CVE-2021-4221

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CVE-2021-4221

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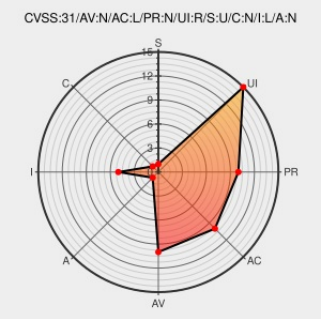

Certain versions of Android from Google contain the following vulnerability:

If a domain name contained a RTL character, it would cause the domain to be rendered to the right of the path. This could lead to user confusion and spoofing attacks.
This bug only affects Firefox for Android. Other operating systems are unaffected.
Note: Due to a clerical error this advisory was not included in the original announcement, and was added in Feburary 2022. This vulnerability affects Firefox < 92.

CVE-2021-4221 has been assigned by security@mozilla.org to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **Mozilla** - **Firefox** version **< 92**

CVSS3 Score: 4.3 - MEDIUM

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

CVE References

Description	Tags	Link
Security Vulnerabilities fixed in Firefox 92 — Mozilla	www.mozilla.org text/html	MISC www.mozilla.org/security/advisories/mfsa2021-38/
1704422 - (CVE-2021-4221) Address Bar Spoofing due to Arabic RTL characters	bugzilla.mozilla.org text/html	MISC bugzilla.mozilla.org/show_bug.cgi?id=1704422

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There are currently no QIDs associated with this CVE

Exploit/POC from Github

If a domain name contained a RTL character, it would cause the domain to be rendered to the right of the path. This c…

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Google	Android	-	All	All	All
Application	Mozilla	Firefox	All	All	All	All

cpe:2.3:o:google:android:-:*:*:*:*:*:*:*:

cpe:2.3:a:mozilla:firefox:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-4221 : If a domain name contained a RTL character, it would cause the domain to be rendered to the right o… twitter.com/i/web/status/1…	2022-12-22 21:08:33
@JohnJasonFallow	New vulnerability on the NVD: CVE-2021-4221 ift.tt/TJhN8G1	2022-12-22 21:16:57
/r/netcve	CVE-2021-4221	2022-12-22 21:39:57

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