

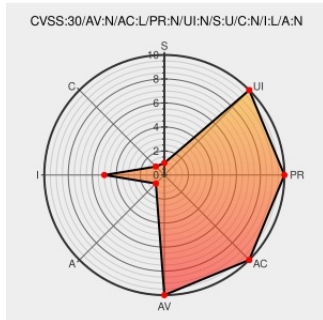


# CVE-2018-1000539

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## CVE-2018-1000539

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

Certain versions of [Json-jwt](#) from [Json-jwt Project](#) contain the following vulnerability:

Nov json-jwt version  $\geq 0.5.0$  &  $< 1.9.4$  contains a CWE-347: Improper Verification of Cryptographic Signature vulnerability in Decryption of AES-GCM encrypted JSON Web Tokens that can result in Attacker can forge a authentication tag. This attack appear to be exploitable via network connectivity. This vulnerability appears to have been fixed in 1.9.4 and later.

CVE-2018-1000539 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.3 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>LOW</b>          | <b>NONE</b>         |

CVSS2 Score: **5 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>PARTIAL</b>    | <b>NONE</b>         |

## CVE References

| Description                                                                           | Tags                                                               | Link                                                 |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------|
| Verify the GCM auth tag length by bdewater · Pull Request #62 · nov/json-jwt · GitHub | <a href="#">Third Party Advisory</a><br><a href="#">github.com</a> | <a href="#">MISC github.com/nov/json-jwt/pull/62</a> |

[text/html](#)

Debian -- Security Information -- DSA-4283-1 ruby-json-jwt

[www.debian.org](https://www.debian.org) DEBIAN DSA-4283[Deprecated Link](#)[text/html](#)

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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                                | <a href="#">Json-jwt Project</a> | <a href="#">Json-jwt</a> | All     | All    | All     | All      |
| Application                                | <a href="#">Json-jwt Project</a> | <a href="#">Json-jwt</a> | All     | All    | All     | All      |
| cpe:2.3:a:json-jwt_project:json-jwt:*****: |                                  |                          |         |        |         |          |
| cpe:2.3:a:json-jwt_project:json-jwt:*****: |                                  |                          |         |        |         |          |

No vendor comments have been submitted for this CVE

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