Overall Rating - High

BRITISH
COLUMBIA

This notification is intended as an informational bulletin for technical audiences.

Summary

The Vulnerability and Risk Management (VRM) Team is aware that Ubuntu published a security notice to address vulnerabilities in the Linux kernel affecting the following product:

- Ubuntu 22.04 LTS

Technical Details

The NVMe-oF/TCP subsystem in the Linux kernel did not properly handle queue initialization failures in certain situations, leading to a use-after-free vulnerability. A remote attacker could use this to cause a denial of service (system crash) or possibly execute arbitrary code. (CVE-2023-5178)

These vulnerabilities are rated as an overall **High** Severity.

Recommended Action

- Investigate how your area of responsibility is affected.
- Notify business owner(s) as required.
- *Ensure mitigation is performed at your next change window.*

Please notify VRM with any questions or concerns you may have.

References

- CVE-2023-39189, CVE-2023-39193, CVE-2023-5178, CVE-2023-39194, CVE-2023-37453, CVE-2023-42754, CVE-2023-3773, CVE-2023-39198, CVE-2023-5717, CVE-2023-39192, CVE-2023-5158
- Ubuntu Security Notice – USN-6549-4
- Ubuntu Security Notices