



# OpenC3 COSMOS: Hijacked session token can be used to reset password for persistence

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

## Summary

<b>CVE</b>	CVE-2026-42084
<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 18:16:30 UTC
<b>Updated</b>	2026-05-04 18:16:30 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 8.1 HIGH from security-advisories@github.com

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

**Problem Types:** CWE-620 | CWE-620 CWE-620: Unverified Password Change

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	8.1	HIGH	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:N
3.1	CNA	DECLARED	8.1	HIGH	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:N

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

None

CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/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 < 6.10.5	Not specified
CNA	<a href="#">OpenC3</a>	<a href="#">Cosmos</a>	affected >= 7.0.0.pre.rc1, < 7.0.0-rc3	Not specified

#### References

Reference	Source	Link	Ta
<a href="https://github.com/OpenC3/cosmos/releases/tag/v6.10.5">github.com/OpenC3/cosmos/releases/tag/v6.10.5</a>	security-advisories@github.com	<a href="https://github.com">github.com</a>	
<a href="https://github.com/OpenC3/cosmos/security/advisories/GHSA-wgx6-g857-jjf7">github.com/OpenC3/cosmos/security/advisories/GHSA-wgx6-g857-jjf7</a>	security-advisories@github.com	<a href="https://github.com">github.com</a>	
<a href="https://github.com/OpenC3/cosmos/commit/2e623714e3426d5ae81b6f8239d4a2a6937ef776">github.com/OpenC3/cosmos/commit/2e623714e3426d5ae81b6f8239d4a2a6937ef776</a>	security-advisories@github.com	<a href="https://github.com">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="https://github.com">github.com</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	ca
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	ca

No vendor comments have been submitted for this CVE.

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

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