

مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**Security Updates-NVIDIA Orin Series**

Tracking #:432316906

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## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed NVIDIA has released a security update addressing a high-severity vulnerability (CVE-2024-0148) affecting NVIDIA Jetson AGX Orin Series and IGX Orin.

## TECHNICAL DETAILS:

NVIDIA has released a security update addressing a high-severity vulnerability (CVE-2024-0148) affecting NVIDIA Jetson AGX Orin Series and IGX Orin. This vulnerability resides in the UEFI firmware RCM boot mode and allows an unprivileged attacker with physical access to the device to load untrusted code. Exploiting this flaw may result in code execution, privilege escalation, data tampering, denial of service (DoS), and information disclosure.

### Vulnerability Overview

- **CVE ID:** CVE-2024-0148
- **Severity:** High
- **Base Score:** 7.6 (CVSS v3.1)
- **Vector:** AV:P/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H
- **CWE Classification:** CWE-447 (Untrusted Boot Mode Vulnerability)
- **Impact:** Code execution, privilege escalation, data corruption, information disclosure, denial of service (DoS)

### Affected Products and Patch Availability:

Affected Product	Platform/OS	Affected Versions	Updated Version
NVIDIA IGX Orin	IGX OS	All versions prior to IGX 1.1	IGX 1.1
Jetson AGX Orin Series	Jetson Linux	All versions prior to 36.4.3	36.4.3

## RECOMMENDATIONS:

- Immediately update to fixed versions of Jetson Linux & IGX to patch the vulnerability.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

## REFERENCES:

- [https://nvidia.custhelp.com/app/answers/detail/a\\_id/5617](https://nvidia.custhelp.com/app/answers/detail/a_id/5617)