



Production Deployment Status - Video Upload Fix

Deployment Date: December 9, 2025
Status: ✔ **DEPLOYED AND RUNNING**
Server: mindfulchampion.com
Local Port: 8080



Deployment Summary

Build Information

- **Build Status:** ✔ Successful
- **Build Directory:** `.build` (symlinked to `.next`)
- **Build Timestamp:** 2025-12-09 01:59:41
- **Build Warnings:** Minor import warnings (non-blocking)

Server Status

- **Process Status:** ✔ Running
- **Process ID:** 1936
- **Port:** 8080
- **HTTP Status:** 200 OK
- **Log File:** `/home/ubuntu/mindful_champion/logs/production.log`

Deployment Timestamp

- **Completed At:** 2025-12-09 01:59:55



Video Upload Fix Details


What Was Fixed

1. **Pre-signed URL Generation** - Added retry logic with exponential backoff
2. **S3 Configuration Caching** - Improved performance by caching bucket configuration
3. **Enhanced Error Handling** - Better error messages and logging
4. **AWS Credential Validation** - Added credential verification before S3 operations

Files Modified

- `app/api/video-analysis/pre-signed-url/route.ts` - Enhanced with retry logic
- `lib/aws-config.ts` - Added configuration caching and validation



Git Commits

```
1bfd457 docs: Add concise meeting summary for video upload fix
f3220c3 docs: Add quick start guide for video upload testing
a90b26b  Fix video upload: Add retry logic, caching, and enhanced error handling
```




Testing Status

API Endpoint Verification

- **Endpoint:** `/api/video-analysis/pre-signed-url`
- **Response:**  Responding correctly
- **Auth Check:**  Properly requires authentication
- **Expected Behavior:** Returns “Unauthorized” without session (correct)





Environment Configuration

- **AWS Credentials:**  5 AWS environment variables configured
- **Environment File:** `.env` present and loaded
- **Required Variables:**
 - `AWS_ACCESS_KEY_ID`
 - `AWS_SECRET_ACCESS_KEY`
 - `AWS_REGION`
 - `AWS_S3_BUCKET`
 - `AWS_S3_PUBLIC_BUCKET`



How to Test on Production

For Users on mindfulchampion.com

1. **Login to your account** at <https://mindfulchampion.com>
2. **Navigate to Train → Video Analysis**
3. **Try uploading a video** (any size, preferably > 10MB)
4. **Check for:**
 -  Upload progress indicator
 -  No “413 Payload Too Large” errors
 -  No “Invalid bucket configuration” errors
 -  Successful upload completion

Expected User Experience

- **Before Fix:** Users saw errors on large video uploads
- **After Fix:** Smooth upload experience with retry logic handling temporary failures

Troubleshooting

If Video Upload Still Fails

1. **Check Browser Console** for JavaScript errors
2. **Check Network Tab** for failed requests
3. **Look for Error Messages:**
 - “Invalid AWS configuration” → AWS credentials issue
 - “Session expired” → User needs to re-login
 - “File too large” → Check S3 bucket limits

4. **Check Server Logs:**

```
bash
tail -f /home/ubuntu/mindful_champion/logs/production.log
```

5. **Check Process Status:**

```
bash
ps aux | grep "next start"
```

Common Issues and Solutions

Issue	Solution
Server not responding	Restart: <code>cd /home/ubuntu/mindful_champion/nextjs_space && ./deploy.sh</code>
AWS errors	Verify environment variables in <code>.env</code>
Build issues	Rebuild: <code>npm run build</code> then <code>./deploy.sh</code>
Port already in use	Kill process: <code>pkill -f "next start"</code>

Next Steps

For Testing on iPad

1. Open Safari on iPad
2. Go to <https://mindfulchampion.com>
3. Sign in to your account
4. Navigate to video upload section
5. Try uploading a video from camera roll
6. Report any issues with:
 - Error message
 - Video file size
 - Browser console errors (if accessible)

For Further Debugging

If issues persist after deployment:

1. Check if AWS S3 bucket permissions are correct

2. Verify CORS configuration on S3 bucket
 3. Check CloudFront/CDN caching (if applicable)
 4. Monitor server logs during upload attempts
 5. Test with different video file sizes and formats
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Support

Server Information

- **Application:** Next.js 14.2.28
- **Node Version:** Check with `node --version`
- **Server Location:** Local deployment on port 8080
- **Domain:** mindfulchampion.com (proxied to localhost:8080)

Log Files

- **Production Log:** `/home/ubuntu/mindful_champion/logs/production.log`
 - **Process ID File:** `/home/ubuntu/mindful_champion/logs/server.pid`
 - **Deployment Log:** `/home/ubuntu/mindful_champion/nextjs_space/deployment.log`
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Deployment Verification Checklist

- ☒ [x] Code committed to git
 - ☒ [x] Production build completed successfully
 - ☒ [x] Server deployed and running on port 8080
 - ☒ [x] Server responding to HTTP requests (200 OK)
 - ☒ [x] API endpoints accessible
 - ☒ [x] Authentication working
 - ☒ [x] Environment variables configured
 - ☒ [x] AWS credentials present
 - ☒ [x] Video upload API responding
 - ☐ [] User testing on production site
 - ☐ [] Verification on iPad (pending)
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Note: The localhost server (port 8080) is running on the production server machine. The domain mindfulchampion.com should be configured to proxy requests to this local server. Users access the application via the public domain, not localhost.