CVE-2021-23518

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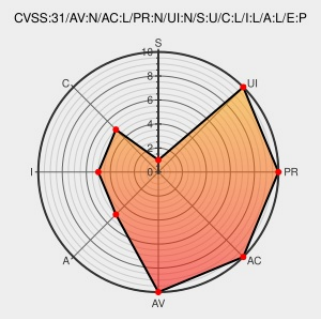
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Cached-path-relative from Cached-path-relative Project contain the following vulnerability:

The package cached-path-relative before 1.1.0 are vulnerable to Prototype Pollution via the cache variable that is set as {} instead of Object.create(null) in the cachedPathRelative function, which allows access to the parent prototype properties when the object is used to create the cached relative path. When using the origin path as __proto__, the attribute of the object is accessed instead of a path. **Note:** This vulnerability derives from an incomplete fix in https://security.snyk.io/vuln/SNYK-JS-CACHEDPATHRELATIVE-72573

CVE-2021-23518 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 cached-path-relative | CVE-2021-23518 | Snyk	snyk.io text/html	MISC snyk.io/vuln/SNYK-JS-CACHEDPATHRELATIVE-2342653
Prototype Pollution in org.webjars.npm:cached-path-relative | CVE-2021-23518 | Snyk	snyk.io text/html	MISC snyk.io/vuln/SNYK-JAVA-ORGWEBJARSNPM-2348246
Fix other instances of prototype pollution vulnerability · ashaffer/cached-path-relative@40c73bf · GitHub	github.com text/html	MISC github.com/ashaffer/cached-path-relative/commit/40c73bf70c58add5aec7d11e4f36b93d144bb760
[SECURITY] [DLA 3221-1] node-cached-path-relative security update	lists.debian.org text/html	MLIST [debian-lts-announce] 20221204 [SECURITY] [DLA 3221-1] node-cached-path-relative security update

Related QID Numbers

179425 Debian Security Update for node-cached-path-relative (CVE-2021-23518)

181288 Debian Security Update for node-cached-path-relative (DLA 3221-1)

Exploit/POC from Github

This repository contains a collection of data files on known Common Vulnerabilities and Exposures (CVEs). Each file i…

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Cached-path-relative Project	Cached-path-relative	All	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All

cpe:2.3:a:cached-path-relative_project:cached-path-relative:*:*:*:*:*:node.js:*:*:

cpe:2.3:o:debian:debian_linux:10.0:*:*:*:*:*:*:*:

Discovery Credit

P.Adithya Srinivas

Masudul Hasan Masud Bhuiyan

Cristian-Alexandru Staicu

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-23518 : The package cached-path-relative before 1.1.0 are vulnerable to Prototype Pollution via the cache… twitter.com/i/web/status/1…	2022-01-21 20:12:59

@xanadulinux	CVE-2021-23518 ift.tt/3FK8Eux	2022-01-21 22:06:05
/r/netcve	CVE-2021-23518	2022-01-21 21:54:38

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