Palo Alto Networks Firewalls (CVE-2024-3400)

Executive Summary
On April 12, 2024, Palo Alto Networks has warned of a command injection vulnerability (CVE-2024-3400) impacting its firewalls. The vulnerability can be exploited in an automated manner, and the company recommends that customers apply temporary mitigations. Palo Alto Networks is aware of a limited number of attacks utilizing this vulnerability. HC3 recommends that all users review the security alert released by Palo Alto and apply any mitigations or workarounds to prevent serious damage in the Healthcare and Public Health (HPH) sector.

Report
Palo Alto released a security advisory for CVE-2024-3400, a command injection flaw in the GlobalProtect feature of Palo Alto Networks PAN-OS software that affects certain PAN-OS versions and specific feature configurations. This vulnerability may allow an unauthenticated attacker to run arbitrary code with root privileges on the firewall. The flaw currently impacts the following versions of PAN-OS:

- PAN-OS < 11.1.2-h3
- PAN-OS < 11.0.4-h1
- PAN-OS < 10.2.9-h1

This vulnerability does not impact Cloud NFW, Panorama appliances, or Prisma Access, nor does it affect any other versions of PAN-OS. Researchers have viewed this vulnerability as being exploited in a limited number of attacks. Palo Alto has reported that hotfixes will be released on April 14, 2024, to remediate this issue.

Patches, Mitigations, and Workarounds
The manufacturer advises the following mitigation strategies:

- Customers with a Threat Prevention subscription can protect against this vulnerability by activating Threat ID 95187.
- Along with activating Threat ID 95187, customers should ensure that vulnerability protection is applied to their GlobalProtect interface. More details can be found at this link.
- If implementing Threat Prevention mitigation is not feasible, the vulnerability risk can be reduced by temporarily disabling device telemetry until the device is updated. After upgrading, device telemetry should be re-enabled.
  - Navigate to Device > Setup > Telemetry
  - Edit the Telemetry widget.
  - Uncheck the Enable Telemetry box.
  - Click OK, and then commit your changes.

References

HC3: Sector Alert
April 12, 2024  TLP: CLEAR  Report: 202404121500


Contact Information
If you have any additional questions, we encourage you to contact us at HC3@HHS.GOV.

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