# CVE-2020-36255

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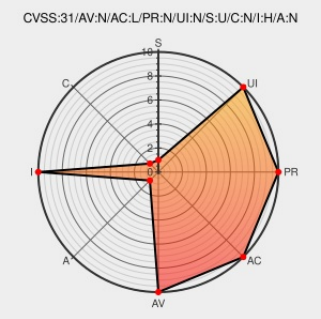
## CVE-2020-36255

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




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

An issue was discovered in IdentityModel (aka ScottBrady.IdentityModel) before 1.3.0. The Branca implementation allows an attacker to modify and forge authentication tokens.

CVE-2020-36255 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

### 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 |
|---|---|---|
| Poly1305 key misuse - attackers can forge authenticated tokens · Issue #3 · scottbrady91/IdentityModel · GitHub | Broken Link, Issue Tracking, Third Party Advisory, github.com, text/html | MISC github.com/scottbrady91/IdentityModel/issues/3 |

| | | |
|---|---|---|
| Comparing 1.2.0...1.3.0 · scottbrady91/IdentityModel · GitHub | Patch<br>Release Notes<br>Third Party Advisory<br>github.com<br>text/html | MISC<br>github.com/scottbrady91/IdentityModel/compare/1.2.0...1.3.0 |
| Unauthenticated ciphertext - attackers can modify tokens · Issue #4 · scottbrady91/IdentityModel · GitHub | Broken Link<br>Issue Tracking<br>Third Party Advisory<br>github.com<br>text/html | MISC github.com/scottbrady91/IdentityModel/issues/4 |



There are currently no QIDs associated with this CVE

## Known Affected Configurations (CPE V2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Application | Identitymodel Project | Identitymodel | All | All | All | All |
| Application | Identitymodel Project | Identitymodel | All | All | All | All |

cpe:2.3:a:identitymodel_project:identitymodel:*:*:*:*:*:*:*:*:

cpe:2.3:a:identitymodel_project:identitymodel:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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