



Immutable.js: Improperly Controlled Modification of Object Prototype Attributes ('Prototype Pollution') in immutable

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2026-29063
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-03-06 19:16:21 UTC
Updated	2026-04-17 21:32:18 UTC
Description	Immutable.js provides many Persistent Immutable data structures. Prior to versions 3.8.3, 4.3.7, and 5.1.5, Prototype Pollut

Risk And Classification

Primary CVSS: v4.0 8.7 HIGH from security-advisories@github.com

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Problem Types: CWE-1321 | CWE-1321 CWE-1321: Improperly Controlled Modification of Object Prototype Attributes ('Prototype Pollution')

Version	Source	Type	Score	Severity	Vector
4.0	security-advisories@github.com	Secondary	8.7	HIGH	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:N/VA:N/SC:N
4.0	CNA	DECLARED	8.7	HIGH	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:N/VA:N/SC:N
3.1	nvd@nist.gov	Primary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

None

Privileges Required

None

User Interaction

None

Confidentiality

High

Integrity

None

Availability

None

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Immutable-js	Immutable	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
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CNA	Immutable-js	Immutable-js	affected < 3.8.3	Not specified
CNA	Immutable-js	Immutable-js	affected < 4.3.7	Not specified
CNA	Immutable-js	Immutable-js	affected < 5.1.5	Not specified

References

Reference	Source	Link	Tags
github.com/immutable-js/immutable-js/releases/tag/v5.1.5	security-advisories@github.com	github.com	Release No
github.com/immutable-js/immutable-js/releases/tag/v3.8.3	security-advisories@github.com	github.com	Release No
github.com/immutable-js/immutable-js/security/advisories/GHSA-wf6x-7x77-...	security-advisories@github.com	github.com	Exploit, Ver
github.com/immutable-js/immutable-js/releases/tag/v4.3.8	security-advisories@github.com	github.com	Release No
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, i

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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