



Lack of Rate Limiting Enables Brute-Force Attacks in Nexxt Nebula 300+

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

Summary

CVE	CVE-2026-31851
State	PUBLISHED
Assigner	TuranSec
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-03-23 13:16:30 UTC
Updated	2026-04-29 17:37:36 UTC
Description	Nexxt Solutions Nebula 300+ firmware through version 12.01.01.37 does not implement rate limiting or account lockout me

Risk And Classification

Primary CVSS: v4.0 7.7 HIGH from 309f9ea4-e3e9-4c6c-b79d-e8eb01244f2c

CVSS:4.0/AV:A/AC:H/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/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: 0.000900000 probability, percentile 0.252980000 (date 2026-05-02)

Problem Types: CWE-307 | CWE-307 CWE-307 Improper Restriction of Excessive Authentication Attempts

Version	Source	Type	Score	Severity	Vector
4.0	309f9ea4-e3e9-4c6c-b79d-e8eb01244f2c	Secondary	7.7	HIGH	CVSS:4.0/AV:A/AC:H/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/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	7.7	HIGH	CVSS:4.0/AV:A/AC:H/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/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

High

Attack Requirements

None

Privileges Required

None

User Interaction

None

Confidentiality

High

Integrity

High

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:A/AC:H/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/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

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	Nexxtsolutions	Nebula300plus	-	All	All	All
Operating System	Nexxtsolutions	Nebula300plus Firmware	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Nexxt Solutions	Nebula 300	affected <= 12.01.01.37	Not specified

References

Reference	Source	Link
www.nexxtsolutions.com/connectivity/internal-products/ARN02304U6	309f9ea4-e3e9-4c6c-b79d-e8eb01244f2c	www
nexus-frontend.s3.amazonaws.com/media/docs/Nebula300+_v12.01.01.37.zip	309f9ea4-e3e9-4c6c-b79d-e8eb01244f2c	nex
CVE Program record	CVE.ORG	www
NVD vulnerability detail	NVD	nvd.

Vendor Comments And Credit

Discovery Credit

CNA: Angel Barre (call4pwn) (en)

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

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