# CVE-2018-5387

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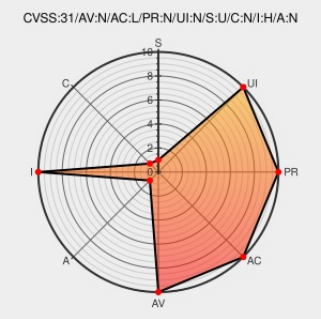
## CVE-2018-5387

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF




Certain versions of Samlbase from Wizkunde contain the following vulnerability:

Wizkunde SAMLBase 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-2018-5387 has been assigned by cert@cert.org to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **Wizkunde** - **SAMLBase** version **< 1.2.7**

### CVSS3 Score: 7.5 - HIGH

| Attack Vector | Attack Complexity | Privileges Required | User Interaction |
|---|---|---|---|
| NETWORK | LOW | NONE | NONE |
| **Scope** | **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| UNCHANGED | NONE | HIGH | NONE |

### CVSS2 Score: 5 - MEDIUM

| Access Vector | Access Complexity | Authentication |
|---|---|---|
| NETWORK | LOW | NONE |
| **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| NONE | PARTIAL | NONE |

### CVE References

| Description | Tags | Link |
|---|---|---|
| Duo Finds SAML Vulnerabilities | Exploit | MISC duo.com/blog/duo-finds-saml-vulnerabilities-affecting-multiple-imple |

| | | |
|---|---|---|
| Affecting Multiple Implementations \| Duo Security | Third Party Advisory<br>duo.com<br>text/html | |
| VU#475445 - Multiple SAML libraries may allow authentication bypass via incorrect XML canonicalization and DOM traversal | Third Party Advisory<br>US Government Resource<br>www.kb.cert.org<br>text/html | CERT-VN VU#475445 |
| Fixed comment vulnerability in verifying signatures · GoGentoOSS/SAMLBase@482cdf8 · GitHub | github.com<br>text/html | CONFIRM github.com/GoGentoOSS/SAMLBase/commit/482cdf8c090e0f1179073034el |
| SAML Vulnerability · Issue #3 · GoGentoOSS/SAMLBase · GitHub | github.com<br>text/html | CONFIRM github.com/GoGentoOSS/SAMLBase/issues/3 |

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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 | Wizkunde | Samlbase | All | All | All | All |
| Application | Wizkunde | Samlbase | - | All | All | All |
| Application | Wizkunde | Samlbase | - | All | All | All |

cpe:2.3:a:wizkunde:samlbase:*:*:*:*:*:*:*:*:

cpe:2.3:a:wizkunde:samlbase:-:*:*:*:*:*:*:*:

cpe:2.3:a:wizkunde:samlbase:-:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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