

Command Injection

Affecting `git` package, versions <1.11.0

INTRODUCED: 11 MAR 2022 CVE-2022-25648 ?

CWE-78 ? FIRST ADDED BY SNYK

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How to fix?

Upgrade `git` to version 1.11.0 or higher.

Overview

`git` is a Ruby library that can be used to create, read and manipulate Git repositories by wrapping system calls to the `git` binary.

Affected versions of this package are vulnerable to Command Injection via `git` argument injection. When calling the `fetch(remote = 'origin', opts = {})` function, the `remote` parameter is passed to the `git fetch` subcommand in a way that additional flags can be set. The additional flags can be used to perform a command injection.

PoC

```
require "git" g = Git.init('project') origin = "-upload-pack=touch ./HELLO1;" g.fetch(origin, {:ref => 'some/ref/head'}) # ls -la
```

References

8.1

HIGH

Snyk CVSS

Exploit Maturity

Proof of concept ?

Attack Complexity High ?

Confidentiality HIGH ?

Integrity HIGH ?

Availability HIGH ?

See more

> NVD

9.8 CRITICAL

> Red Hat

9.8 CRITICAL

Do your applications use this vulnerable package?

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In a few clicks we can analyze your entire application and see what components are vulnerable in your application, and suggest you quick fixes.

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Snyk **SNYK-RUBY-GIT-ID 2421270**

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Credit **Alessio Della Libera**
of Snyk Research
Team

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Registered address: Highlands House, Basingstoke Road, Spencers Wood, Reading, Berkshire, RG7 1NT.