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Insecure Transmission of Authentication Credentials via Password Parameter in HTTP Request Query String When Accessing Shared Albums in Immich

Moderate jrasm91 published GHSA-78x4-6x83-jx75 20 hours ago

Package

 immich-server (Docker)

Affected versions

< v2.5.2

Patched versions

>= 2.6.0

Description

Summary

The Immich application is vulnerable to credential disclosure when a user authenticates to a shared album. During the authentication process, the application transmits the album password within the URL query parameters in a GET request to `/api/shared-links/me`. This exposes the password in browser history, proxy and server logs, and referrer headers, allowing unintended disclosure of authentication credentials. The impact of this vulnerability is the potential compromise of shared album access and unauthorized exposure of sensitive user data.

Details

The application transmits and exposes sensitive authentication credentials and user data during the shared album authentication process. Specifically, the `/api/shared-links/me` endpoint accepts the album password as a query parameter within the request URL and subsequently returns it in the HTTP response body alongside sensitive information about the album owner.

Example:

```
GET /api/shared-links/me?password=admin@44&slug=private
```



This behavior results in multiple layers of data exposure. The inclusion of the password in the request URI causes it to appear in browser history, reverse proxy logs, and referrer headers, while the server response further discloses sensitive details including user identifiers, email address, and more. As a result, an unauthenticated attacker with network access, access to logs, or control of intermediate systems could obtain the album password which leads to gaining access to album media content, and related personal data, compromising the confidentiality of private content and user information.

PoC

Steps to reproduce

1. Login as an admin to the Immich application.
2. Click on Sharing > Create album.
3. Fill in the album details including a title, description, and select an already uploaded image.
4. Click on the “Share” button in the top right corner.
5. Click on “Create Link”.
6. Enter the details for the custom URL and password.
7. Click on “Create Link”.
8. This will show the QR code and the URL generated to access the album.
9. Visit the link in an incognito browser window (without any previous session cookies.)
10. Open the network tab in the developer mode in the browser.
11. Visit the link and enter the password to authenticate to the Album.
12. Observe how the request transmits the password as a query parameter in the GET request URL.

Proof of Concept (Image)

The screenshot shows a Firefox Developer Edition browser window displaying a 'shared album' page. The page title is 'shared album' and it shows a date range from 'Aug 25, 2024' to 'Aug 23, 2025' with '3 items'. Below the title, it says 'this is a secret shared album'. There are two image thumbnails: one with an error message 'Error loading image' and another with a cat and the text 'HACKERS GONNA HACK'. The browser's developer tools are open to the Network tab, showing a list of requests. A red box highlights a GET request to 'http://172.22.0.5:2283/api/shared-links/me?password=1234&slug=test'. A red arrow points from the top of the browser window down to this request. The request details show a status of '200 OK' and various headers.

S...	Me	Domain	File	Initiator	T...	Transf...	S...	Headers	Cookies	Request	Response	Timings	Stack Trace
200	G...	172...	me?password=1234&slug	s7Dk-O...	js...	1.77 kB	1...	Filter Headers					
200	G...	172...	buckets?albumId=0a710a	s7Dk-O...	js...	357 B	7...			GET http://172.22.0.5:2283/api/shared-links/me?password=1234&slug=test			
200	G...	172...	dark_skeleton.png	DvhSO...	p...	5.26 kB	4...				Status: 200 OK		
200	G...	172...	bucket?albumId=0a710ad	s7Dk-O...	js...	890 B	6...				Version: HTTP/1.1		
200	G...	172...	bucket?albumId=0a710ad	s7Dk-O...	js...	715 B	4...				Transferred: 1.77 kB (1.31 kB size)		
404	G...	172...	thumbnail?slug=test&size	img	js...	386 B	9...				Referrer Policy: strict-origin-when-cross-origin		
200	G...	172...	thumbnail?slug=test&size	img	w...	10.83 ...	1...				Request Priority: Highest		
200	G...	172...	thumbnail?slug=test&size	img	w...	7.84 kB	7...				DNS Resolution: System		

Recommendations

The `/api/shared-links/me` endpoint should be refactored to use the POST method and handle authentication credentials within the HTTP request body transmitted over HTTPS. The application must not include the password field in either the request URL or the API response. Upon successful authentication, the server should return only the necessary access token required for session validation. All sensitive fields, including password, userId, email, and owner information, should be excluded from API responses to prevent unnecessary exposure of personal or security-relevant data

Severity

Moderate

6.3 / 10

CVSS v4 base metrics

Exploitability Metrics

Attack Vector	Network
Attack Complexity	Low
Attack Requirements	Present
Privileges Required	None
User interaction	None

Vulnerable System Impact Metrics

Confidentiality	Low
Integrity	None
Availability	None

Subsequent System Impact Metrics

Confidentiality	None
Integrity	None
Availability	None

[Learn more about base metrics](#)

CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N

CVE ID

CVE-2026-25118

Weaknesses

▶ CWE-598

Credits



rvizx

Reporter