



CVE-2019-20478

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Ruamel.yaml](#) from [Ruamel.yaml Project](#) contain the following vulnerability:

In ruamel.yaml through 0.16.7, the load method allows remote code execution if the application calls this method with an untrusted argument. In other words, this issue affects developers who are unaware of the need to use methods such as `safe_load` in these use cases.

CVE-2019-20478 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: **10 - HIGH**

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

CVE References

Description	Tags	Link
YAML Deserialization Attack in Python - Python papers Exploit	Third Party Advisory VDB Entry www.exploit-db.com Proof of Concept	MISC www.exploit-db.com/exploits/47655

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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	Ruamel.yaml Project	Ruamel.yaml	All	All	All	All
cpe:2.3:a:ruamel.yaml_project:ruamel.yaml:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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