

About Advisories Report Vulnerabilities

2

RUSTSEC-2020-0059 $\mathsf{History} \cdot \mathsf{Edit}$

MutexGuard::map can cause a data race in safe code

Reported

Issued

Package futures-util (crates.io

Туре thread-safety Categories

#concurrency #memory-corruption #memory-management Keywords

CVE-2020-35905 Aliases

Details https://github.com/rust-lang/futures-rs/issues/2239

CVSS Score

Scope

CVSS Details

Attack vector

Attack complexity Privileges required Low User interaction

Confidentiality Integrity Availability

CVSS Vector CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:N/I:N/A:H

Patched >=0.3.7

Unaffected <0.3.2

Affected Functions futures_util::lock::MutexGuard::map >=0.3.2

Description

The issue was fixed by fixing send and sync implementations, and by adding a PhantomData<&'a mut U> marker to the MappedMutexGuard type to tell the compiler that the guard is over U too.