# CVE-2017-18924

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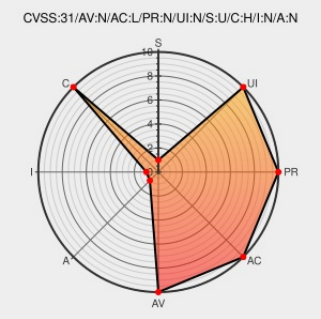
## CVE-2017-18924

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




Certain versions of Oauth2-server from Oauth2-server Project contain the following vulnerability:

** DISPUTED ** oauth2-server (aka node-oauth2-server) through 3.1.1 implements OAuth 2.0 without PKCE. It does not prevent authorization code injection. This is similar to CVE-2020-7692. NOTE: the vendor states 'As RFC7636 is an extension, I think the claim in the Readme of "RFC 6749 compliant" is valid and not misleading and I also therefore wouldn't describe this as a "vulnerability" with the library per se.'

CVE-2017-18924 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 | HIGH | NONE | NONE |

### CVSS2 Score: 5 - MEDIUM

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

### CVE References

| Description | Tags | Link |
|---|---|---|
| RFC 7636 - Proof Key for Code Exchange by OAuth Public Clients | Third Party Advisory<br>tools.ietf.org | MISC tools.ietf.org/html/rfc7636 |

| | | |
|---|---|---|
| | text/html | |
| PKCE by visvk · Pull Request #452 · oauthjs/node-oauth2-server · GitHub | Patch<br>Third Party Advisory<br>github.com<br>text/html | MISC github.com/oauthjs/node-oauth2-server/pull/452 |
| draft-ietf-oauth-security-topics-15 - OAuth 2.0 Security Best Current Practice | Exploit<br>Third Party Advisory<br>tools.ietf.org<br>text/html | MISC tools.ietf.org/html/draft-ietf-oauth-security-topics-15 |
| Multiple Security Vulnerabilities in Auth and Token Endpoint · Issue #637 · oauthjs/node-oauth2-server · GitHub | Exploit<br>Third Party Advisory<br>github.com<br>text/html | MISC github.com/oauthjs/node-oauth2-server/issues/637 |
| Missing the Point in Securing OAuth 2.0 \| by John Tucker \| codeburst | Third Party Advisory<br>codeburst.io<br>text/html | MISC codeburst.io/missing-the-point-in-securing-oauth-2-0-83968708b467 |



## Related QID Numbers

982722 Nodejs (npm) Security Update for oauth2-server (GHSA-2fw4-mgq9-39cx)

## Known Affected Configurations (CPE V2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Application | Oauth2-server Project | Oauth2-server | All | All | All | All |

cpe:2.3:a:oauth2-server_project:oauth2-server:*:*:*:*:*:node.js:*:*:

No vendor comments have been submitted for this CVE

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