CVE-2021-3047

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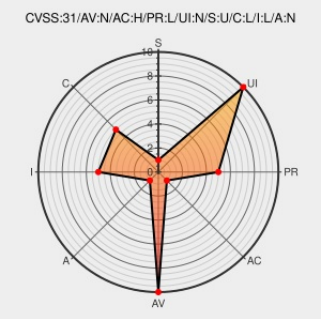
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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

A cryptographically weak pseudo-random number generator (PRNG) is used during authentication to the Palo Alto Networks PAN-OS web interface. This enables an authenticated attacker, with the capability to observe their own authentication secrets over a long duration on the PAN-OS appliance, to impersonate another authenticated web interface administrator's session. This issue impacts: PAN-OS 8.1 versions earlier than PAN-OS 8.1.19; 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 10.0.4. PAN-OS 10.1 versions are not impacted.

CVE-2021-3047 has been assigned by psirt@paloaltonetworks.com to track the vulnerability - currently rated as LOW severity.

Vulnerability Patch/Work Around

There are no known workarounds for this issue.

CVSS3 Score: 3.1 - LOW

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

CVSS2 Score: 3.5 - LOW

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**

Impact	Impact	Impact
NONE	PARTIAL	NONE

CVE References

Description	Tags	Link
CVE-2021-3047 PAN-OS: Weak Cryptography Used in Web Interface Authentication	security.paloaltonetworks.com text/html	MISC security.paloaltonetworks.com/CVE-2021-3047

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Related QID Numbers

730159 Palo Alto Networks PAN-OS Weak Cryptography Used in Web Interface Authentication(PAN-156240)

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 Google Security for discovering and reporting this issue.

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-3047 : A cryptographically weak pseudo-random number generator PRNG is used during authentication to the… twitter.com/i/web/status/1…	2021-08-11 17:17:27

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