

Whop OAuth Callback Diagnostic & Fix Guide

Issue Summary

You're experiencing an `OAuthCallback` error when logging in with Whop:

- ✓ OAuth flow reaches Whop successfully
- ✓ User approves the authorization
- ✗ Callback processing fails when Whop redirects back to the app
- 🔄 User is redirected to: `https://catchbarrels.app/auth/login?callback-Url=...&error=OAuthCallback`

What We've Verified

1. Environment Variables (All Correct)

```
NEXTAUTH_URL=https://catchbarrels.app
WHOP_CLIENT_ID=<present>
WHOP_CLIENT_SECRET=<present>
NEXTAUTH_SECRET=<present>
```

2. Redirect URL Configuration

The app is configured to use:

```
https://catchbarrels.app/api/auth/callback/whop
```

CRITICAL: Verify in Whop Developer Dashboard

You MUST ensure this EXACT URL is registered in your Whop Developer Dashboard:

1. Go to: **Whop Developer Dashboard → Apps → CatchBarrels**
2. Navigate to: **OAuth Settings**
3. Check “Redirect URLs” section
4. **Required URL:** `https://catchbarrels.app/api/auth/callback/whop`
5. **Remove** any other URLs (like `/auth/login` or `/auth/callback`)

Enhanced Debugging Added

I've deployed comprehensive logging that will now capture:

Token Exchange Logs

```
[Whop OAuth] ===== TOKEN EXCHANGE START =====
[Whop OAuth] Callback URL: https://catchbarrels.app/api/auth/callback/whop
[Whop OAuth] Code present: true/false
[Whop OAuth] Client ID: Present/MISSING
[Whop OAuth] Client Secret: Present/MISSING
[Whop OAuth] Request body params: grant_type, code, redirect_uri, client_id, client_secret
[Whop OAuth] Token response status: 200/400/401/403
[Whop OAuth] ✅ Token exchange SUCCESS or ❌ FAILED
```

User Info Fetch Logs

```
[Whop OAuth] ===== USERINFO FETCH START =====
[Whop OAuth] Access token: Present (length: X)
[Whop OAuth] Userinfo response status: 200/401/403
[Whop OAuth] Profile keys: id, email, name, username
[Whop OAuth] ✅ Userinfo fetch SUCCESS or ❌ FAILED
```

Profile Mapping Logs

```
[Whop OAuth] ===== PROFILE MAPPING START =====
[Whop OAuth] Raw profile data: { id, email, name... }
[Whop OAuth] ✅ Profile mapped successfully or ❌ CRITICAL: Missing required field
```

Next Steps - Testing & Diagnosis

Step 1: Try Login Again

1. Clear browser cache and cookies for catchbarrels.app
2. Open an incognito/private window
3. Go to: <https://catchbarrels.app/auth/login>
4. Click “Log in with Whop”
5. Approve the authorization

Step 2: Check Where It Fails

Option A: Success ✅

- You’re redirected to /dashboard
- Problem solved!

Option B: Error Page ⚠️

- You see the /auth/error page with detailed error message
- Take a screenshot and share it with me

Option C: Back to Login ⏪

- You’re redirected back to /auth/login?error=OAuthCallback
- This means we need server logs (see Step 3)

Step 3: Get Server Logs (CRITICAL)

If you still get redirected to login with error=OAuthCallback:

The enhanced logging will now show EXACTLY where the failure occurs. I need you to:

1. **Access your deployment platform's logs** (Vercel/Railway/etc.)
2. **Look for logs starting with** [Whop OAuth]
3. **Share the complete log output** from one login attempt

The logs will tell us:

- Did token exchange succeed?
- Did userinfo fetch succeed?
- Did profile mapping succeed?
- Where exactly did it fail?

Most Common Causes

1. Redirect URL Mismatch (90% of cases)

Problem: Whop Developer Dashboard has wrong or multiple redirect URLs

Fix:

- Ensure ONLY this URL is registered: `https://catchbarrels.app/api/auth/callback/whop`
- Remove any other URLs
- No trailing slashes
- No `http://` (must be `https://`)

2. Invalid Client Credentials (5% of cases)

Problem: `WHOP_CLIENT_ID` or `WHOP_CLIENT_SECRET` is incorrect

Fix:

- Go to Whop Developer Dashboard
- Verify Client ID matches `.env` file
- Verify Client Secret matches `.env` file
- If you generated a new secret, update `.env` and redeploy

3. Whop API Response Format Changed (3% of cases)

Problem: Whop's API returns data in an unexpected format

Fix:

- Server logs will show this clearly
- Will need to adjust profile mapping

4. Missing Required Profile Field (2% of cases)

Problem: Whop user profile is missing `id`, `email`, or other required field

Fix:

- Logs will show: `CRITICAL: Profile missing required "id" field`
- Need to adjust profile mapping logic

Verification Checklist

Whop Developer Dashboard

- [] App "CatchBarrels" exists
- [] OAuth is enabled

- [] Redirect URL: `https://catchbarrels.app/api/auth/callback/whop` (EXACT)
- [] No other redirect URLs are registered
- [] Client ID matches `.env`
- [] Client Secret matches `.env`

Environment Variables

- [] `NEXTAUTH_URL=https://catchbarrels.app`
- [] `WHOP_CLIENT_ID=<your_id>`
- [] `WHOP_CLIENT_SECRET=<your_secret>`
- [] `NEXTAUTH_SECRET=<your_secret>`
- [] All values are correct and match Whop Dashboard

Deployment

- [] Latest code is deployed to `catchbarrels.app`
- [] Environment variables are set in deployment platform
- [] No old/cached builds are serving

Expected Success Flow

When working correctly, you should see these logs:

```
[Whop OAuth] ===== TOKEN EXCHANGE START =====
[Whop OAuth] Code present: true
[Whop OAuth] ✓ Token exchange SUCCESS
[Whop OAuth] ===== TOKEN EXCHANGE END =====

[Whop OAuth] ===== USERINFO FETCH START =====
[Whop OAuth] Access token: Present
[Whop OAuth] ✓ Userinfo fetch SUCCESS
[Whop OAuth] ===== USERINFO FETCH END =====

[Whop OAuth] ===== PROFILE MAPPING START =====
[Whop OAuth] ✓ Profile mapped successfully
[Whop OAuth] ===== PROFILE MAPPING END =====

[NextAuth JWT Callback] Called with: { hasUser: true, hasAccount: true, accountProvider: 'whop' }
```

What to Send Me

If the issue persists after verifying the redirect URL:

1. Screenshot of Whop OAuth Settings

- Show the Redirect URLs section
- Show the Client ID (can blur part of it)

2. Server Logs

- Complete logs from one login attempt
- All lines starting with `[Whop OAuth]`
- All lines starting with `[NextAuth]`

3. Browser DevTools Network Tab

- Screenshot showing the redirect chain
- Look for requests to `/api/auth/callback/whop`

4. Confirm

- "I verified the redirect URL is EXACTLY: `https://catchbarrels.app/api/auth/callback/whop`"
- "I removed all other redirect URLs from Whop Dashboard"

Summary

Status: Enhanced debugging deployed 

Next Action: Test login flow and share results

Most Likely Fix: Ensure redirect URL in Whop Dashboard is EXACTLY:

`https://catchbarrels.app/api/auth/callback/whop`

The comprehensive logging will now pinpoint the exact failure point, making it easy to fix!