

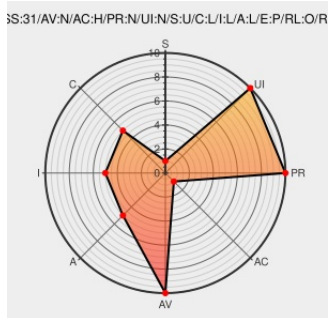


CVE-2021-23509

Published on: 11/03/2021 12:00:00 AM UTC

Last Modified on: 11/17/2021 09:38:18 PM UTC

CVE-2021-23509

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

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

This affects the package json-ptr before 3.0.0. A type confusion vulnerability can lead to a bypass of CVE-2020-7766 when the user-provided keys used in the pointer parameter are arrays.

CVE-2021-23509 has been assigned by [report@snyk.io](#) to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
Prototype Pollution in json-ptr Snyk	snyk.io text/html	MISC snyk.io/vuln/SNYK-JS-JSONPTR-1577291
GitHub - flitbit/json-ptr: A complete implementation of JSON Pointer (RFC 6901) for nodejs and modern browsers.	github.com text/html	MISC github.com/flitbit/json-ptr%23security-vulnerabilities-resolved

Vulnerability fix and packaging rollout by cerebralkungfu · Pull Request #42 · flitbit/json-ptr · GitHub	github.com text/html	MISC github.com/flitbit/json-ptr/pull/42
Fixed vulnerability reported by Snyk · flitbit/json-ptr@5dc458f · GitHub	github.com text/html	MISC github.com/flitbit/json-ptr/commit/5dc458fbad1c382a2e3ca6d62e66ede3d92849ca
Prototype Pollution in org.webjars.npm:json-ptr Snyk	snyk.io text/html	MISC snyk.io/vuln/SNYK-JAVA-ORGWEBJARSNPM-1767165

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

Related QID Numbers

[980210](#) Nodejs (npm) Security Update for json-ptr (GHSA-8gwj-8hxc-285w)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Json-ptr Project	Json-ptr	All	All	All	All
cpe:2.3:a:json-ptr_project:json-ptr:*****:						

Discovery Credit

Alessio Della Libera of Snyk Research Team

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-23509 : This affects the package json-ptr before 3.0.0. A type confusion vulnerability can lead to a bypa... twitter.com/i/web/status/1...	2021-11-03 17:32:33

[← Previous ID](#)

[Next ID →](#)

© [CVE.report](#) 2023 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)