



CVE-2018-20543

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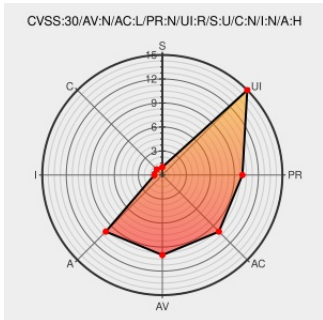
CVE-2018-20543

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

There is an attempted excessive memory allocation at `libxsmm_sparse_csc_reader` in `generator_spgemm_csc_reader.c` in `LIBXSMM 1.10` that will cause a denial of service.

CVE-2018-20543 has been assigned by [M](#) [cve@mitre.org](#) to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **6.5 - MEDIUM**

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

CVSS2 Score: **4.3 - MEDIUM**

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

CVE References

Description	Tags	Link
1652634 – There is a memory exhausted vulnerability at <code>slibxsmm_sparse_csc_reader</code> src/generator_spgemm_csc_reader.c:123 in <code>libxsmm</code> that will cause dos attack.	Exploit Issue Tracking Third Party Advisory bugzilla.redhat.com text/html	MISC bugzilla.redhat.com/show_bug.cgi?id=1652634

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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	Libxsmm Project	Libxsmm	1.10	All	All	All
Application	Libxsmm Project	Libxsmm	1.10	All	All	All
cpe:2.3:a:libxsmm_project:libxsmm:1.10:*:*:*:*:*:						
cpe:2.3:a:libxsmm_project:libxsmm:1.10:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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