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RUSTSEC-2020-0127

Reported

Issued

Package v9 (crates.io Туре

Categories memory-corruption

thread-safety

Aliases CVE-2020-36447

Details https://github.com/purpleposeidon/v9/issues/1

CVSS Score

CVSS Details

Attack vector

Attack complexity High Privileges required None User interaction Scope Confidentiality

Integrity Availability

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

Patched

Description

Affected versions of this crate unconditionally implement sync for syncRef < T > . This definition allows data races if &T is accessiblethrough &SyncRef

 ${\tt SyncRef<T>} \ \, \text{derives Clone} \ \, \text{and Debug} \ \, \text{, and the default implementations of those traits access} \ \, {\tt 6T} \ \, \text{by invoking T::clone()} \ \, \& \ \, \text{constant} \ \, \text{derives Clone} \ \, \text{de$ ${\tt T::fmt ()} \ . \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible to create data races \& undefined behavior by concurrently invoking \ {\tt SyncRef<T>::clone()} \ or \\ {\tt It is possible$ SyncRef<T>::fmt() from multiple threads with T: !Sync