

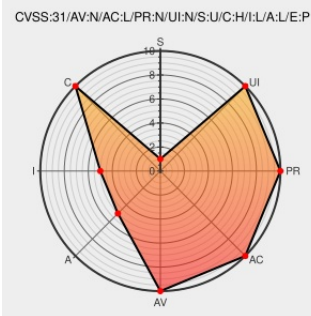


CVE-2021-23452

Published on: 10/20/2021 12:00:00 AM UTC

Last Modified on: 12/02/2022 07:34:00 PM UTC

CVE-2021-23452

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

Certain versions of [X-assign](#) from [Binaryops](#) contain the following vulnerability:

This affects all versions of package x-assign. The global proto object can be polluted using the `__proto__` object.

CVE-2021-23452 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 x-assign Snyk	snyk.io text/html	MISC snyk.io/vuln/SNYK-JS-XASSIGN-1759314
RunKit	runkit.com text/html	MISC runkit.com/embed/sq8qjwemyn8t

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Related QID Numbers

980260 Nodejs (npm) Security Update for x-assign (GHSA-4mvj-rq4v-2fxw)

Exploit/POC from Github

This affects all versions of package x-assign. The global proto object can be polluted using the `__proto__` object. CV...

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Binaryops	X-assign	All	All	All	All
Application	Binaryops	X-assign	All	All	All	All
cpe:2.3:a:binaryops:x-assign:*:*:*:*:node.js:*:*						
cpe:2.3:a:binaryops:x-assign:*:*:*:*:node.js:*:*						

Discovery Credit

Jayateertha Guruprasad

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-23452 : This affects all versions of package x-assign. The global proto object can be polluted using the... twitter.com/i/web/status/1...	2021-10-20 12:15:50
 @Robo_Alerts	Potentially Critical CVE Detected! CVE-2021-23452 Description: This affects all versions of package x-assign. The g... twitter.com/i/web/status/1...	2021-10-20 14:00:09

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