

**Overall rating: Critical**



**This is a technical bulletin intended for technical audiences.**

## Summary

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

- Ubuntu 18.04 ESM
- Ubuntu 20.04 LTS
- Ubuntu 22.04 LTS

## Technical Details

The Security Team also produces [OVAL](#) files for each Ubuntu release. These are an industry-standard machine-readable format dataset that contain details of all known security vulnerabilities and fixes relevant to the Ubuntu release, and can be used to determine whether a particular patch is appropriate. OVAL files can also be used to audit a system to check whether the latest security fixes have been applied.

### **Exploitability Metrics**

Attack Vector: Network  
Attack Complexity: Low  
Privileges Required: None  
User Interaction: None

This vulnerability is rated as a **CRITICAL** risk. A software update exists to address these risks.

## Action Required

- Locate the device or application and investigate.
- Notify business owner(s).
- Perform mitigating actions, as required.

Please notify [VRM](#) with any questions or concerns you may have.

## References

- CVE-2023-4134 CVE-2023-22995 CVE-2023-51779 CVE-2024-1086 CVE-2023-23000 CVE-2023-32247 CVE-2024-0607 CVE-2023-46343 CVE-2024-2610 CVE-2024-2608 CVE-2024-2609 CVE-2023-23004 CVE-2024-24855
- [Ubuntu Security Notices](#)