CVE-2023-40273

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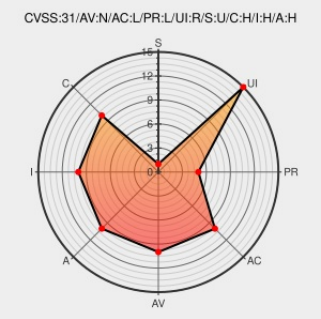

Certain versions of Airflow from Apache contain the following vulnerability:

The session fixation vulnerability allowed the authenticated user to continue accessing Airflow webserver even after the password of the user has been reset by the admin - up until the expiry of the session of the user. Other than manually cleaning the session database (for database session backend), or changing the secure_key and restarting the webserver, there were no mechanisms to force-logout the user (and all other users with that). With this fix implemented, when using the database session backend, the existing sessions of the user are invalidated when the password of the user is reset. When using the securecookie session backend, the sessions are NOT invalidated and still require changing the secure key and restarting the webserver (and logging out all other users), but the user resetting the password is informed about it with a flash message warning displayed in the UI. Documentation is also updated explaining this behaviour. Users of Apache Airflow are advised to upgrade to version 2.7.0 or newer to mitigate the risk associated with this vulnerability.

CVE-2023-40273 has been assigned by security@apache.org to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **Apache Software Foundation** - **Apache Airflow** version **< 2.7.0**

CVSS3 Score: 8 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	LOW	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVE References

Description	Tags	Link

No Description Provided	lists.apache.org text/html	MISC lists.apache.org/thread/9rdmv8ln4y4ncbyrlmjrsj903x4l80nj
oss-security - CVE-2023-40273: Session fixation in Apache Airflow web interface	www.openwall.com text/html	MISC www.openwall.com/lists/oss-security/2023/08/23/1
Remove user sessions when resetting password by potiuk · Pull Request #33347 · apache/airflow · GitHub	github.com text/html	MISC github.com/apache/airflow/pull/33347
oss-security - CVE-2023-40273: Session fixation in Apache Airflow web interface	www.openwall.com text/html	MISC www.openwall.com/lists/oss-security/2023/08/23/1

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

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

cpe:2.3:a:apache:airflow:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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