UltraDAG: SmartOp Vote Path Triggers Fatal Supply Invariant Halt

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2026-40583
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-21 17:16:56 UTC
Updated	2026-04-22 21:24:26 UTC
Description	UltraDAG is a minimal DAG-BFT blockchain in Rust. In version 0.1, a non-council attacker can submit a signed SmartOp::V

Risk And Classification

Primary CVSS: v4.0 8.8 HIGH from security-advisories@github.com

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI:L/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/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:Red

EPSS: 0.000400000 probability, percentile 0.121640000 (date 2026-04-22)

Problem Types: CWE-460 | CWE-696 | CWE-460 CWE-460: Improper Cleanup on Thrown Exception | CWE-696 CWE-696: Incorrect Behavior Order

Version	Source	Type	Score	Severity	Vector
4.0	security-advisories@github.com	Secondary	8.8	HIGH	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI:L/VA:H/SC:N/S
4.0	CNA	DECLARED	8.8	HIGH	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI:L/VA:H/SC:N/S

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

None

Privileges Required

None

User Interaction

None

Confidentiality

None

Integrity

Low

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI:L/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/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:Red

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	UltraDAGcom	Core	affected = 0.1	Not specified

References

Reference	Source	Link
github.com/UltraDAGcom/core/commit/45bcf7064741897319b6196d3d9f9e1307093511	security-advisories@github.com	github.
github.com/UltraDAGcom/core/commit/2f5a3a237ea519b48d71e6e3093c89f60694c7be	security-advisories@github.com	github.
github.com/UltraDAGcom/core/security/advisories/GHSA-q8wx-2crx-c7pp	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.
CVE Program record	CVE.ORG	www.c
NVD vulnerability detail	NVD	nvd.nis

No vendor comments have been submitted for this CVE.

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

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Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report