CVE-2020-2031

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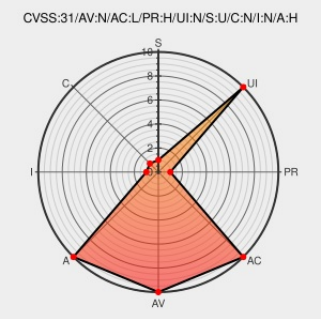

Certain versions of Pan-os from Paloaltonetworks contain the following vulnerability:

An integer underflow vulnerability in the dnsproxyd component of the PAN-OS management interface allows authenticated administrators to issue a command from the command line interface that causes the component to stop responding. Repeated attempts to send this request result in denial of service to all PAN-OS services by restarting the device and putting it into maintenance mode. This issue impacts: PAN-OS 9.1 versions earlier than PAN-OS 9.1.3. This issue does not impact PAN-OS 8.1, PAN-OS 9.0, or Prisma Access services.

CVE-2020-2031 has been assigned by psirt@paloaltonetworks.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **Palo Alto Networks** - **PAN-OS** version **< 9.1.3**

Affected Vendor/Software: **Palo Alto Networks** - **PAN-OS** version **!>= 9.1.3**

Affected Vendor/Software: **Palo Alto Networks** - **PAN-OS** version **! 9.0.***

Affected Vendor/Software: **Palo Alto Networks** - **PAN-OS** version **! 8.1.***

Vulnerability Patch/Work Around

This issue impacts the PAN-OS management interface but you can mitigate the impact of this issue by following best practices for securing the PAN-OS management interface. Please review the Best Practices for Securing Administrative Access in the PAN-OS technical documentation, available at https://docs.paloaltonetworks.com/best-practices.

CVSS3 Score: 4.9 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	HIGH	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**

UNCHANGED | NONE | NONE | HIGH

CVSS2 Score: 6.8 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link
CVE-2020-2031 PAN-OS: Integer underflow in the management interface	Vendor Advisory security.paloaltonetworks.com text/html	MISC security.paloaltonetworks.com/CVE-2020-2031

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Paloaltonetworks	Pan-os	All	All	All	All
Operating System	Paloaltonetworks	Pan-os	All	All	All	All

cpe:2.3:o:paloaltonetworks:pan-os:*:*:*:*:*:*:*:*:

cpe:2.3:o:paloaltonetworks:pan-os:*:*:*:*:*:*:*:*:

Discovery Credit

This issue was discovered by Jin Chen of Palo Alto Networks during internal security review.

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CVE.report and Source URL Uptime Status status.cve.report