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RUSTSEC-2021-0031  $\mathsf{History} \cdot \mathsf{Edit}$ 

Reported

March 2, 2021 (last modified: October 19, 2021) Issued

Package nano\_arena (crates.io

Туре

Categories memory-corruption

#memory-safety #aliasing #unsound Keywords

Aliases CVE-2021-28032

Details https://github.com/bennetthardwick/nano-arena/issues/1

CVSS Score

CVSS Details

Attack vector

Attack complexity Low Privileges required None User interaction

Scope

Confidentiality Integrity Availability

CVSS Vector CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

Patched >=0.5.2

Affected Functions nano\_arena::Arena::split\_at <0.5.2

nano\_arena::ArenaSplit::split\_at <0.5.2

## Description

Affected versions of this crate assumed that Borrow<Idx> was guaranteed to return the same value on .borrow() . The borrowed index

If the Borrow<Idax> implementation returned a different index, the split arena would allow retrieving the index as a mutable reference

The flaw was corrected in commit 6b83f9d by storing the .borrow() value in a temporary variable.