CVE-2021-3055

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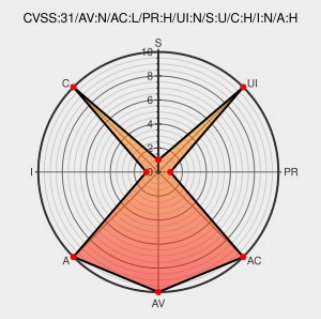
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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

An improper restriction of XML external entity (XXE) reference vulnerability in the Palo Alto Networks PAN-OS web interface enables an authenticated administrator to read any arbitrary file from the file system and send a specifically crafted request to the firewall that causes the service to crash. 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 8.1 versions earlier than PAN-OS 8.1.20; PAN-OS 9.0 versions earlier than PAN-OS 9.0.14; PAN-OS 9.1 versions earlier than PAN-OS 9.1.10; PAN-OS 10.0 versions earlier than PAN-OS 10.0.6. This issue does not affect Prisma Access.

CVE-2021-3055 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 attempts to exploit this vulnerability.

Vulnerability Patch/Work Around

This issue requires the attacker to have authenticated access to the PAN-OS web interface. You can mitigate the impact of this issue by following best practices for securing the PAN-OS web interface. Please review the Best Practices for Securing Administrative Access in the PAN-OS technical documentation at https://docs.paloaltonetworks.com/best-practices.

CVSS3 Score: 6.5 - MEDIUM

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

CVSS2 Score: 7.5 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE

Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	NONE	COMPLETE

CVE References

Description	Tags	Link
CVE-2021-3055 PAN-OS: XML External Entity (XXE) Reference Vulnerability in the PAN-OS Web Interface	security.paloaltonetworks.com text/html	MISC security.paloaltonetworks.com/CVE-2021-3055

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Related QID Numbers

730190 Palo Alto Networks PAN-OS XML External Entity (XXE) Reference Vulnerability in the PAN-OS Web Interface (PAN-166241)

Known Affected Configurations (CPE V2.3)

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

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

Discovery Credit

This issue was found by a customer of Palo Alto Networks during a security review.

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-3055 : An improper restriction of XML external entity XXE reference vulnerability in the Palo Alto Netwo… twitter.com/i/web/status/1…	2021-09-08 17:19:29

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