



CVE-2019-18413

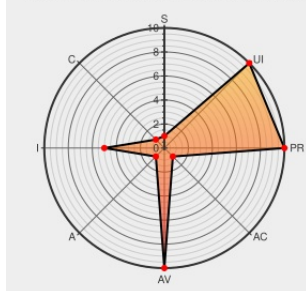
Published on: 10/24/2019 12:00:00 AM UTC

Last Modified on: 02/28/2023 03:10:00 PM UTC

CVE-2019-18413

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

CVSS:31/AC:H/AV:N/A:N/C:N/I:L/PR:N/S:U/UI:N



Certain versions of [Typestack Class-validator](#) from [Typestack Class-validator Project](#) contain the following vulnerability:

In TypeStack class-validator 0.10.2, validate() input validation can be bypassed because certain internal attributes can be overwritten via a conflicting name. Even though there is an optional forbidUnknownValues parameter that can be used to reduce the risk of this bypass, this option is not documented and thus most developers

configure input validation in the vulnerable default manner. With this vulnerability, attackers can launch SQL Injection or XSS attacks by injecting arbitrary malicious input. NOTE: a software maintainer agrees with the "is not documented" finding but suggests that much of the responsibility for the risk lies in a different product.

CVE-2019-18413 has been assigned by [M](#) cve@mitre.org 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
GitHub - typestack/class-validator: Validation made easy using TypeScript decorators.	github.com text/html	 MISC github.com/typestack/class-validator#passing-options
class-validator arbitrary bypass vulnerability · Issue #438 · typestack/class-validator · GitHub	github.com text/html	 MISC github.com/typestack/class-validator/issues/438#issuecomment-964728471
class-validator arbitrary bypass vulnerability · Issue #438 · typestack/class-validator · GitHub	Exploit Issue Tracking Third Party Advisory github.com text/html	 MISC github.com/typestack/class-validator/issues/438
security: SNYK-JS-CLASSVALIDATOR-1730566 · Issue #1422 · typestack/class-validator · GitHub	github.com text/html	 MISC github.com/typestack/class-validator/issues/1422#issuecomment-1344635415

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

[980158](#) Nodejs (npm) Security Update for class-validator (GHSA-fj58-h2fr-3pp2)

Exploit/POC from Github

PoC for exploiting CVE-2019-18413 : In TypeStack class-validator 0.10.2, validate() input validation can be bypassed ...

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Typestack Class-validator Project	Typestack Class-validator	0.10.2	All	All	All
Application	Typestack Class-validator Project	Typestack Class-validator	0.10.2	All	All	All
cpe:2.3:a:typestack_class-validator_project:typestack_class-validator:0.10.2:*:*:*:*:*:						
cpe:2.3:a:typestack_class-validator_project:typestack_class-validator:0.10.2:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @4ng3n01r3	#CyberSecurity #Security #CERT #CVE #Nist #Analysed #breach #vulnerability : CVE-2019-18413 (typestack_class-valida... twitter.com/i/web/status/1...	2021-12-08 07:07:04
 @4ng3n01r3	#CyberSecurity #Security #CERT #CVE #Nist #Analysed #breach #vulnerability : CVE-2019-18413 (typestack_class-valida... twitter.com/i/web/status/1...	2021-12-11 03:07:15

[← 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](#)