



NovumOS has Privilege Escalation in the Syscall Interface

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

Summary

CVE	CVE-2026-40317
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-18 01:16:19 UTC
Updated	2026-04-18 01:16:19 UTC
Description	NovumOS is a custom 32-bit operating system written in Zig and x86 Assembly. In versions prior to 0.24, Syscall 12 (Jump

Risk And Classification

Primary CVSS: v3.1 9.3 CRITICAL from security-advisories@github.com

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

Problem Types: CWE-20 | CWE-269 | CWE-269 CWE-269: Improper Privilege Management | CWE-20 CWE-20: Improper Input Validation

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	9.3	CRITICAL	CVSS:3.1/AV:L/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H
3.1	CNA	DECLARED	9.4	CRITICAL	CVSS:3.1/AV:L/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Changed

Confidentiality

High

Integrity

High

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	MinecAnton209	NovumOS	affected < 0.24	Not specified

References

Reference	Source	Link	Tags
github.com/MinecAnton209/NovumOS/security/advisories/GHSA-xjx3-gjh9-45fm	security-advisories@github.com	github.com	
github.com/MinecAnton209/NovumOS/releases/tag/v0.24	security-advisories@github.com	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical

No vendor comments have been submitted for this CVE.

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

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