CVE-2017-11428

Published on: 04/17/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:26:24 PM UTC

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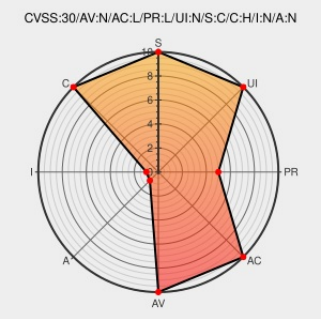

Certain versions of Ruby-saml from Onelogin contain the following vulnerability:

OneLogin Ruby-SAML 1.6.0 and earlier may incorrectly utilize the results of XML DOM traversal and canonicalization APIs in such a way that an attacker may be able to manipulate the SAML data without invalidating the cryptographic signature, allowing the attack to potentially bypass authentication to SAML service providers.

CVE-2017-11428 has been assigned by security@duo.com to track the vulnerability - currently rated as CRITICAL severity.

Affected Vendor/Software: **OneLogin** - **Ruby-SAML** version **1.6.0**

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
Duo Finds SAML Vulnerabilities Affecting Multiple Implementations | Duo	Exploit	MISC duo.com/blog/duo-finds-

Security	Technical Description Third Party Advisory duo.com text/html	saml-vulnerabilities-affecting-multiple-implementations
Vulnerability Note VU#475445 - Multiple SAML libraries may allow authentication bypass via incorrect XML canonicalization and DOM traversal	Third Party Advisory US Government Resource www.kb.cert.org text/html	MISC www.kb.cert.org/vuls/id/475445

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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	Onelogin	Ruby-saml	All	All	All	All

cpe:2.3:a:onelogin:ruby-saml:*:*:*:*:*:*:*:*:

Discovery Credit

Kelby Ludwig of Duo Security

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