

Open Redirect

Affecting [koa-remove-trailing-slashes](#) package, versions <2.0.2

INTRODUCED: 15 MAR 2021 CVE-2021-23384 CWE-601 FIRST ADDED BY SNYK Share

How to fix?

Upgrade koa-remove-trailing-slashes to version 2.0.2 or higher.

Overview

koa-remove-trailing-slashes is a Koa middleware that makes sure all requests does not have trailing slashes

Affected versions of this package are vulnerable to Open Redirect via the use of trailing double slashes in the URL when accessing the vulnerable endpoint (such as https://example.com//attacker.example/). The vulnerable code is in index.js::removeTrailingSlashes() , as the web server uses relative URLs instead of absolute URLs.

PoC

```
// Run the code below to set up a vulnerable server instance // Then access http://localhost:3000//example.com
const Koa = require('koa'); const removeTrailingSlashes = require('koa-remove-trailing-slashes');

const app = new Koa();
app.use(removeTrailingSlashes());

app.use(ctx => { ctx.body = 'Hello World'; });

app.listen(3000);
```

References

- Vulnerable Code

PRODUCT

- Snyk Open Source
- Snyk Code
- Snyk Container
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- Test with CLI

RESOURCES

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MEDIUM

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Exploit Maturity	Proof of concept
Attack Complexity	Low
User Interaction	Required

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> NVD 5.4 MEDIUM

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Snyk ID	SNYK-JS-KOAREMOVETRAILINGSLASHES-1085708
Published	17 May 2021
Disclosed	15 Mar 2021
Credit	apple502j

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