



CVE-2022-33983

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

Certain versions of [Kernel](#) from [Insyde](#) contain the following vulnerability:

DMA transactions which are targeted at input buffers used for the NvmExpressLegacy software SMI handler could cause SMRAM corruption through a TOCTOU attack. DMA transactions which are targeted at input buffers used for the software SMI handler used by the NvmExpressLegacy driver could cause SMRAM corruption through a

TOCTOU attack. This issue was discovered by Insyde engineering based on the general description provided by Intel's iSTARE group. This issue was fixed in kernel 5.2: 05.27.25, kernel 5.3: 05.36.25, kernel 5.4: 05.44.25, kernel 5.5: 05.52.25

<https://www.insyde.com/security-pledge/SA-2022053>

CVE-2022-33983 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7 - HIGH**

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

CVE References

Description	Tags	Link
Insyde Security Advisory 2022053 Insyde Software	www.insyde.com text/html	www.insyde.com/security-pledge/SA-2022053
Insyde's Security Pledge Insyde Software	www.insyde.com text/html	www.insyde.com/security-pledge

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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	Insyde	Kernel	All	All	All	All
cpe:2.3:a:insyde:kernel:*****:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2022-33983 : DMA transactions which are targeted at input buffers used for the NvmExpressLegacy software SMI ha... twitter.com/i/web/status/1...	2022-11-15 00:09:05
 /r/LenovoLegion	Legion 5 Pro 16IAH7H - BIOS Update (J2CN46WW)	2022-11-08 14:55:10
 /r/netcve	CVE-2022-33983	2022-11-15 01:38:49

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