

GarageGrid Lite - Deployment Guide

Deployment Issues Fixed

1. Authentication Configuration

- Removed deprecated `url` property from NextAuth options
- Fixed cookie configuration for production deployment
- Added proper secure cookie handling

2. Metadata Configuration

- Added `metadataBase` property to resolve Open Graph and Twitter image warnings
- Configured dynamic URL resolution based on environment

3. Environment Variables Setup

The following environment variables must be configured for deployment:

Required for Production

```
# Database
DATABASE_URL="your_production_database_url"

# Authentication - CRITICAL: Update this to your actual domain
NEXTAUTH_URL="https://your-domain.com"
NEXTAUTH_SECRET="your_secure_secret_key"

# API Keys
ABACUSAI_API_KEY="your_api_key"

# App Configuration
NEXT_PUBLIC_APP_NAME="GarageGrid Lite"
NODE_ENV="production"
```

Pre-Deployment Checklist

1. Environment Configuration

- ☐ Update `NEXTAUTH_URL` to your actual domain
- ☐ Verify `DATABASE_URL` points to production database
- ☐ Ensure `NEXTAUTH_SECRET` is a secure random string
- ☐ Configure `ABACUSAI_API_KEY` if using AI features

2. Database Setup

- ☐ Run database migrations: `yarn prisma migrate deploy`
- ☐ Seed initial data: `yarn prisma db seed`
- ☐ Verify database connectivity

3. Build Verification

- ☐ Run `yarn build` to ensure clean production build

- [] Check for any TypeScript errors
- [] Verify all pages generate correctly

4. Security Configuration

- [] HTTPS must be enabled for production
- [] Secure cookies will be automatically enabled in production
- [] CORS settings are configured in NextAuth

Deployment Commands

Build for Production

```
cd /path/to/project/app
yarn install --frozen-lockfile
yarn prisma generate
yarn prisma migrate deploy
yarn build
yarn start
```

Environment Setup

Create a production `.env` file with the required variables above.

Common Issues & Solutions

1. “No session cookie found” Error

- **Cause:** Incorrect `NEXTAUTH_URL` or HTTPS/cookie configuration
- **Solution:** Ensure `NEXTAUTH_URL` matches your exact deployment domain with protocol

2. Database Connection Issues

- **Cause:** Wrong `DATABASE_URL` or network restrictions
- **Solution:** Verify database URL and ensure deployment environment can access database

3. Build Warnings

- **Cause:** Missing `metadataBase` in metadata configuration
- **Solution:** Fixed in this update - `metadataBase` now configured dynamically

4. CSRF Token Issues

- **Cause:** Cookie domain/security mismatches
- **Solution:** Configured proper cookie settings for production/development environments

Testing Deployment

1. Build the application: `yarn build`
2. Start production server: `yarn start`
3. Test authentication flow
4. Verify all pages load correctly
5. Check database connectivity

Notes

- The app uses JWT strategy for sessions (stateless)
- All cookies are properly configured for security
- Database schema includes audit trails for user actions
- Shared data architecture allows all users to access the same inventory