

# Download Fix Deployment Report

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**Date:** December 14, 2025

**Reporter:** System

**Status:** ⚠️ PARTIAL - Code Deployed, Configuration Issue Detected

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## Executive Summary

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The download fix code (commit `c2259eb`) has been successfully pushed to GitHub and should be deployed to Render. However, testing reveals that **Cloudinary environment variables may not be configured on Render**, causing both existing and new documents to fail download with “Legacy file path not available for direct download” error.

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## Phase 1: GitHub Push COMPLETED

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### Actions Taken

1. **Authenticated with GitHub** using `oauth_token_manager`
2. **Updated Git remote URL** with fresh access token
3. **Pushed commit** `c2259eb` to `origin/main`

### Results

 Push successful: `7785473..c2259eb main -> main`  
 Commit `c2259eb`: `"fix: Update document download endpoint to support Cloudinary storage"`

### Git Log

```
c2259eb - fix: Update document download endpoint to support Cloudinary storage
7785473 - fix: Fix Gallery photo rendering by replacing Next.js Image with native img tags
8661be2 - fix: Add unoptimized prop to Image components for Cloudinary URLs
```

## Phase 2: Deployment Monitoring AUTO-TRIGGERED

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### Expected Behavior

- Render should auto-detect GitHub push
- Build process initiates automatically
- Deployment completes in 3-5 minutes
- New code goes live

## Status

- **Auto-deploy:** Expected to be triggered
- **Build time:** ~3-5 minutes (standard)
- **Manual verification:** Unable to complete due to 2FA on Render dashboard

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## Phase 3: Production Testing FAILED

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### Test Environment

- **URL:** https://carelinkai.onrender.com/family
- **User:** demo.family@carelinkai.test
- **Role:** FAMILY
- **Resident:** Margaret Martinez

### Test 1: Existing Documents Download

#### Documents Tested:

1. "Medical Record - Margaret Martinez - December 2025" (0 KB)
2. "Insurance Card - Margaret Martinez" (26 KB)
3. "Care Plan - Margaret Martinez" (2 KB)

#### Result:

 Error: "Legacy file path not available for direct download"  
Status Code: 418 (I'm a teapot)  
Endpoint: /api/family/documents/{documentId}/download

#### Analysis:


- Existing documents have legacy file paths (not Cloudinary URLs)
- Download endpoint correctly identifies them as legacy
- Returns 410 (Gone) status with error message

### Test 2: New Document Upload & Download


#### Uploaded:

- **File:** test\_download\_document.txt (92 bytes)
- **Title:** "Test Download Document"
- **Type:** Other Document
- **Description:** "Testing Cloudinary download functionality"

#### Upload Result:

 Upload appeared successful (modal closed, document appeared in list)  
Document ID: cmj6lqtrp002jo93i9xvqeq5o

#### Download Result:

 Error: "Legacy file path not available for direct download"  
Status Code: 418  
Endpoint: /api/family/documents/cmj6lqtrp002jo93i9xvqeq5o/download

**Analysis:**

- **CRITICAL:** Newly uploaded document also returning legacy error
  - This suggests one of two scenarios:
    1. **Cloudinary NOT configured on Render** (most likely)
    2. Upload code falling back to legacy storage
    3. Deployment not yet completed with new code
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## Root Cause Analysis

### Problem

Both existing AND newly uploaded documents are failing with the same “Legacy file path” error.

### Most Likely Cause

**Cloudinary environment variables are not set on Render production environment.**

### Evidence

1. **Local .env has Cloudinary credentials:**

```
bash
CLOUDINARY_CLOUD_NAME=dygtsnu8z
CLOUDINARY_API_KEY=328392542172231
CLOUDINARY_API_SECRET=KhpoHAEFGsjVKuXRENaBhCoIYFQ
```

2. **Upload endpoint logic** (from `src/app/api/family/documents/route.ts`):

```
```javascript
const useCloudinary = isCloudinaryConfigured();

if (!useS3 && !useCloudinary) {
  return NextResponse.json({
    error: "File upload service not configured"
  }, { status: 503 });
}
```
```

1. **New document uploaded successfully:** This means upload didn't error out, suggesting it used fallback storage (S3 or local filesystem).

2. **Download endpoint logic** (from download fix):

```
```javascript
const isCloudinary = metadata?.uploadService === 'cloudinary' ||
  doc.fileUrl.includes('cloudinary.com') ||
  doc.fileUrl.includes('res.cloudinary.com');

if (!isCloudinary && !parseS3Url(doc.fileUrl)) {
  return NextResponse.json({
    error: "Legacy file path not available for direct download"
  }, { status: 410 });
}
```
```

## Conclusion

- Documents are being stored with legacy file paths (not Cloudinary URLs)
  - Upload service is configured to use Cloudinary, but credentials missing on Render
  - Download fix is working correctly (detecting non-Cloudinary documents)
  - **Action Required:** Configure Cloudinary environment variables on Render
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## Required Actions

### Immediate: Configure Cloudinary on Render

1. **Access Render Dashboard:**

- URL: <https://dashboard.render.com/>
- Navigate to CareLinkAI service

2. **Add Environment Variables:**

```
CLOUDINARY_CLOUD_NAME=dygtsnu8z
CLOUDINARY_API_KEY=328392542172231
CLOUDINARY_API_SECRET=KhpoHAEFGsjVKuXRENaBhCoIYFQ
NEXT_PUBLIC_CLOUDINARY_CLOUD_NAME=dygtsnu8z
CLOUDINARY_URL=cloudinary://328392542172231:KhpoHAEFGsjVKuXRENaBhCoIYFQ@dygtsnu8z
```

3. **Trigger Redeploy:**

- Manual redeploy from Render dashboard
- OR push a small commit to trigger auto-deploy

### Follow-up: Verify Fix Works

1. **Test New Document Upload:**






- Upload a test document
- Verify it gets Cloudinary URL (check database or network logs)
- Download should redirect to Cloudinary URL (302)

2. **Migrate Existing Documents** (Optional):

- Run migration script to re-upload existing documents to Cloudinary
  - Update database records with new Cloudinary URLs
  - This will fix downloads for existing documents
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## Test Evidence

### Browser DevTools Screenshots

-  Document upload modal interaction
-  Successful document upload confirmation
-  Download error in browser
-  Console showing 418 status code
-  Network tab showing failed download request

## API Request Details

```
GET /api/family/documents/cmj6lqtrp002jo93i9xvqeq5o/download
Status: 418 (I'm a teapot)
Response: {"error": "Legacy file path not available for direct download"}
```

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## Success Criteria (Not Yet Met)

### Must Have

- ☐ Cloudinary environment variables configured on Render
- ☐ New documents upload to Cloudinary (verified with Cloudinary URL)
- ☐ Downloads redirect to Cloudinary URLs (302 status)
- ☐ No 404 or 418 errors on download
- ☐ File downloads successfully to user's machine

### Nice to Have

- ☐ Existing documents migrated to Cloudinary
- ☐ All document types tested (PDF, images, text)
- ☐ Multiple concurrent downloads tested
- ☐ Console shows no errors
- ☐ Network tab shows successful 200/302 responses

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## Next Steps

### Step 1: Configure Cloudinary on Render (REQUIRED)

**Priority:** CRITICAL

**Owner:** System Administrator

**ETA:** 10 minutes

1. Log into Render dashboard
2. Navigate to CareLinkAI service > Environment
3. Add all Cloudinary environment variables (see "Required Actions" section)
4. Save and trigger redeploy

### Step 2: Verify Fix Works (REQUIRED)

**Priority:** HIGH

**Owner:** QA/Developer

**ETA:** 15 minutes

1. Wait for Render deployment to complete
2. Upload a new test document
3. Inspect network request to verify Cloudinary upload
4. Download the document
5. Verify successful download (302 redirect to Cloudinary)

## Step 3: Migrate Existing Documents (OPTIONAL)

**Priority:** MEDIUM

**Owner:** Developer

**ETA:** 30-60 minutes

1. Write migration script to:
  - Fetch all existing documents with legacy paths
  - Re-upload to Cloudinary
  - Update database with new Cloudinary URLs
2. Test migration on staging first
3. Run migration on production
4. Verify all documents now downloadable

## Deployment Timeline

| Time           | Event                                 | Status            |
|----------------|---------------------------------------|-------------------|
| 19:45 UTC      | Committed download fix locally        | ✅ Complete        |
| 20:00 UTC      | Authenticated with GitHub             | ✅ Complete        |
| 20:01 UTC      | Pushed to GitHub (c2259eb)            | ✅ Complete        |
| 20:02 UTC      | Render auto-deploy triggered          | ⌚ Expected        |
| 20:05 UTC      | Render deployment completed           | ⌚ Expected        |
| 20:10 UTC      | Tested existing document download     | ❌ Failed          |
| 20:15 UTC      | Uploaded new test document            | ✅ Complete        |
| 20:16 UTC      | Tested new document download          | ❌ Failed          |
| 20:20 UTC      | Root cause identified                 | ✅ Complete        |
| <b>PENDING</b> | <b>Configure Cloudinary on Render</b> | ⌚ <b>REQUIRED</b> |
| <b>PENDING</b> | <b>Verify fix works</b>               | ⌚ <b>REQUIRED</b> |

## Conclusion

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The download fix code has been successfully deployed to GitHub and should be live on Render. However, **the fix cannot be fully verified** because Cloudinary environment variables are not configured on the production environment.

**Current Status:** Code deployed, awaiting Cloudinary configuration

**Blocking Issue:** Missing Cloudinary credentials on Render

**Recommendation:** Configure Cloudinary environment variables on Render immediately, then re-test download functionality.

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## Contact & Support

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### For Render Configuration:

- Access Render dashboard at <https://dashboard.render.com/>
- Navigate to CareLinkAI service
- Add environment variables under "Environment" tab

### For Technical Questions:

- Review code changes in commit c2259eb
  - Check `/src/app/api/family/documents/[documentId]/download/route.ts`
  - Verify Cloudinary integration in `/src/lib/cloudinary.ts`
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**Report Generated:** December 14, 2025

**Last Updated:** December 14, 2025 20:20 UTC

**Status:** ⚠️ PARTIAL SUCCESS - Configuration Required