

Netlify Deployment Configuration Fixes

Summary of Changes

I've fixed the Netlify deployment configuration for your Next.js application. The main issue was that Netlify was configured to treat your app as a static site, but your application has API routes that require server-side rendering (SSR).

Problems Identified

1. **Incorrect publish directory:** `netlify.toml` had `publish = ".next"` which only serves static files
2. **Wrong redirect rules:** Had SPA-style redirect (`/* → /index.html`) that conflicted with Next.js routing
3. **Missing Netlify plugin:** Wasn't using `@netlify/plugin-nextjs` for proper SSR support
4. **Output mode issue:** `next.config.js` had `output: process.env.NEXT_OUTPUT_MODE` which might force static export

API Routes Detected

Your app has the following API routes that require server-side functionality:

- `/api/contact` (`app/api/contact/route.ts`)
- `/api/newsletter` (`app/api/newsletter/route.ts`)
- `/api/orders` (`app/api/orders/route.ts`)

Files Modified

1. netlify.toml

Changes made:

- ☒ Removed incorrect `publish = ".next"` directive
- ☒ Removed SPA redirect rule (`/* → /index.html`)
- ☒ Added `@netlify/plugin-nextjs` plugin configuration
- ☒ Kept security headers and caching rules

New configuration:

```
[build]
  command = "npm run build"
[build.environment]
  NODE_VERSION = "18"
  NPM_VERSION = "9"

[[plugins]]
  package = "@netlify/plugin-nextjs"

# Security headers and caching rules preserved
```

2. next.config.js

Changes made:

- ☒ Removed `output: process.env.NEXT_OUTPUT_MODE` to allow SSR
- ☒ Kept all other configurations intact

3. package.json

Changes made:

- ☒ Added `"@netlify/plugin-nextjs": "^5.0.0"` to devDependencies

How the Essential Next.js Plugin Works

The `@netlify/plugin-nextjs` automatically handles:

- ☒ Server-side rendering (SSR) for pages
- ☒ API routes with proper serverless function deployment
- ☒ Static page optimization
- ☒ Incremental Static Regeneration (ISR)
- ☒ Image optimization
- ☒ Automatic routing without manual redirect rules

Next Steps to Deploy

Option 1: Manual Upload (Recommended)

Since the GitHub App needs permissions, you can manually push these files:

1. Download the fixed project from `/home/ubuntu/github_repos/emf-safe-haven/`
2. Open a terminal in your local machine
3. Navigate to the folder
4. Run:

```
bash
git init
git add .
git commit -m "Fix Netlify deployment configuration for Next.js"
git remote add origin https://github.com/ACIM2025/emf-safe-haven.git
git push -u origin main
```

Option 2: Grant GitHub App Access (Then I Can Push)

1. Visit: https://github.com/apps/abacusai/installations/select_target
2. Select the repository `emf-safe-haven`
3. Grant the Abacus.AI app access with "Read and write" permissions for Contents
4. Let me know, and I'll complete the push automatically

Option 3: Upload ZIP to GitHub

1. Go to: <https://github.com/ACIM2025/emf-safe-haven>
2. Click "uploading an existing file"
3. Drag and drop all files from `/home/ubuntu/github_repos/emf-safe-haven/`
4. Commit the changes

Redeploying on Netlify

After pushing to GitHub:

1. If using Netlify's GitHub integration:

- Netlify will automatically detect the push and redeploy
- The new configuration will be used automatically

2. If deploying manually:

- Go to your Netlify site dashboard
- Click "Deploys" → "Trigger deploy" → "Deploy site"
- Or connect the GitHub repository for automatic deploys

3. Install the plugin:

- Before the next deployment, run: `npm install`
- This ensures `@netlify/plugin-nextjs` is installed

Expected Results

After redeployment with these fixes:

- ☒ Home page will load correctly (not 404)
- ☒ API routes will work (`/api/contact` , `/api/newsletter` , `/api/orders`)
- ☒ Dynamic routes will function properly
- ☒ Server-side rendering will work as expected

Verification

Once deployed, test:

1. Visit your Netlify URL (`https://helpful-arithmetic-cfe59b.netlify.app/`)
2. Check that the home page loads (should see content, not 404)
3. Open browser DevTools → Network tab
4. Test any forms that use the API routes
5. Verify API endpoints respond correctly

Troubleshooting

If you still see issues:

1. Check Netlify build logs:

- Look for: `@netlify/plugin-nextjs` in the build output
- Ensure it says "Essential Next.js Build Plugin"

2. Verify environment variables:

- Make sure `NEXT_OUTPUT_MODE` is NOT set to 'export'
- Or remove this environment variable entirely

3. Clear Netlify cache:

- Go to Site Settings → Build & deploy → Clear cache and retry deploy

Files Ready for Push

All files are in: `/home/ubuntu/github_repos/emf-safe-haven/`

Git status: Ready to push with commit message:

Fix Netlify deployment configuration **for** Next.js

- Updated netlify.toml to use `@netlify/plugin-nextjs` **for** proper SSR support
- Removed incorrect publish directory (.next) that was causing 404 errors
- Removed SPA redirect rule that conflicted with Next.js routing
- Added `@netlify/plugin-nextjs` to **package.json** devDependencies
- Removed problematic output mode from next.config.js to enable server-side rendering
- App has API routes (`/api/contact`, `/api/newsletter`, `/api/orders`) which require SSR

Note: The configuration is now correct and ready to deploy. Once pushed to GitHub and redeployed on Netlify, your 404 errors should be resolved!