

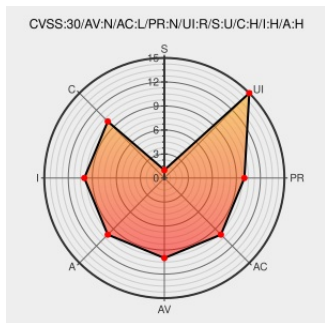


CVE-2018-20541

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CVE-2018-20541

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

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

There is a heap-based buffer overflow in `libxsmm_sparse_csc_reader` at `generator_spgemm_csc_reader.c` in `LIBXSMM 1.10`, a different vulnerability than `CVE-2018-20542` (which is in a different part of the source code and is seen at different addresses).

CVE-2018-20541 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

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

CVE References

Description	Tags	Link
Issue #287: made CSR/CSC readers more robust against invalid input (c... · hfp/libxsmm@1514814 · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/hfp/libxsmm/commit/151481489192e6d1997f8bde52c5c425ea4

reported buffer overflows · Issue #287 · hfp/libxsmm · GitHub

Exploit

Patch

Third Party Advisory

github.com

text/html

MISC github.com/hfp/libxsmm/issues/287

1652632 – There is a heap-buffer-overflow in libxsmm_sparse_csc_reader at src/generator_spgemm_csc_reader.c:174 (malloc at src/generator_spgemm_csc_reader.c:122) in libxsmm.

Exploit

Issue Tracking

Third Party Advisory

bugzilla.redhat.com

text/html

MISC bugzilla.redhat.com/show_bug.cgi?id=1652632

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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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Next ID →

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