



CVE-2020-1920

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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [React-native](#) from [Facebook](#) contain the following vulnerability:

A regular expression denial of service (ReDoS) vulnerability in the validateBaseUrl function can cause the application to use excessive resources, become unresponsive, or crash. This was introduced in react-native version 0.59.0 and fixed in version 0.64.1.

CVE-2020-1920 has been assigned by [cve-assign@fb.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Facebook](#) - **react-native** version **!>= 0.64.1**

Affected Vendor/Software: [Facebook](#) - **react-native** version **>= 0.59.0**

CVSS3 Score: **7.5 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
...	...	...

Release v0.64.1 · facebook/react-native · GitHub

github.com
text/html

CONFIRM github.com/facebook/react-native/releases/tag/v0.64.1

Update validateBaseUrl to use latest regex · facebook/react-native@ca09ae8 · GitHub

github.com
text/html

MISC github.com/facebook/react-native/commit/ca09ae82715e33c9ac77b3fa55495cf84ba891c7

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Related QID Numbers

981998 Nodejs (npm) Security Update for react-native (GHSA-7f53-fmmv-mfjv)

Exploit/POC from Github

PoC for exploiting CVE-2020-1920

Known Affected Configurations (CPE V2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Application	Facebook	React-native	All	All	All	All
cpe:2.3:a:facebook:react-native:*****.*.*						

No vendor comments have been submitted for this CVE

Social Mentions		
Source	Title	Posted (UTC)
@CVEreport	CVE-2020-1920 : A regular expression denial of service ReDoS vulnerability in the validateBaseUrl function can ca... twitter.com/i/web/status/1...	2021-06-01 12:48:33
@LinInfoSec	React - CVE-2020-1920: github.com/facebook/react...	2021-06-01 15:16:53
/r/netcve	CVE-2020-1920	2021-06-01 13:41:33