snyk Vulnerability DB

Snyk Vulnerability Database > npm > jsen

Arbitrary Code Execution

Affecting jsen package, versions *



INTRODUCED: 1 OCT 2020	CVE-2020-7777 ②	CWE-94 ②	FIRST ADDED BY SNYK	Share	~
How to fix?					
There is no fixed version	n for ison				
There is no fixed version					

Overview

jsen is a JSON-Schema validator built for speed

Affected versions of this package are vulnerable to Arbitrary Code Execution. If an attacker can control the schema file, it could run arbitrary JavaScript code on the victim machine. In the module description and README file there is no mention about the risks of untrusted schema files, so I assume that this is applicable.

In particular the required field of the schema is not properly sanitized. The resulting string that is build based on the schema definition is then passed to a Function.apply(); , leading to an Arbitrary Code Execution.

PoC

References

Vulnerable Code

Snyk CVSS		
Exploit Maturity	Proof of concept @)
Attack Complexity	Low @	•
Privileges Required	HIGH	•
Confidentiality	HIGH	•
Integrity	HIGH	•
Availability	HIGH	•
See more		-
> NVD	(7.2 HIGH)
	alyze your entire application and see nerable in your application, and	
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Snyk ID	SNYK-JS-JSEN-1014670	0
Published	23 Nov 2020	0
Disclosed	1 Oct 2020	0
Credit	Alessio Della Libera (d3lla	1)

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