March 12, 2024

Overall rating: Critical

This is a technical bulletin intended for technical audiences.

Summary

The Vulnerability and Risk Management (VRM) Team is aware that Fortinet published security advisories to address vulnerabilities in multiple products. Included were updates for the following products:

- FortiClientEMS 7.2 – versions 7.2.0 to 7.2.2
- FortiClientEMS 7.0 – versions 7.0.1 to 7.0.10
- FortiClientEMS 6.4 – all versions
- FortiClientEMS 6.2 – all versions
- FortiClientEMS 6.0 – all versions
- FortiManager – multiple versions
- FortiOS 7.4 – versions 7.4.0 to 7.4.1
- FortiOS 7.2 – versions 7.2.0 to 7.2.5
- FortiOS 7.0 – versions 7.0.0 to 7.0.12
- FortiOS 6.4 – versions 6.4.0 to 6.4.14
- FortiOS 6.2 – versions 6.2.0 to 6.2.15
- FortiPAM 1.1 – all versions
- FortiPAM 1.0 – all versions
- FortiProxy 7.4 – version 7.4.0
- FortiProxy 7.2 – versions 7.2.0 to 7.2.6
- FortiProxy 7.0 – versions 7.0.0 to 7.0.12
- FortiProxy 2.0 – versions 2.0.0 to 2.0.13
- FortiSwitchManager 7.2 – versions 7.2.0 to 7.2.2
- FortiSwitchManager 7.0 – versions 7.0.0 to 7.0.2

Technical Details
An out-of-bounds write vulnerability [CWE-787] and a Stack-based Buffer Overflow [CWE-121] in FortiOS & FortiProxy captive portal may allow an inside attacker who has access to captive portal to execute arbitrary code or commands via specially crafted HTTP requests.

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-2023-47534 CVE-2023-42789 CVE-2023-42790 CVE-2024-23112 CVE-2023-46717
- Fortinet PSIRT Advisory - FG-IR-23-390Fortinet PSIRT Advisory - FG-IR-24-007
- Fortinet PSIRT Advisory - FG-IR-23-328

- Fortinet PSIRT Advisory - FG-IR-23-103
- Fortinet PSIRT Advisories