



simple-git has Command Execution via Option-Parsing Bypass

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

Summary

CVE	CVE-2026-28291
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-13 18:16:28 UTC
Updated	2026-04-17 15:38:09 UTC
Description	simple-git enables running native Git commands from JavaScript. Versions up to and including 3.31.1 allow execution of art

Risk And Classification

Primary CVSS: v3.1 8.1 HIGH from security-advisories@github.com

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

EPSS: 0.000950000 probability, percentile 0.263730000 (date 2026-04-18)

Problem Types: CWE-78 | CWE-78 CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	8.1	HIGH	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	DECLARED	8.1	HIGH	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Steveukx	Git-js	affected < 3.32.0	Not specified

References

Reference	Source	Link
github.com/steveukx/git-js/commit/1effd8e5012a5da05a9776512fac3e39b11f2d2d	security-advisories@github.com	github.com
www.cve.org/CVERecord	security-advisories@github.com	www.cve.org
github.com/steveukx/git-js/security/advisories/GHSA-jcxm-m3jx-f287	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com
github.com/steveukx/git-js/releases/tag/simple-git%403.32.0	security-advisories@github.com	github.com
github.com/steveukx/git-js/blob/789c13ebabcf18ebe0b3a0c88ebb4037dede42e3...	security-advisories@github.com	github.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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

© CVE.report 2026 |

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.

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report