Apache Airflow: RCE by race condition in example_xcom dag

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

Summary

CVE	CVE-2025-54550
State	PUBLISHED
Assigner	apache
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-15 04:17:32 UTC
Updated	2026-04-17 18:38:08 UTC
Description	The example example_xcom that was included in airflow documentation implemented unsafe pattern of reading value from

Risk And Classification

Primary CVSS: v3.1 8.1 HIGH from ADP

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

EPSS: 0.000570000 probability, percentile 0.178750000 (date 2026-04-21)

Problem Types: CWE-94 | CWE-94 CWE-94: Improper Control of Generation of Code ('Code Injection')

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	8.1	HIGH	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:N
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	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

ntegrity

High

Availability

None

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Apache	Airflow	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Apache Software Foundation	Apache Airflow	affected 3.2.0 semver	Not specified

References

Reference	Source	Link	Tags
github.com/apache/airflow/pull/63200	security@apache.org	github.com	Issue Track
lists.apache.org/thread/3mf4cfx070ofsnf9qy0s2v5gqb5sc2g1	security@apache.org	lists.apache.org	Mailing List
www.openwall.com/lists/oss-security/2026/04/15/1	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com	Mailing List
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical,

Vendor Comments And Credit

Discovery Credit

CNA: Vincent55 Yang (en)

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