CVE-2020-26235

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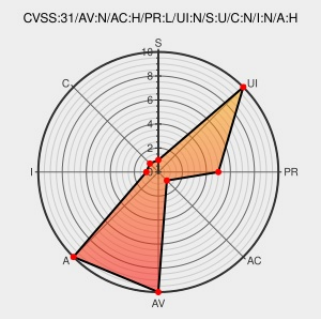
CVE-2020-26235 - advisory for GHSA-wcg3-cvx6-7396

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Windows from Microsoft contain the following vulnerability:

In Rust time crate from version 0.2.7 and before version 0.2.23, unix-like operating systems may segfault due to dereferencing a dangling pointer in specific circumstances. This requires the user to set any environment variable in a different thread than the affected functions. The affected functions are time::UtcOffset::local_offset_at, time::UtcOffset::try_local_offset_at, time::UtcOffset::current_local_offset, time::UtcOffset::try_current_local_offset, time::OffsetDateTime::now_local and time::OffsetDateTime::try_now_local. Non-Unix targets are unaffected. This includes Windows and wasm. The issue was introduced in version 0.2.7 and fixed in version 0.2.23.

CVE-2020-26235 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **time-rs** - **time** version **>= 0.2.7, <0.2.23**

CVSS3 Score: 5.3 - MEDIUM

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

CVSS2 Score: 3.5 - LOW

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

CVE References

Description	Tags	Link
crates.io: Rust Package Registry	Release Notes, Vendor Advisory, web.archive.org, text/html, Inactive Link, Not Archived	MISC crates.io/crates/time/0.2.23
The call to `localtime_r` may be unsound · Issue #293 · time-rs/time · GitHub	Issue Tracking, Third Party Advisory, github.com, text/html	MISC github.com/time-rs/time/issues/293
Potential segfault · Advisory · time-rs/time · GitHub	Patch, Third Party Advisory, github.com, text/html	CONFIRM github.com/time-rs/time/security/advisories/GHSA-wcg3-cvx6-7396

Related QID Numbers

502891 Alpine Linux Security Update for newsboat

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Microsoft	Windows	-	All	All	All
Operating System	Microsoft	Windows	-	All	All	All
Application	Time Project	Time	All	All	All	All
Application	Time Project	Time	All	All	All	All

cpe:2.3:o:microsoft:windows:-:*:*:*:*:*:*:*:

cpe:2.3:o:microsoft:windows:-:*:*:*:*:*:*:*:

cpe:2.3:a:time_project:time:*:*:*:*:*:*:*:*:

cpe:2.3:a:time_project:time:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@ttys22	CVE-2020-26235 #602 github.com/chronotope/chr…	2021-10-29

		15:06:27
@first_issues	affected by CVE-2020-26235 via transitive dependencies github.com/kimono-koans/h… #github #Rust #Shell #Roff	2022-11-11 20:09:59
/r/rust	What should we do about CVE-2020-26235 (localtime_r may be unsound)?	2021-11-10 13:07:52

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