

Improper Verification of Cryptographic Signature

Affecting [org.webjars.bowergithub.kjur:jsrsasign](#) package, versions [0,]

INTRODUCED: 13 JUN 2022 [CVE-2022-25898](#) ?
[CWE-347](#) ?

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How to fix?

A fix was pushed into the `master` branch but not yet published.

Overview

[org.webjars.bowergithub.kjur:jsrsasign](#) is a free pure JavaScript cryptographic library.

Affected versions of this package are vulnerable to Improper Verification of Cryptographic Signature when `JWS` or `JWT` signature with non Base64URL encoding special characters or number escaped characters may be validated as valid by mistake.

Workaround:

Validate JWS or JWT signature if it has Base64URL and dot safe string before executing `JWS.verify()` or `JWS.verifyJWT()` method.

PoC:

```
var KJUR = require('jsrsasign'); var rsu =  
require('jsrsasign-util'); // jsrsasign@10.5.24 ////  
creating valid hs256 jwt - code used to get valid  
hs256 jwt. // var oHeader = {alg: 'HS256', typ:  
'JWT'}; // // Payload // var oPayload = {}; // var
```



Snyk CVSS

Exploit Maturity Proof of concept ?

Attack Complexity High ?

Scope Changed ?

Availability HIGH ?

[See more](#)

> NVD

9.8 CRITICAL

Do your applications use this vulnerable package?

In a few clicks we can analyze your entire application and see what components are

vulnerable in your application, and suggest you quick fixes.

◀ ▶

Found a mistake?

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