

Vercel Deployment Setup Guide

Required Environment Variables

To fix the OAuth callback error, you need to set the following environment variables in Vercel:

1. Core NextAuth Variables

NEXTAUTH_URL (CRITICAL)

```
https://google-ai-studio2.vercel.app
```

⚠ This MUST match your production domain exactly (no trailing slash)

NEXTAUTH_SECRET (CRITICAL)

```
Generate a secure random string using:  
openssl rand -base64 32
```

⚠ This is required for JWT encryption. Without it, authentication will fail.

2. Google OAuth Credentials

GOOGLE_CLIENT_ID

```
965990089842-q5k43c0u43ipe4itedrnhmqr3edh3ikc.apps.googleusercontent.com
```

GOOGLE_CLIENT_SECRET

```
[Your Google Client Secret]
```

3. Database Connection

DATABASE_URL

```
[Your Supabase PostgreSQL connection string]
```

Format: `postgresql://user:password@host:port/database`

4. AI API Keys (Optional for now, needed for AI features)

GOOGLE_GENERATIVE_AI_API_KEY

ANTHROPIC_API_KEY

OPENROUTER_API_KEY

How to Set Environment Variables in Vercel

1. Go to your Vercel project: <https://vercel.com/dashboard>
2. Select your project: `google-ai-studio2`
3. Click on “Settings” tab
4. Click on “Environment Variables” in the left sidebar
5. Add each variable:
 - Enter the variable name (e.g., `NEXTAUTH_SECRET`)
 - Enter the value
 - Select environments: **Production**, **Preview**, and **Development** (check all three)
 - Click “Save”
6. After adding all variables, you need to **redeploy** the application:
 - Go to “Deployments” tab
 - Click the three dots on the latest deployment
 - Click “Redeploy”

Google Cloud Console Setup

Make sure you have configured the redirect URIs in Google Cloud Console:

1. Go to <https://console.cloud.google.com/>
2. Select your project
3. Navigate to “APIs & Services” > “Credentials”
4. Click on your OAuth 2.0 Client ID
5. Under “Authorized redirect URIs”, ensure you have:
 - `https://google-ai-studio2.vercel.app/api/auth/callback/google`
 - ⚠ This MUST match exactly (with https, no trailing slash, correct domain)
6. Under “Authorized JavaScript origins”, add:
 - `https://google-ai-studio2.vercel.app`
7. Click “Save”

Troubleshooting Checklist

- ☐ All environment variables are set in Vercel (especially `NEXTAUTH_SECRET` and `NEXTAUTH_URL`)
 - ☐ Environment variables are set for all environments (Production, Preview, Development)
 - ☐ `NEXTAUTH_URL` matches your production domain exactly
 - ☐ Google Cloud Console redirect URI matches: `https://google-ai-studio2.vercel.app/api/auth/callback/google`
 - ☐ After setting variables, you’ve redeployed the application
 - ☐ Database is accessible from Vercel (check `DATABASE_URL` connection string)
 - ☐ Prisma schema is migrated to the database
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Testing After Setup

1. Wait for the redeployment to complete
2. Visit <https://google-ai-studio2.vercel.app>
3. Click “Continue with Google”
4. Complete the Google sign-in flow
5. You should be redirected to /app after successful authentication

If you still see the callback error, check the Vercel deployment logs for specific error messages.