CVE-2017-16618

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CVE-2017-16618

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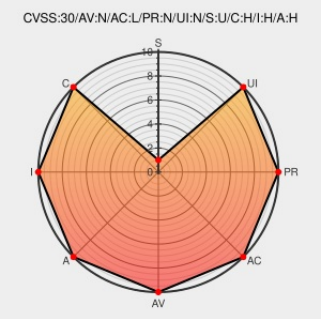

Certain versions of Owlmixin from Owlmixin Project contain the following vulnerability:

An exploitable vulnerability exists in the YAML loading functionality of util.py in OwlMixin before 2.0.0a12. A "Load YAML" string or file (aka load_yaml or load_yamlf) 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-2017-16618 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: 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
load_yaml and load_yamlf methods is vulnerable · Issue	Exploit Patch	CONFIRM github.com/tadashi-aikawa/owlmixin/issues/12

#12 · tadashi-aikawa/owlmixin · GitHub	Third Party Advisory github.com text/html	
:scream: Fix vulnerability of `load_yaml` and `load_yamlf` (#12) · tadashi-aikawa/owlmixin@5d05753 · GitHub	Patch Third Party Advisory github.com text/html	CONFIRM github.com/tadashi-aikawa/owlmixin/commit/5d0575303f6df869a515ced4285f24ba721e0d4e
CVE-2017-16618: Convert through OwlMixin - Joel	Exploit Third Party Advisory joel-malwarebenchmark.github.io text/html	MISC joel-malwarebenchmark.github.io/blog/2017/11/08/cve-2017-16618-convert-through-owlmixin/

Related QID Numbers

981133 Python (pip) Security Update for owlmixin (GHSA-ccmq-qvcp-5mrm)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Owlmixin Project	Owlmixin	All	All	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha1	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha10	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha11	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha2	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha3	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha4	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha5	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha6	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha7	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha8	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha9	All	All
Application	Owlmixin Project	Owlmixin	All	All	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha1	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha10	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha11	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha2	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha3	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha4	All	All

Application	Owlmixin Project	Owlmixin	2.0.0	alpha5	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha6	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha7	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha8	All	All
Application	Owlmixin Project	Owlmixin	2.0.0	alpha9	All	All

cpe:2.3:a:owlmixin_project:owlmixin:*:*:*:*:*:*:*:*:

cpe:2.3:a:owlmixin_project:owlmixin:2.0.0:alpha1:*:*:*:*:*:*:

cpe:2.3:a:owlmixin_project:owlmixin:2.0.0:alpha10:*:*:*:*:*:*:

cpe:2.3:a:owlmixin_project:owlmixin:2.0.0:alpha11:*:*:*:*:*:*:

cpe:2.3:a:owlmixin_project:owlmixin:2.0.0:alpha2:*:*:*:*:*:*:

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cpe:2.3:a:owlmixin_project:owlmixin:2.0.0:alpha6:*:*:*:*:*:*:

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cpe:2.3:a:owlmixin_project:owlmixin:2.0.0:alpha8:*:*:*:*:*:*:

cpe:2.3:a:owlmixin_project:owlmixin:2.0.0:alpha9:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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