

About Advisories

Report Vulnerabilities

RUSTSEC-2021-0012 $\mathsf{History} \cdot \mathsf{Edit}$

Reading uninitialized memory can cause UB (Deserializer::read_vec)

Reported

Issued

Package cdr (crates.io) Туре

Categories memory-exposure

Scope

CVE-2021-26305 Aliases

Details https://github.com/hrektts/cdr-rs/issues/10

CVSS Score

CVSS Details

Attack vector

Attack complexity Low Privileges required None User interaction

Confidentiality Integrity

Availability

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

>=0.2.4 Patched

Description

Deserializer::read_vec() created an uninitialized buffer and passes it to a user-provided Read implementation (Deserializer.reader.read_exact()).

Passing an uninitialized buffer to an arbitrary Read implementation is currently defined as undefined behavior in Rust. Official documentation for the Read trait explains the following: "It is your responsibility to make sure that buf is initialized before calling read.

Deserializer.reader.read_exact()