



Authenticated Command Injection in mcsd Service of TP-Link Archer AX53

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2025-15607
State	PUBLISHED
Assigner	TPLink
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-03-20 17:16:40 UTC
Updated	2026-04-02 20:53:50 UTC
Description	A command injection vulnerability on AX53 v1 occurs in mcsd debug functionality due to insufficient input handling, allowing

Risk And Classification

Primary CVSS: v4.0 7.3 HIGH from f23511db-6c3e-4e32-a477-6aa17d310630

CVSS:4.0/AV:A/AC:L/AT:P/PR:H/UI:N/VC:H/VI:H/VA:H/SC:L/SI:L/SA:L/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.008750000 probability, percentile 0.752340000 (date 2026-04-02)

Problem Types: CWE-77 | CWE-77 CWE-77 Improper Neutralization of Special Elements used in a Command ('Command Injection')

Version	Source	Type	Score	Severity	Vector
4.0	f23511db-6c3e-4e32-a477-6aa17d310630	Secondary	7.3	HIGH	CVSS:4.0/AV:A/AC:L/AT:P/PR:H/UI:N/VC:H/VI:H/VA:H/SC:L/SI:L/SA:L/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
4.0	CNA	CVSS	7.3	HIGH	CVSS:4.0/AV:A/AC:L/AT:P/PR:H/UI:N/VC:H/VI:H/VA:H/SC:L/SI:L/SA:L/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
3.1	nvd@nist.gov	Primary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v4.0 Breakdown

Attack Vector

Adjacent

Attack Complexity

Low

Attack Requirements

Present

Privileges Required

High

User Interaction

None

Confidentiality

High

Integrity

High

Availability

High

Sub Conf.

Low

Sub Integrity

Low

Sub Availability

Low

CVSS:4.0/AV:A/AC:L/AT:P/PR:H/UI:N/VC:H/VI:H/VA:H/SC:L/SI:L/SA:L/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MS:C:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Tp-link	Archer Ax53	-	All	All	All
Operating System	Tp-link	Archer Ax53 Firmware	1.0	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	TP-Link Systems Inc.	AX53 V1	affected 251029 custom	Not specified

References

Reference	Source	Link	Tags
www.tp-link.com/en/support/download/archer-ax53/v1	f23511db-6c3e-4e32-a477-6aa17d310630	www.tp-link.com	Product
www.tp-link.com/us/support/faq/5025	f23511db-6c3e-4e32-a477-6aa17d310630	www.tp-link.com	Vendor Advisory
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: samuzora (en)

There are currently no legacy QID mappings associated with this CVE.

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