



مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



Security Updates-Nvidia  
Tracking #:432316336  
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## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that NVIDIA has released security updates to address multiple vulnerabilities in its products.

## TECHNICAL DETAILS:

### Vulnerability Details:

#### CVE-2024-0132

- **Severity:** Critical (CVSS Score: 9.0)
- NVIDIA Container Toolkit contains a Time-of-check Time-of-Use (TOCTOU) vulnerability. A specifically crafted container image can exploit a TOCTOU vulnerability to gain access to the host file system. This could potentially lead to code execution, denial of service, escalation of privileges, information disclosure, and data tampering.
- Successful exploitation of this vulnerability could compromise the security of affected system and its data.

#### CVE-2024-0133

- **Severity:** Medium (CVSS Score: 4.1)
- NVIDIA Container Toolkit contains a vulnerability in the default mode of operation. A specially crafted container image can create empty files on the host file system. This does not impact use cases where CDI is used.
- Successful exploitation of this vulnerability could disrupt system operations and potentially compromise data integrity

Affected Products	Platform or OS	Affected Versions	Fixed Versions
NVIDIA Container Toolkit	Linux	All versions up to and including v1.16.1	v1.16.2
NVIDIA GPU Operator	Linux	All versions up to and including 24.6.1	24.6.2

## RECOMMENDATIONS:

The UAE Cyber Security Council recommends to upgrade the affected versions to the fixed versions at the earliest.

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/5582](https://nvidia.custhelp.com/app/answers/detail/a_id/5582)