BRITISH COLUMBIA

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

Summary
The Vulnerability and Risk Management (VRM) Team is aware of incorrect verifier pruning in BPF in the Linux kernel below or equal to version 5.4.

Technical Details
Exploitation could lead to unsafe code paths being incorrectly marked as safe, resulting in arbitrary read /write in kernel memory, lateral privilege escalation, and container escape.

This vulnerability is rated as a **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-2023-2163
- https://git.kernel.org/pub/scm/linux/kernel/git/torvalds/linux.git/commit/?id=71b547f5612478 97a0a14f3082730156c0533fed