



Look up package or ID...

[About](#) [Advisories](#) [Report Vulnerabilities](#)



RUSTSEC-2021-0040

[History](#) · [Edit](#)

panic safety: double drop or uninitialized drop of T upon panic

Reported January 12, 2021

Issued March 7, 2021 (last modified: October 19, 2021)

Package [arenavec](#) ([crates.io](#))

Type Vulnerability

Categories [memory-corruption](#)

Aliases [CVE-2021-29930](#)
[CVE-2021-29931](#)

Details <https://github.com/ibabushkin/arenavec/issues/1>

CVSS Score 7.5 HIGH

CVSS Details

Attack vector	Network
Attack complexity	Low
Privileges required	None
User interaction	None
Scope	Unchanged
Confidentiality	None
Integrity	None
Availability	High

CVSS Vector [CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H](#)

Patched no patched versions

Description

Affected versions of this crate did not guard against potential panics that may happen from user-provided functions `T::default()` and `T::drop()`.

Panic within `T::default()` leads to dropping uninitialized `T`, when it is invoked from `common::Slice::<T, H>::new()`. Panic within `T::drop()` leads to double drop of `T`, when it is invoked either from `common::SliceVec::<T, H>::resize_with()` or `common::SliceVec::<T, H>::resize()`.

Either case causes memory corruption in the heap memory.