

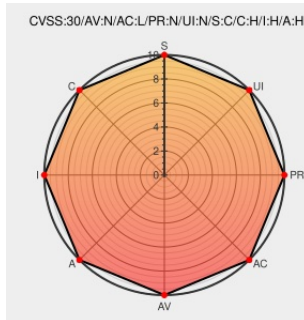


CVE-2018-1000821

Published on: 12/20/2018 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:24:30 PM UTC

CVE-2018-1000821

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

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

MicroMathematics version before commit 5c05ac8 contains a XML External Entity (XXE) vulnerability in SMathStudio files that can result in Disclosure of confidential data, denial of service, SSRF, port scanning. This attack appear to be exploitable via Specially crafted SMathStudio files. This vulnerability appears to have been fixed in after

commit 5c05ac8.

CVE-2018-1000821 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **10 - CRITICAL**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
CHANGED	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
MicroMathematics XXE Odd - The Zero (0) Day Division	Third Party Advisory Odd.zone	MISC Odd.zone/2018/10/27/micromathematics-XXE/

[text/html](#)

XXE in ImportFromSMathStudio.java · Issue #79 ·
mkulesh/microMathematics · GitHub

[Issue Tracking](#)[Third Party Advisory](#)[github.com](#)[text/html](#) MISCgithub.com/mkulesh/microMathematics/issues/79

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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	Micromathematics Project	Micromathematics	All	All	All	All
Application	Micromathematics Project	Micromathematics	All	All	All	All
cpe:2.3:a:micromathematics_project:micromathematics:*****:						
cpe:2.3:a:micromathematics_project:micromathematics:*****:						

No vendor comments have been submitted for this CVE

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