



# Security Bulletin: Authenticated Remote Code Execution Vulnerability in Langflow Code Validation Endpoint

## Security Bulletin

### Summary

IBM Langflow Desktop contains a vulnerability in its code validation functionality where the `/api/v1/validate/code` endpoint uses Python's `exec()` to process user-supplied input and fails to account for decorator execution during function definition parsing, allowing authenticated attackers to inject malicious decorators that execute immediately during validation; this flaw enables arbitrary command execution on the server with the privileges of the Langflow backend service, leading to full system compromise and unauthorized access to sensitive data.

### Vulnerability Details

**CVEID:** [CVE-2026-6543](https://www.cve.org/CVERecord?id=CVE-2026-6543) (<https://www.cve.org/CVERecord?id=CVE-2026-6543>)

**DESCRIPTION:** Langflow allows an attacker to execute arbitrary commands with the privileges of the process running Langflow. This allows reading sensitive environment variables (API keys, DB credentials), modifying files, or launching further attacks on the internal network.

**CWE:** [CWE-94: Improper Control of Generation of Code \('Code Injection'\)](https://cwe.mitre.org/data/definitions/94.html)

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**CVSS Source:** IBM

**CVSS Base score:** 8.8

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

### Affected Products and Versions

Affected Product(s)	Version(s)
IBM Langflow Desktop	1.0.0 - 1.8.4

### Remediation/Fixes

IBM recommends addressing the vulnerability now by upgrading to IBM Langflow Desktop 1.9.0 or newer <https://www.langflow.org/blog/langflow-1-8-desktop> (<https://www.langflow.org/blog/langflow-1-8-desktop>)


If you are already using Langflow Desktop, upgrade in the application to version 1.9.0

To install Langflow Desktop for the first time, visit [Download Langflow Desktop](https://langflow.org/desktop) (<https://langflow.org/desktop>).

### Workarounds and Mitigations

None

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## References

[Complete CVSS v3 Guide](#) 

[On-line Calculator v3](#) 

## Related Information

[IBM Secure Engineering Web Portal](http://www.ibm.com/security/secure-engineering/bulletins.html) (<http://www.ibm.com/security/secure-engineering/bulletins.html>)

[IBM Product Security Incident Response Blog](http://www.ibm.com/blogs/psirt) (<http://www.ibm.com/blogs/psirt>)

## Acknowledgement

Eran Shimony (Palo Alto Networks)

## Change History

28 Apr 2026: Initial Publication

\*The CVSS Environment Score is customer environment specific and will ultimately impact the Overall CVSS Score. Customers can evaluate the impact of this vulnerability in their environments by accessing the links in the Reference section of this Security Bulletin.

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## Document Information

**More support for:**

Langflow OSS

**Software version:**

1.0.0 - 1.8.4

**Operating system(s):**

Windows, Mac OS

**Document number:**

7271092

**Modified date:**

28 April 2026

**Initial Publish date:**

28 April 2026