CVE-2019-16760

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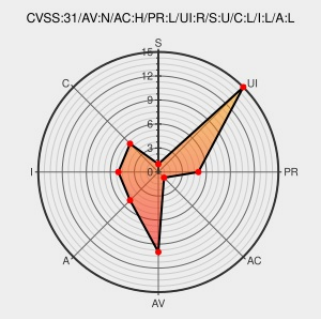
CVE-2019-16760 - advisory for GHSA-phjm-8x66-qw4r

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



Certain versions of Rust from Rust-lang contain the following vulnerability:

Cargo prior to Rust 1.26.0 may download the wrong dependency if your package.toml file uses the `package` configuration key. Usage of the `package` key to rename dependencies in `Cargo.toml` is ignored in Rust 1.25.0 and prior. When Rust 1.25.0 and prior is used Cargo may download the wrong dependency, which could be squatted on crates.io to be a malicious package. This not only affects manifests that you write locally yourself, but also manifests published to crates.io. Rust 1.0.0 through Rust 1.25.0 is affected by this advisory because Cargo will ignore the `package` key in manifests. Rust 1.26.0 through Rust 1.30.0 are not affected and typically will emit an error because the `package` key is unstable. Rust 1.31.0 and after are not affected because Cargo understands the `package` key. Users of the affected versions are strongly encouraged to update their compiler to the latest available one. Preventing this issue from happening requires updating your compiler to be either Rust 1.26.0 or newer. There will be no point release for Rust versions prior to 1.26.0. Users of Rust 1.19.0 to Rust 1.25.0 can instead apply linked patches to mitigate the issue.

CVE-2019-16760 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **rust** - **cargo** version **< 1.26.0**

CVSS3 Score: 7.5 - HIGH

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

CVSS2 Score: 5 - MEDIUM

Access Vector	Access Complexity	Authentication

NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	PARTIAL	NONE

CVE References

Description	Tags	Link
Cargo prior to Rust 1.26.0 may download the wrong dependency · Advisory · rust-lang/rust · GitHub	Exploit Third Party Advisory github.com text/html	CONFIRM github.com/rust-lang/rust/security/advisories/GHSA-phjm-8x66-qw4r
Patches for CVE-2019-16760 · GitHub	Patch Third Party Advisory gist.github.com text/html	MISC gist.github.com/pietroalbini/0d293b24a44babbeb6187e06eebd4992
oss-security - CVE-2019-16760: Cargo prior to Rust 1.26.0 may download the wrong dependency	www.openwall.com text/html	MLIST [oss-security] 20191008 CVE-2019-16760: Cargo prior to Rust 1.26.0 may download the wrong dependency
Google Groups	Exploit Mailing List Third Party Advisory groups.google.com text/html	MISC groups.google.com/forum/#!topic/rustlang-security-announcements/rVQ5e3TDnpQ

Related QID Numbers

501241 Alpine Linux Security Update for rust

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Rust-lang	Rust	All	All	All	All
Application	Rust-lang	Rust	All	All	All	All

cpe:2.3:a:rust-lang:rust:*:*:*:*:*:*:*:*:

cpe:2.3:a:rust-lang:rust:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→

CVE.report and Source URL Uptime Status status.cve.report