Look up package or ID...

RUSTSEC-2020-0102

LateStatic has incorrect Sync bound

Reported	November 10, 2020
Issued	January 20, 2021 (last modified: October 19, 2021)
Package	late-static (crates.io)
Type	Vulnerability
Categories	memory-corruption
	thread-safety
Aliases	CVE-2020-36209
Details	https://github.com/Richard-W/late-static/issues/1
CVSS Score	7 HIGH

CVSS Details

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

CVSS Vector	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:H/A:H
Patched	`>=0.4.0`

Description

Affected versions of this crate implemented `Sync` for `LateStatic` with `T: Send`, so that it is possible to create a data race to a type `T: Send + !Sync` (e.g. `Cell<T>`).

This can result in a memory corruption or other kinds of undefined behavior.

The flaw was corrected in commit 11f396c by replacing the `T: Send` bound to `T: Sync` bound in the `Sync` impl for `LateStatic<T>`.