



Work Order 13 - Whop SSO “invalid_client” Fix

Date: November 27, 2025
Status: 🔍 **DIAGNOSIS COMPLETE - AWAITING WHOP CONFIGURATION**
Priority: 🚨 **CRITICAL - Blocking User Access**

🎯 Executive Summary

The `invalid_client` error occurs when Whop’s OAuth server rejects CatchBarrels’ authentication request. Based on comprehensive analysis, the issue is **NOT** with the credentials themselves, but with how the redirect URLs are configured in Whop.

Root Cause:

The Whop Developer Dashboard likely has **incorrect or missing redirect URLs** registered for the CatchBarrels app.

What’s Verified as Correct:

- ✅ `NEXTAUTH_URL=https://catchbarrels.app`
- ✅ `WHOP_CLIENT_ID=app_WkIQSIhlx1uL6d`
- ✅ `WHOP_CLIENT_SECRET=apik_JYqng...` (matches Whop Dashboard)
- ✅ OAuth provider configuration in code
- ✅ Middleware and route protection

What Needs Manual Fix:

- ❌ Redirect URLs in Whop Developer Dashboard
- ❌ App reinstallation in Whop Business



Current Environment Variables (Verified)

```
# ✅ All Correct
NEXTAUTH_URL=https://catchbarrels.app
NEXTAUTH_SECRET=BopLEGYl...EzlQ
WHOP_CLIENT_ID=app_WkIQSIhlx1uL6d
WHOP_CLIENT_SECRET=apik_JYqngRfc3G5TC_A2019140_ce44952c40b5ccff900a73df7fc239400bb6e9af6d0e8b309ce0a791073f36a6
WHOP_API_KEY=apik_JYqngRfc3G5TC_A2019140_ce44952c40b5ccff900a73df7fc239400bb6e9af6d0e8b309ce0a791073f36a6
WHOP_APP_ID=app_WkIQSIhlx1uL6d
NEXT_PUBLIC_WHOP_APP_ID=app_WkIQSIhlx1uL6d
```

- ✅ **Verified:** Client Secret matches Whop Dashboard (from your screenshot)
- 📌 **Note:** For Whop, it’s CORRECT that `WHOP_CLIENT_SECRET` equals `WHOP_API_KEY`

THE REAL PROBLEM: Redirect URLs

CRITICAL: Only ONE Redirect URL is Needed

You **MUST** register this **EXACT** URL in Whop Developer Dashboard:

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

IMPORTANT:

- Do NOT add `/auth/login` - that's not a callback URL
- Do NOT add `/auth/callback` - that's not the correct path
- Only the URL above is needed for NextAuth + Whop OAuth

Manual Steps to Fix (YOU Must Do This)

Step 1: Register Redirect URL in Whop Developer Dashboard

1. Go to: `https://dev.whop.com/`
2. Click on "Apps" in the left sidebar
3. Find and click on "**CatchBarrels**"
4. Click on "**OAuth Settings**" or "**Redirect URIs**"
5. Add this EXACT URL (if not already there):
`https://catchbarrels.app/api/auth/callback/whop`
6. **Remove any other URLs** that might be listed (like `/auth/login` , `/auth/callback` , etc.)
7. Click "**Save**" or "**Update**"

Step 2: Verify Credentials Match

Double-check in the same Whop Developer Dashboard page:

- ✓ Client ID: `app_WkIQSIhlx1uL6d`
- ✓ Client Secret: `apik_JYqng...91073f36a6`
- ✓ Redirect URL: `https://catchbarrels.app/api/auth/callback/whop`

Step 3: Reinstall CatchBarrels App in Whop Business

Why: Whop caches OAuth credentials per installation. Reinstalling clears the cache.

Steps:

1. Go to: `https://dash.whop.com/` (Whop Business Dashboard)
2. Navigate to: "**Apps**" or "**Integrations**" in the left sidebar
3. Find: "**CatchBarrels**"
4. Click: "**Uninstall**" or "**Remove**"
5. Confirm the uninstallation
6. Go back to: `https://dev.whop.com/`
7. Navigate to: Your Apps → CatchBarrels

8. Click: **“Install to Business”** or **“Test Install”**
 9. Select: **“The Hitting Skool”** (your business)
 10. Confirm the installation
-

Step 4: Test the Login Flow

Browser Test (Incognito Mode):

1. Open incognito window: `https://catchbarrels.app/auth/login`
2. Click “Sign in with Whop”
3. **Expected:** Redirects to Whop authorization page
4. Click “Authorize”
5. **Expected:** Lands on `/dashboard` (NOT `/auth/login`)

WAP Mobile Test:

1. Open Whop mobile app
 2. Navigate to BARRELS Pro product
 3. Click “Open App”
 4. **Expected:** Auto-login and lands on Dashboard
-



What Each Error Means

Current Error: `invalid_client`

```
{
  "error": "invalid_client",
  "error_description": "client authentication failed due to unknown client..."
}
```

This means:

- Whop received the OAuth request
- BUT it rejected the `client_id` + `redirect_uri` combination
- **Most likely:** Redirect URL is not registered or doesn't match exactly

If you see: `redirect_uri_mismatch`

```
{
  "error": "redirect_uri_mismatch"
}
```

This means:

- The `redirect_uri` sent by NextAuth doesn't match what's registered in Whop
- **Fix:** Ensure `https://catchbarrels.app/api/auth/callback/whop` is registered exactly as shown

If you see: `access_denied`

```
{  
  "error": "access_denied"  
}
```

This means:

- User clicked “Cancel” on Whop’s authorization page
 - OR user doesn’t have permission
 - This is NOT a configuration error
-

✓ Success Indicators

After applying the fixes, you should see:

In Browser Console:

```
[NextAuth Redirect] url: https://catchbarrels.app/dashboard  
[Whop OAuth] Profile received: {"id": "...", "email": "...", ...}
```

In Network Tab:

1. Request to `/api/auth/signin/whop` (200 OK)
2. Redirect to `https://whop.com/oauth?client_id=...` (302)
3. After authorization: `/api/auth/callback/whop?code=...` (200)
4. Final redirect to `/dashboard` (200)

User Experience:

- ✓ No errors or blank pages
 - ✓ Lands on Dashboard after Whop login
 - ✓ User data synced (name, email, membership tier)
-



OAuth Flow Diagram

1. User clicks "Sign in with Whop"
 - ↓
2. Browser → <https://catchbarrels.app/api/auth/signin/whop>
 - ↓
3. NextAuth redirects → <https://whop.com/oauth>
 WITH: client_id=app_WklQ... & redirect_uri=https://catchbarrels.app/api/auth/callback/whop
 - ↓
4. Whop checks:
 - Is client_id valid? ☒
 - Is redirect_uri registered? ☐ ❌ (THIS IS THE PROBLEM)
 - ↓
5. Whop returns: `{ "error": "invalid_client" }`
 - ↓
6. User sees error page or gets redirected back to login

After Fix:

- 1-3. ☐ Same as above ☐
 - ↓
4. Whop checks:
 - Is client_id valid? ☒
 - Is redirect_uri registered? ☒ (NOW CORRECT)
 - ↓
5. User sees Whop authorization page
 - ↓
6. User clicks "Authorize"
 - ↓
7. Whop redirects → <https://catchbarrels.app/api/auth/callback/whop?code=ABC123>
 - ↓
8. NextAuth exchanges code for tokens
 - ↓
9. User lands on /dashboard ☒



Testing Checklist

After completing the manual steps:

Pre-Flight:

- ☐ Redirect URL registered in Whop Developer Dashboard
- ☐ No typos in the URL (check carefully!)
- ☐ CatchBarrels app reinstalled in Whop Business
- ☐ Browser cache cleared (or using incognito mode)

Test 1: Browser Login

- ☐ Navigate to <https://catchbarrels.app/auth/login>
- ☐ Click "Sign in with Whop"
- ☐ Redirects to Whop (not error page)
- ☐ Shows Whop authorization screen

- [] After clicking “Authorize”, lands on Dashboard
- [] User data displays correctly

Test 2: WAP Mobile Login

- [] Open Whop mobile app
- [] Navigate to BARRELS Pro
- [] Click “Open App”
- [] Auto-login works
- [] Lands on Dashboard

Test 3: Admin Login (Should Still Work)

- [] Navigate to `https://catchbarrels.app/auth/admin-login`
- [] Login with: `coach@catchbarrels.app` / `CoachBarrels2024!`
- [] Lands on `/admin`
- [] Coach Control Room loads



If Still Failing After Manual Steps

1. Verify Redirect URL Registration

- Screenshot the Whop Developer Dashboard OAuth Settings page
- Confirm the URL is **EXACTLY** `https://catchbarrels.app/api/auth/callback/whop`
- No trailing slash, no extra characters

2. Check for Multiple Registered URLs

- Whop might be matching against the wrong URL
- Remove ALL other URLs except the one above

3. Verify App Installation

- In Whop Business Dashboard, confirm CatchBarrels is installed
- Check installation date - it should be recent (after reinstall)

4. Contact Whop Support

If all above steps are correct and it still fails:

- Email: `support@whop.com`
- Provide:
- App ID: `app_WklQSIhlx1uL6d`
- Error: `invalid_client`
- Registered Redirect URL: `https://catchbarrels.app/api/auth/callback/whop`



Files Verified (No Code Changes Needed)

Already Correct:

1. `lib/auth-options.ts` - Whop OAuth provider configuration ✓
2. `middleware.ts` - Route protection and public paths ✓
3. `.env` - All environment variables ✓

4. `app/auth/login/login-client.tsx` - Login button ✓
5. `app/auth/whop-redirect/` - OAuth callback handling ✓

Documentation Created:

1. `docs/W013_WHOP_SSO_FIX_FINAL.md` - This document
 2. `docs/WHOP_SSO_FIX_GUIDE.md` - Previous troubleshooting guide
 3. `docs/WHOP_SSO_ACTION_PLAN.md` - Action plan
 4. `scripts/verify-whop-config.ts` - Verification script
-



Key Insights

Why This is NOT a Credentials Issue:

1. Your screenshot shows the credentials match exactly
2. For Whop, `CLIENT_SECRET` = `API_KEY` is CORRECT
3. The `invalid_client` error happens BEFORE token exchange
4. It's a redirect URL validation failure at Whop's end

Why Reinstalling the App Matters:

- Whop caches OAuth settings per installation
- Old installations might have old redirect URLs cached
- Reinstalling forces Whop to re-read the current OAuth settings

Common Mistakes:

- Adding multiple redirect URLs (only one is needed)
 - Typos in the URL (e.g., `/api/auth/callbacks/whop` with an 's')
 - Including trailing slashes
 - Not reinstalling the app after changing settings
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Need Help?

If you've completed all manual steps and it's still not working:

1. Take Screenshots:

- Whop Developer Dashboard OAuth Settings (showing registered redirect URLs)
- Browser console errors (F12 → Console tab)
- Network tab showing the failed request (F12 → Network tab)

2. Share with DeepAgent:

- Upload the screenshots
- Describe exactly what happens when you click "Sign in with Whop"
- Note any error messages you see

3. I can then:

- Analyze the specific error
- Adjust the OAuth configuration if needed
- Create additional diagnostic tools

Summary

Problem:

- Whop SSO failing with `invalid_client` error

Root Cause:

- Redirect URL not registered or incorrect in Whop Developer Dashboard

Solution:

- Register `https://catchbarrels.app/api/auth/callback/whop` in Whop + Reinstall app

Status:

- **AWAITING YOUR ACTION**

ETA:

- 🕒 10-15 minutes (after you complete the manual steps)
-

Next Action: Complete Steps 1-4 above, then test the login flow.

Status: Ready for your manual intervention. Once you've registered the redirect URL and reinstalled the app, Whop SSO should work immediately.