



CVE-2023-27477

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2023-27477
State	PUBLIC
Assigner	security-advisories@github.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-03-08 21:15:00 UTC
Updated	2023-03-15 16:56:00 UTC
Description	wasmtime is a fast and secure runtime for WebAssembly. Wasmtime's code generation backend, Cranelift, has a bug on x86_64 that can be exploited to cause a denial of service. This issue affects versions 0.92.0 through 6.0.0.

Risk And Classification

Problem Types: CWE-193

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Bytecodealliance	Cranelift-codegen	All	All	All	All
Application	Bytecodealliance	Cranelift-codegen	0.92.0	All	All	All
Application	Bytecodealliance	Cranelift-codegen	0.93.0	All	All	All
Application	Bytecodealliance	Wasmtime	All	All	All	All
Application	Bytecodealliance	Wasmtime	5.0.0	All	All	All
Application	Bytecodealliance	Wasmtime	6.0.0	All	All	All

References

Reference	Source	Link
Config in wasmtime - Rust	MISC	docs.rs
Upcoming security release for Wasmtime	MISC	groups.google.com
Merge pull request from GHSA-xm67-587q-r2vw · bytecodealliance/wasmtime@5dc2bbc · GitHub	MISC	github.com
GitHub - WebAssembly/simd: Branch of the spec repo scoped to discussion of SIMD in WebAssembly	MISC	github.com
Miscompilation of `i8x16.select` with the same inputs on x86_64 · Advisory · bytecodealliance/wasmtime · GitHub	MISC	github.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[906925](#) Common Base Linux Mariner (CBL-Mariner) Security Update for rust (25857-1)

[996226](#) Rust (Rust) Security Update for cranelift-codegen (GHSA-xm67-587q-r2vw)

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