CVE-2020-3403

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CVE-2020-3403 - advisory for cisco-sa-iosxe-cmdinj-2MzhjM6K

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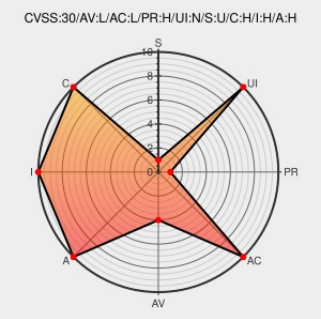

Certain versions of Catalyst 9800-40 from Cisco contain the following vulnerability:

A vulnerability in the CLI of Cisco IOS XE Software could allow an authenticated, local attacker to inject a command to the underlying operating system that will execute with root privileges upon the next reboot of the device. The authenticated user must have privileged EXEC permissions on the device. The vulnerability is due to insufficient protection of values passed to a script that executes during device startup. An attacker could exploit this vulnerability by writing values to a specific file. A successful exploit could allow the attacker to execute commands with root privileges each time the affected device is restarted.

CVE-2020-3403 has been assigned by psirt@cisco.com to track the vulnerability - currently rated as HIGH severity.

The Cisco Product Security Incident Response Team (PSIRT) is not aware of any public announcements or malicious use of the vulnerability that is described in this advisory.

Affected Vendor/Software: **Cisco** - **Cisco IOS XE Software** version **n/a**

CVSS3 Score: 7.8 - HIGH

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

CVSS2 Score: 7.2 - HIGH

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

COMPLETE | COMPLETE | COMPLETE

CVE References

Description	Tags	Link
Cisco IOS XE Software Command Injection Vulnerability	Vendor Advisory tools.cisco.com text/html	CISCO 20200924 Cisco IOS XE Software Command Injection Vulnerability

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Cisco	Catalyst 9800-40	-	All	All	All
Hardware	Cisco	Catalyst 9800-40	-	All	All	All
Hardware	Cisco	Catalyst 9800-80	-	All	All	All
Hardware	Cisco	Catalyst 9800-80	-	All	All	All
Hardware	Cisco	Catalyst 9800-cl	-	All	All	All
Hardware	Cisco	Catalyst 9800-cl	-	All	All	All
Hardware	Cisco	Catalyst 9800-l	-	All	All	All
Hardware	Cisco	Catalyst 9800-l	-	All	All	All
Hardware	Cisco	Catalyst 9800-l-c	-	All	All	All
Hardware	Cisco	Catalyst 9800-l-c	-	All	All	All
Hardware	Cisco	Catalyst 9800-l-f	-	All	All	All
Hardware	Cisco	Catalyst 9800-l-f	-	All	All	All
Application	Cisco	Ios Xe	17.2.1	All	All	All
Operating System	Cisco	Ios Xe	17.2.1	All	All	All
Application	Cisco	Ios Xe	17.2.1	All	All	All

cpe:2.3:h:cisco:catalyst_9800-40:-:*:*:*:*:*:*:*:

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cpe:2.3:h:cisco:catalyst_9800-80:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-80:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-cl:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-cl:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-l:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-l:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-l-c:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-l-c:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-l-f:-:*:*:*:*:*:*:*:

cpe:2.3:h:cisco:catalyst_9800-l-f:-:*:*:*:*:*:*:*:

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cpe:2.3:o:cisco:ios_xe:17.2.1:*:*:*:*:*:*:*:

cpe:2.3:a:cisco:ios_xe:17.2.1:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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