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RUSTSEC-2020-0082 $\mathsf{History} \cdot \mathsf{Edit}$

Reported

Issued

Package ordered-float (crates.io)

Туре Keywords #unwind

Aliases CVE-2020-35923

Details https://github.com/reem/rust-ordered-float/pull/71

CVSS Score

CVSS Details

Attack vector Attack complexity Privileges required Low User interaction Scope

Confidentiality Integrity Availability

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

Patched ^1.1.1

>=2.0.1

Unaffected <0.2.2

Description

After using an assignment operators such as NotNan::add_assign , NotNan::mul_assign , etc., it was possible for the resulting NotNan $value \ to \ contain \ a \ {\tt NaN} \ . \ This \ could \ cause \ undefined \ behavior \ in \ safe \ code, \ because \ the \ safe \ \ {\tt NotNan::cmp} \ \ method \ contains \ internal \ unsafe$ $code \ that \ assumes \ the \ value \ is \ never \ \ {\tt NaN} \ . \ (It \ could \ also \ cause \ undefined \ behavior \ in \ third-party \ unsafe \ code \ that \ makes \ the \ same$

that uses the NotNam value during unwinding, or that continues after catching the panic, could still observe the invalid value and trigger

result would be Nan