CVE-2021-23507

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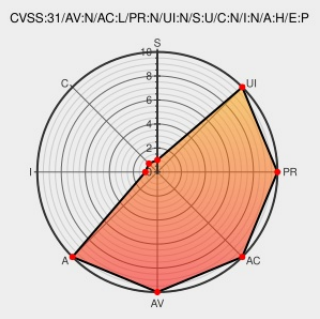
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Object-path-set from Skratchdot contain the following vulnerability:

The package object-path-set before 1.0.2 are vulnerable to Prototype Pollution via the setPath method, as it allows an attacker to merge object prototypes into it. *Note:* This vulnerability derives from an incomplete fix in https://security.snyk.io/vuln/SNYK-JS-OBJECTPATHSET-607908

CVE-2021-23507 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
fix new prototype pollution vulnerability · skratchdot/object-path-set@2d67a71 · GitHub	github.com text/html	MISC github.com/skratchdot/object-path-set/commit/2d67a714159c4099589b6661fa84e6d2adc31761
JavaScript type confusion: Bypassed input validation	snyk.io	MISC snyk.io/blog/remediate-javascript-type-confusion-bypassed-

JavaScript type confusion: Bypassed input validation (and how to remediate) | Snyk	snyk.io text/html	MISC snyk.io/blog/remediate-javascript-type-confusion-bypassed-input-validation/
Prototype Pollution in object-path-set | CVE-2021-23507 | Snyk	snyk.io text/html	MISC snyk.io/vuln/SNYK-JS-OBJECTPATHSET-2388576
object-path-set/index.js at 577f5299fed15bb9edd11c940ff3cf0b9f4748d5 · skratchdot/object-path-set · GitHub	github.com text/html	MISC github.com/skratchdot/object-path-set/blob/577f5299fed15bb9edd11c940ff3cf0b9f4748d5/index.js%23L8

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Skratchdot	Object-path-set	All	All	All	All

cpe:2.3:a:skratchdot:object-path-set:*:*:*:*:*:*:*:*:

Discovery Credit

P.Adithya Srinivas

Masudul Hasan Masud Bhuiyan

Cristian-Alexandru Staicu

Alessio Della Libera

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-23507 : The package object-path-set before 1.0.2 are vulnerable to Prototype Pollution via the setPath met… twitter.com/i/web/status/1…	2022-02-04 20:14:33
/r/netcve	CVE-2021-23507	2022-02-04 21:38:41

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