CVE-2019-17526

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CVE-2019-17526

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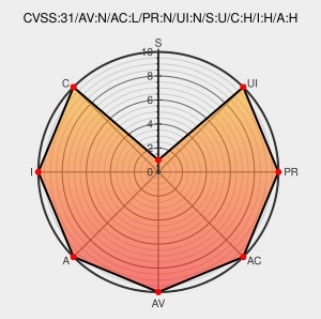

Certain versions of Sagemathcell from Sagemath contain the following vulnerability:

** DISPUTED ** An issue was discovered in SageMath Sage Cell Server through 2019-10-05. Python Code Injection can occur in the context of an internet facing web application. Malicious actors can execute arbitrary commands on the underlying operating system, as demonstrated by an __import__('os').popen('whoami').read() line. NOTE: the vendor's position is that the product is "vulnerable by design" and the current behavior will be retained.

CVE-2019-17526 has been assigned by 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: 10 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
CVE-2019-17526 - GitHub	Exploit	MISC

CVE-2019-17526 · GitHub	Exploit Third Party Advisory gist.github.com text/html	MISC gist.github.com/barrett092/0380a1c34c014e29b827d1f408381525
SethSec: Exploiting Python Code Injection in Web Applications	Exploit Third Party Advisory sethsec.blogspot.com text/html	MISC sethsec.blogspot.com/2016/11/exploiting-python-code-injection-in-web.html
Commits · sagemath/sagecell · GitHub	Patch github.com text/html	MISC github.com/sagemath/sagecell/commits/master

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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	Sagemath	Sagemathcell	All	All	All	All
Application	Sagemath	Sagemathcell	All	All	All	All

cpe:2.3:a:sagemath:sagemathcell:*:*:*:*:*:*:*:*:

cpe:2.3:a:sagemath:sagemathcell:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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