

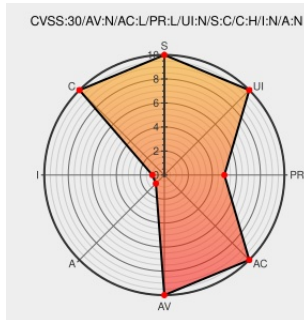


CVE-2017-11429

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

Last Modified on: 03/23/2021 11:26:25 PM UTC

CVE-2017-11429

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

Certain versions of [Saml2-js](#) from [Clever](#) contain the following vulnerability:

Clever saml2-js 2.0 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-2017-11429 has been assigned by security@duo.com to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: **Clever** - **saml2-js** version **1.0**

Affected Vendor/Software: **Clever** - **saml2-js** version **2.0**

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	Taas	Link
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Duo Finds SAML Vulnerabilities Affecting Multiple Implementations | Duo Security

Exploit

Technical Description

Third Party Advisory

duo.com

text/html

MISC

duo.com/blog/duo-finds-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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Related QID Numbers

982292 Nodejs (npm) Security Update for saml2-js (GHSA-5p5w-j3g7-w4wv)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Clever	Saml2-js	All	All	All	All

cpe:2.3:a:clever:saml2-js:*****:.*

Discovery Credit

Kelby Ludwig of Duo Security

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