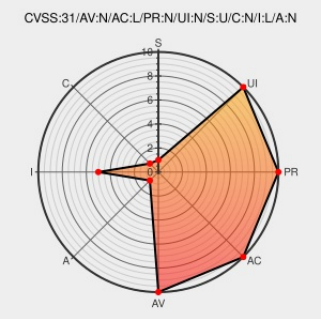
CVE-2020-1999

Published on: 11/11/2020 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:23:47 PM UTC

CVE-2020-1999

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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

A vulnerability exists in the Palo Alto Network PAN-OS signature-based threat detection engine that allows an attacker to communicate with devices in the network in a way that is not analyzed for threats by sending data through specifically crafted TCP packets. This technique evades signature-based threat detection. This issue impacts: PAN-OS 8.1 versions earlier than 8.1.17; PAN-OS 9.0 versions earlier than 9.0.11; PAN-OS 9.1 versions earlier than 9.1.5; All versions of PAN-OS 7.1 and PAN-OS 8.0.

CVE-2020-1999 has been assigned by psirt@paloaltonetworks.com to track the vulnerability - currently rated as MEDIUM severity.

Palo Alto Networks is not aware of any malicious exploitation of this issue.

Vulnerability Patch/Work Around

There are no known workarounds for this issue.

CVSS3 Score: 5.3 - MEDIUM

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

CVSS2 Score: 5 - MEDIUM

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

NONE	PARTIAL	NONE

CVE References

Description	Tags	Link
CVE-2020-1999 PAN-OS: Threat signatures are evaded by specifically crafted packets	Vendor Advisory security.paloaltonetworks.com text/html	MISC security.paloaltonetworks.com/CVE-2020-1999

There are currently no QIDs associated with this CVE

Exploit/POC from Github

cve-2021-19999test

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
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:*:*:*:*:*:*:*:*:

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Discovery Credit

This issue was found by Vijay Prakash of Palo Alto Networks during internal security review.

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