RUSTSEC-2020-0134

History · Edit

`LockWeak<T>` allows to create data race to `T`.

Reported	November 14, 2020
Issued	January 30, 2021 (last modified: October 19, 2021)
Package	parc (crates.io)
Type	Vulnerability
Categories	memory-corruption
	thread-safety
Aliases	CVE-2020-36454
Details	https://github.com/hyyking/rustracts/pull/6
CVSS Score	8.1 HIGH

CVSS Details

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

CVSS Vector	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H
Patched	no patched versions

Description

In the affected versions of this crate, `LockWeak<T>` unconditionally implemented `Send` with no trait bounds on `T`. `LockWeak<T>` doesn't own `T` and only provides `&T`.

This allows concurrent access to a non-Sync `T`, which can cause undefined behavior like data races.