# CVE Detail – CVE-2023-1018

An out-of-bounds read vulnerability exists in TPM2.0's Module Library allowing a 2-byte read past the end of a TPM2.0 command in the CryptParameterDecryption routine. An attacker who can successfully exploit this vulnerability can read or access sensitive data stored in the TPM.

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## EPSS

EPSS Score: N/A

Percentile: 0.39462

## CVSS Scoring

CVSS v3.1 Score: 5.5

Severity: MEDIUM

## Mapped CWE(s)

* CWE-125: Out-of-bounds Read

## CAPEC(s)

* CAPEC-540: Overread Buffers

## Affected Products

* cpe:2.3:a:trustedcomputinggroup:trusted\_platform\_module:2.0:revision\_1.16:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:trustedcomputinggroup:trusted\_platform\_module:2.0:revision\_1.38:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:trustedcomputinggroup:trusted\_platform\_module:2.0:revision\_1.59:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:microsoft:windows\_10\_1507:\*:\*:\*:\*:\*:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_10\_1607:\*:\*:\*:\*:\*:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_10\_1809:\*:\*:\*:\*:\*:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_10\_20h2:\*:\*:\*:\*:\*:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_10\_21h2:\*:\*:\*:\*:\*:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_10\_22h2:\*:\*:\*:\*:\*:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_11\_21h2:\*:\*:\*:\*:\*:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_11\_22h2:\*:\*:\*:\*:\*:\*:x64:\*
* cpe:2.3:o:microsoft:windows\_server\_2016:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:microsoft:windows\_server\_2019:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:microsoft:windows\_server\_2022:\*:\*:\*:\*:\*:\*:\*:\*