



CVE-2021-28032

Published on: 03/05/2021 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:28:47 PM UTC

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Nano Arena](#) from [Nano Arena Project](#) contain the following vulnerability:

An issue was discovered in the nano_arena crate before 0.5.2 for Rust. There is an aliasing violation in split_at because two mutable references can exist for the same element, if Borrow<Idx> behaves in certain ways. This can have a resultant out-of-bounds write or use-after-free.

CVE-2021-28032 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
About RustSec › RustSec Advisory Database	Exploit Patch Third Party Advisory	MISC rustsec.org/advisories/RUSTSEC-2021-0031.html

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Nano Arena Project	Nano Arena	All	All	All	All
Application	Nano Arena Project	Nano Arena	All	All	All	All
cpe:2.3:a:nano_arena_project:nano_arena:*:*:*:*:rust:*:*:						
cpe:2.3:a:nano_arena_project:nano_arena:*:*:*:*:rust:*:*:						

No vendor comments have been submitted for this CVE

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