

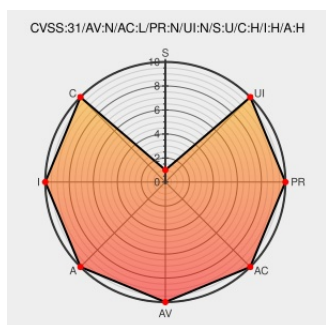


CVE-2021-45709

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CVE-2021-45709

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

Certain versions of [Crypto2](#) from [Crypto2 Project](#) contain the following vulnerability:

An issue was discovered in the crypto2 crate through 2021-10-08 for Rust. During Chacha20 encryption and decryption, an unaligned read of a u32 may occur.

CVE-2021-45709 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
RUSTSEC-2021-0121: crypto2: Non-aligned u32 read in Chacha20 encryption and decryption › RustSec Advisory Database	rustsec.org text/html	MISC rustsec.org/advisories/RUSTSEC-2021-0121.html
	raw.githubusercontent.com	MISC

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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	Crypto2 Project	Crypto2	All	All	All	All
cpe:2.3:a:crypto2_project:crypto2:*:*:*:*:rust:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-45709 : An issue was discovered in the crypto2 crate through 2021-10-08 for Rust. During Chacha20 encrypti... twitter.com/i/web/status/1...	2021-12-27 00:19:20
 /r/netcve	CVE-2021-45709	2021-12-27 01:39:08

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