



# CVE-2021-27431

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2021-27431
<b>State</b>	PUBLIC
<b>Assigner</b>	ics-cert@hq.dhs.gov
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-05-03 21:15:00 UTC
<b>Updated</b>	2022-05-13 13:37:00 UTC
<b>Description</b>	ARM CMSIS RTOS2 versions prior to 2.1.3 are vulnerable to integer wrap-around inosRtxMemoryAlloc (local malloc equivalent)

## Risk And Classification

**Problem Types:** CWE-190

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Arm	Cmsis-rtos	All	All	All	All

## References

Reference	Source	Link	Tags
Multiple RTOS (Update D)   CISA	CONFIRM	<a href="http://www.cisa.gov">www.cisa.gov</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

## Vendor Comments And Credit

### Discovery Credit

**LEGACY:** David Atch, Omri Ben Bassat, and Tamir Ariel from Microsoft Section 52, and the Azure Defender for IoT research group reported these vulnerabilities to CISA.

There are currently no legacy QID mappings associated with this CVE.

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**CVE.report and Source URL Uptime Status [status.cve.report](https://status.cve.report)**