CVE-2023-25559

Published on: Not Yet Published

Last Modified on: 02/21/2023 08:00:00 PM UTC

CVE-2023-25559 - advisory for GHSA-qgp2-qr66-j8r8

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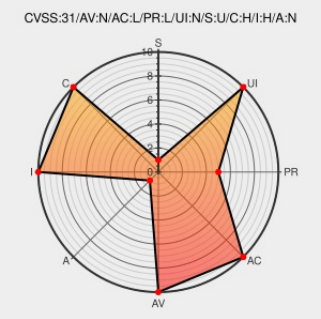

Certain versions of Datahub from Datahub Project contain the following vulnerability:

DataHub is an open-source metadata platform. When not using authentication for the metadata service, which is the default configuration, the Metadata service (GMS) will use the X-DataHub-Actor HTTP header to infer the user the frontend is sending the request on behalf of. When the backends retrieves the header, its name is retrieved in a case-insensitive way. This case differential can be abused by an attacker to smuggle an X-DataHub-Actor header with different casing (eg: X-DATAHUB-ACTOR). This issue may lead to an authorization bypass by allowing any user to impersonate the system user account and perform any actions on its behalf. This vulnerability was discovered and reported by the GitHub Security lab and is tracked as GHSL-2022-079.

CVE-2023-25559 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **datahub-project** - **datahub** version **= < 0.8.45**

CVSS3 Score: 8.1 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	NONE

CVE References

Description	Tags	Link
System account impersonation (`GHSL-2022-079`) · Advisory · datahub-project/datahub · GitHub	github.com text/html	MISC github.com/datahub-project/datahub/security/advisories/GHSA-qgp2-qr66-j8r8

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Datahub Project	Datahub	All	All	All	All

cpe:2.3:a:datahub_project:datahub:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2023-25559 : DataHub is an open-source metadata platform. When not using authentication for the metadata servic… twitter.com/i/web/status/1…	2023-02-10 23:08:42
/r/netcve	CVE-2023-25559	2023-02-11 00:38:47

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