RUSTSEC-2020-0096

TreeFocus lacks bounds on its Send and Sync traits

Reported	November 9, 2020
Issued	January 18, 2021 (last modified: June 7, 2022)
Package	im (crates.io)
Type	INFO Unsound
Categories	thread-safety
Aliases	CVE-2020-36204
Details	https://github.com/bodil/im-rs/issues/157
CVSS Score	4.7 MEDIUM

CVSS Details

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

CVSS Vector	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:N/I:N/A:H
Patched	`>=15.1.0`
Unaffected	`<12.0.0`

Description

Affected versions of `im` contains `TreeFocus` that unconditionally implements `Send` and `Sync`.

This allows a data race in safe Rust code if `TreeFocus` is extracted from `Focus` type. Typical users that only use `Focus` type are not affected.