CVE-2021-3054

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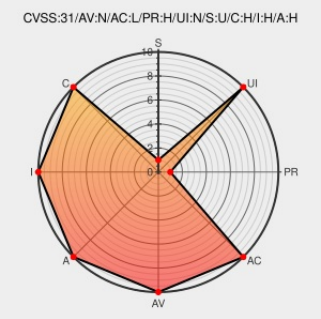
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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

A time-of-check to time-of-use (TOCTOU) race condition vulnerability in the Palo Alto Networks PAN-OS web interface enables an authenticated administrator with permission to upload plugins to execute arbitrary code with root user privileges. 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 9.1.11; PAN-OS 10.0 versions earlier than PAN-OS 10.0.7; PAN-OS 10.1 versions earlier than PAN-OS 10.1.2. This issue does not affect Prisma Access.

CVE-2021-3054 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

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: 6.6 - MEDIUM

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

CVSS2 Score: 8.5 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	SINGLE

Confidentiality Impact	Integrity Impact	Availability Impact
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
CVE-2021-3054 PAN-OS: Unsigned Code Execution During Plugin Installation Race Condition Vulnerability	security.paloaltonetworks.com text/html	MISC security.paloaltonetworks.com/CVE-2021-3054

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Related QID Numbers

730191 Palo Alto Networks PAN-OS Unsigned Code Execution During Plugin Installation Race Condition Vulnerability (PAN-138727)

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

Palo Alto Networks thanks Praetorian for discovering and reporting this issue.

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-3054 : A time-of-check to time-of-use TOCTOU race condition vulnerability in the Palo Alto Networks PAN-… twitter.com/i/web/status/1…	2021-09-08 17:19:15

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