RUSTSEC-2020-0087

TryMutex allows sending non-Send type across threads

Reported	November 17, 2020
Issued	December 7, 2020 (last modified: October 19, 2021)
Package	try-mutex (crates.io)
Type	Vulnerability
Categories	thread-safety
Aliases	CVE-2020-35924
Details	https://github.com/mpdn/try-mutex/issues/2
CVSS Score	5.5 MEDIUM

CVSS Details

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

CVSS Vector	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
Patched	`>=0.3.0`

Description

Affected versions of this crate unconditionally implemented Sync trait for `TryMutex<T>` type.

This allows users to put non-Send `T` type in `TryMutex` and send it to another thread, which can cause a data race.

The flaw was corrected in the 0.3.0 release by adding `T: Send` bound for the Sync trait implementation.