



CVE-2021-31162

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2021-31162
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-04-14 07:15:00 UTC
Updated	2023-11-07 03:34:00 UTC
Description	In the standard library in Rust before 1.52.0, a double free can occur in the Vec::from_iter function if freeing the element pa

Risk And Classification

Problem Types: CWE-415

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	32	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Application	Rust-lang	Rust	All	All	All	All

References

Reference

- [SECURITY] Fedora 32 Update: rust-1.51.0-3.fc32 - package-announce - Fedora Mailing-Lists
- [beta] backports by cuviper · Pull Request #84603 · rust-lang/rust · GitHub
- Rust: Multiple Vulnerabilities (GLSA 202210-09) — Gentoo security
- Fix double-drop in `Vec::from_iter(vec.into_iter())` specialization when items drop during panic by the8472 · Pull Request #83629 · rust-lang/rust · GitHub
- [SECURITY] Fedora 34 Update: rust-1.51.0-3.fc34 - package-announce - Fedora Mailing-Lists
- [SECURITY] Fedora 33 Update: rust-1.51.0-3.fc33 - package-announce - Fedora Mailing-Lists
- Double free in Vec::from_iter specialization when drop panics · Issue #83618 · rust-lang/rust · GitHub
- [SECURITY] Fedora 32 Update: rust-1.51.0-3.fc32 - package-announce - Fedora Mailing-Lists
- [SECURITY] Fedora 34 Update: rust-1.51.0-3.fc34 - package-announce - Fedora Mailing-Lists
- [SECURITY] Fedora 33 Update: rust-1.51.0-3.fc33 - package-announce - Fedora Mailing-Lists

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[159344](#) Oracle Enterprise Linux Security Update for rust-toolset:ol8 (ELSA-2021-3063)

[182903](#) Debian Security Update for rustc (CVE-2021-31162)

[239538](#) Red Hat Update for rust-toolset:rhel8 (RHSA-2021:3063)

[281294](#) Fedora Security Update for rust (FEDORA-2021-b1ba54add6)

[281295](#) Fedora Security Update for rust (FEDORA-2021-d7f74f0250)

[281296](#) Fedora Security Update for rust (FEDORA-2021-d0ba1901ca)

[353979](#) Amazon Linux Security Advisory for rust : ALAS2-2022-1816

[377347](#) Alibaba Cloud Linux Security Update for rust-toolset:rhel8 (ALINUX3-SA-2021:0061)

[501921](#) Alpine Linux Security Update for rust

[505391](#) Alpine Linux Security Update for rust

[710640](#) Gentoo Linux Rust Multiple Vulnerabilities (GLSA 202210-09)

[900023](#) CBL-Mariner Linux Security Update for rust 1.47.0

[902917](#) Common Base Linux Mariner (CBL-Mariner) Security Update for rust (4062)

[940361](#) AlmaLinux Security Update for rust-toolset:rhel8 (ALSA-2021:3063)

[960098](#) Rocky Linux Security Update for rust-toolset:rhel8 (RLSA-2021:3063)

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