



CVE-2021-45681

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

Certain versions of [Derive-com-impl](#) from [Derive-com-impl Project](#) contain the following vulnerability:

An issue was discovered in the derive-com-impl crate before 0.1.2 for Rust. An invalid reference (and memory corruption) can occur because AddRef might not be called before returning a pointer.

CVE-2021-45681 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

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	NONE	HIGH

CVSS2 Score: **5 - MEDIUM**

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

CVE References

Description	Tags	Link
RUSTSEC-2021-0083: derive-com-impl: QueryInterface should call AddRef before returning pointer · RustSec Advisory Database	rustsec.org text/html	MISC rustsec.org/advisories/RUSTSEC-2021-0083.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	Derive-com-impl Project	Derive-com-impl	All	All	All	All
cpe:2.3:a:derive-com-impl_project:derive-com-impl:*:*:*:*:rust:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-45681 : An issue was discovered in the derive-com-impl crate before 0.1.2 for Rust. An invalid reference... twitter.com/i/web/status/1...	2021-12-27 00:09:43

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