



# LangChain has incomplete f-string validation in prompt templates

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## Summary

<b>CVE</b>	CVE-2026-40087
<b>State</b>	PUBLISHED
<b>Assigner</b>	GitHub_M
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-09 20:16:27 UTC
<b>Updated</b>	2026-04-16 20:48:43 UTC

**Description** LangChain is a framework for building agents and LLM-powered applications. Prior to 0.3.84 and 1.2.28, LangChain's f-string

## Risk And Classification

**Primary CVSS:** v3.1 5.3 MEDIUM from security-advisories@github.com

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

**EPSS:** 0.000480000 probability, percentile 0.146550000 (date 2026-04-15)

**Problem Types:** CWE-1336 | CWE-1336 CWE-1336: Improper Neutralization of Special Elements Used in a Template Engine

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	5.3	MEDIUM	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N
3.1	CNA	DECLARED	5.3	MEDIUM	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

None

Availability

None

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

### NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Langchain	Langchain Core	All	All	All	All

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Langchain-ai	Langchain	affected < 0.3.83	Not specified
CNA	Langchain-ai	Langchain	affected >= 1.0.0a1, < 1.2.28	Not specified

### References

Reference	Source	Link	Tags
github.com/langchain-ai/langchain/releases/tag/langchain-core%3D%3D1.2.28	security-advisories@github.com	github.com	Product
github.com/langchain-ai/langchain/pull/36612	security-advisories@github.com	github.com	Issue T
github.com/langchain-ai/langchain/pull/36613	security-advisories@github.com	github.com	Issue T
github.com/langchain-ai/langchain/commit/6bab0ba3c12328008ddca3e0d54ff5a...	security-advisories@github.com	github.com	Patch
github.com/langchain-ai/langchain/commit/af2ed47c6f008cdd551f3c0d87db377...	security-advisories@github.com	github.com	Patch
github.com/langchain-ai/langchain/security/advisories/GHSA-926x-3r5x-gfhw	security-advisories@github.com	github.com	Mitigat
github.com/langchain-ai/langchain/releases/tag/langchain-core%3D%3D0.3.84	security-advisories@github.com	github.com	Product
CVE Program record	CVE.ORG	www.cve.org	canoni
NVD vulnerability detail	NVD	nvd.nist.gov	canoni

No vendor comments have been submitted for this CVE.

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

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