



# OpenC3 COSMOS: Administrative Actions via the Script Runner Tool

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

## Summary

<b>CVE</b>	CVE-2026-42088
<b>State</b>	PUBLISHED
<b>Assigner</b>	GitHub_M
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-05-04 18:16:31 UTC
<b>Updated</b>	2026-05-04 20:16:19 UTC
<b>Description</b>	OpenC3 COSMOS provides the functionality needed to send commands to and receive data from one or more embedded s

## Risk And Classification

**Primary CVSS:** v3.1 9.6 CRITICAL from security-advisories@github.com

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

**Problem Types:** CWE-250 | CWE-250 CWE-250: Execution with Unnecessary Privileges

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	9.6	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:N
3.1	CNA	DECLARED	9.6	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:N

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Changed

Confidentiality

High

Integrity

High

Availability

None

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

#### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	<a href="#">OpenC3</a>	<a href="#">Cosmos</a>	affected < 7.0.0-rc3	Not specified

#### References

Reference	Source	Link	Tags
<a href="https://github.com/OpenC3/cosmos/releases/tag/v7.0.0">github.com/OpenC3/cosmos/releases/tag/v7.0.0</a>	security-advisories@github.com	<a href="#">github.com</a>	
<a href="https://github.com/OpenC3/cosmos/security/advisories/GHSA-2wvh-87g2-89hr">github.com/OpenC3/cosmos/security/advisories/GHSA-2wvh-87g2-89hr</a>	134c704f-9b21-4f2e-91b3-4a467353bcc0	<a href="#">github.com</a>	
<a href="https://github.com/OpenC3/cosmos/releases/tag/v7.0.0-rc3">github.com/OpenC3/cosmos/releases/tag/v7.0.0-rc3</a>	security-advisories@github.com	<a href="#">github.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonic
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonic

No vendor comments have been submitted for this CVE.

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

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