

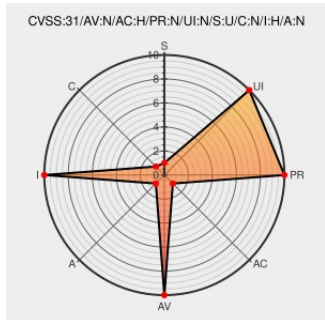


CVE-2017-20004

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CVE-2017-20004

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Rust](#) from [Rust-lang](#) contain the following vulnerability:

In the standard library in Rust before 1.19.0, there is a synchronization problem in the MutexGuard object. MutexGuards can be used across threads with any types, allowing for memory safety issues through race conditions.

CVE-2017-20004 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.9 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	HIGH	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	HIGH	NONE

CVSS2 Score: **4.3 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	PARTIAL	NONE

CVE References

Description	Tags	Link
MutexGuard> must not be Sync · Issue #41622 · rust-lang/rust · GitHub	github.com text/html	MISC github.com/rust-lang/rust/issues/41622
MutexGuard may be Sync only if T is Sync by RalfJung · Pull Request #41624 · rust-lang/rust · GitHub	github.com text/html	MISC github.com/rust-lang/rust/pull/41624

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Rust-lang	Rust	All	All	All	All
<code>cpe:2.3:a:rust-lang:rust:*****:</code>						

No vendor comments have been submitted for this CVE

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Next ID→

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