667/pyanyapi/issues/41

pyanyapi · PyPI

Product

pypi.python.org

text/html

CONFIRM

pypi.python.org/pypi/pyanyapi/0.6.1

Release Release 0.6.1 · Stranger6667/pyanyapi · GitHub

Release Notes

github.com

text/html

CONFIRM

github.com/Stranger6667/pyanyapi/releases/tag/0.6.1

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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	Pyanyapi Project	Pyanyapi	All	All	All	All
Application	Pyanyapi Project	Pyanyapi	All	All	All	All

cpe:2.3:a:pyanyapi_project:pyanyapi:*.***.***.***

cpe:2.3:a:pyanyapi_project:pyanyapi:*.***.***.***

No vendor comments have been submitted for this CVE

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