CVE-2020-2038

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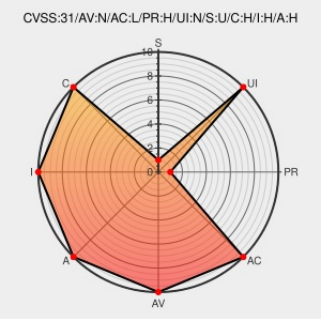
CVE-2020-2038

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



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

An OS Command Injection vulnerability in the PAN-OS management interface that allows authenticated administrators to execute arbitrary OS commands with root privileges. This issue impacts: PAN-OS 9.0 versions earlier than 9.0.10; PAN-OS 9.1 versions earlier than 9.1.4; PAN-OS 10.0 versions earlier than 10.0.1.

CVE-2020-2038 has been assigned by psirt@paloaltonetworks.com to track the vulnerability - currently rated as HIGH severity.

Palo Alto Networks is not aware of any malicious attempts to exploit this vulnerability.

Vulnerability Patch/Work Around

This issue impacts the PAN-OS management web interface but you can mitigate the impact of this issue by following best practices for securing the PAN-OS management web 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: 7.2 - HIGH

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

CVSS2 Score: 9 - HIGH

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

COMPLETE COMPLETE COMPLETE

CVE References

Description	Tags	Link
Palo Alto Networks Authenticated Remote Code Execution ≈ Packet Storm	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/168408/Palo-Alto-Networks-Authenticated-Remote-Code-Execution.html
PAN-OS 10.0 Remote Code Execution ≈ Packet Storm	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/168008/PAN-OS-10.0-Remote-Code-Execution.html
CVE-2020-2038 PAN-OS: OS command injection vulnerability in the management web interface	Vendor Advisory security.paloaltonetworks.com text/html	MISC security.paloaltonetworks.com/CVE-2020-2038

There are currently no QIDs associated with this CVE

Exploit/POC from Github

Exploit to capitalize on vulnerability CVE-2020-2038.

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

Palo Alto Networks thanks Mikhail Klyuchnikov and Nikita Abramov of Positive Technologies for discovering and reporting this issue.

Social Mentions

Source	Title	Posted (UTC)
@CisoInvisible	CVE-2020-2038 PAN-OS: OS command injection vulnerability in the management web interface (Severity: HIGH) -… twitter.com/i/web/status/1…	2021-08-13 04:04:28
	It's new to me that CheckPoint has a protection/signature/rule for the vulnerability CVE-2020-2038.…	2022-08-21

@ipssignatures	twitter.com/i/web/status/1…	18:02:01
@ipssignatures	I know one more IPS that has a protection/signature/rule for the vulnerability CVE-2020-2038. ipssignatures.appspot.com/?cve=CVE-2020-… #Spekfrckxmmuh4	2022-08-21 18:02:01
@ipssignatures	It's new to me that proofpoint has a protection/signature/rule for the vulnerability CVE-2020-2038.… twitter.com/i/web/status/1…	2022-09-01 00:02:00
@ipssignatures	I know 2 other IPSs that have protections/signatures/rules for the vulnerability CVE-2020-2038. ipssignatures.appspot.com/?cve=CVE-2020-… #Spekfrckxmmuh4	2022-09-01 00:02:01
@RemotelyAlerts	Severity: ??? | An OS Command Injection vulnerability in... | CVE-2020-2038 | Link for more: alerts.remotelyrmm.com/CVE-2020-2038	2022-09-16 17:29:08
@ipssignatures	It's new to me that Hillstone has a protection/signature/rule for the vulnerability CVE-2020-2038.… twitter.com/i/web/status/1…	2022-10-15 06:02:01
@ipssignatures	I know 3 other IPSs that have protections/signatures/rules for the vulnerability CVE-2020-2038. ipssignatures.appspot.com/?cve=CVE-2020-… #Spekfrckxmmuh4	2022-10-15 06:02:01

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