



CVE-2021-45689

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

Certain versions of [Gfx-auxil](#) from [Gfx-auxil Project](#) contain the following vulnerability:

An issue was discovered in the gfx-auxil crate through 2021-01-07 for Rust. `gfx_auxil::read_spirv` may read from uninitialized memory locations.

CVE-2021-45689 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-2021-0091: gfx-auxil: Reading on uninitialized buffer may cause UB (<code>gfx_auxil::read_spirv()</code>) › RustSec Advisory Database	rustsec.org text/html	rustsec.org/advisories/RUSTSEC-2021-0091.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	Gfx-auxil Project	Gfx-auxil	All	All	All	All
cpe:2.3:a:gfx-auxil_project:gfx-auxil:*:*:*:*:rust:*:*						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-45689 : An issue was discovered in the gfx-auxil crate through 2021-01-07 for Rust. gfx_auxil::read_spirv... twitter.com/i/web/status/1...	2021-12-27 00:12:20

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