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RUSTSEC-2020-0079

 $\mathsf{History} \cdot \mathsf{Edit}$

socket2 invalidly assumes the memory layout of std::net::SocketAddr

Reported

Issued

Package socket2 (crates.io) Туре

#memory #layout #cast Keywords

CVE-2020-35920 Aliases

https://github.com/rust-lang/socket2-rs/issues/119 Details

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 >=0.3.16

Description

The socket2 crate has assumed std::net::SocketAddrV4 and std::net::SocketAddrV6 have the same memory layout as the system C representation sockaddr. It has simply casted the pointers to convert the socket addresses to the system representation. The