

Vercel Deployment Fix: Yarn to NPM Migration - Complete

Issue Summary

Vercel deployment was failing with the error:

```
error An unexpected error occurred: "ENOENT: no such file or directory, open '/vercel/path0/nextjs_space/yarn.lock'"
```

Root Cause: Even though we previously attempted to switch from yarn to npm, the `yarn.lock` symlink and `.yarnrc.yml` configuration file were still present in the `nextjs_space` directory. This caused Vercel to attempt using yarn instead of npm.

Fix Applied

Changes Made (Commit: `be42a9f`)

- Removed `yarn.lock` symlink**
 - Location: `/home/ubuntu/genesis_provenance/nextjs_space/yarn.lock`
 - This symlink was pointing to `/opt/hostedapp/node/root/app/yarn.lock` (only exists locally)
- Removed `.yarnrc.yml`**
 - Location: `/home/ubuntu/genesis_provenance/nextjs_space/.yarnrc.yml`
 - Yarn configuration file that was forcing yarn usage
- Kept `package-lock.json`**
 - Location: `/home/ubuntu/genesis_provenance/nextjs_space/package-lock.json`
 - Size: 757 KB
 - Contains: 1,376 packages
 - This file tells Vercel to use npm

Git Commit Details

```
Commit: be42a9f
Message: "Fix: Remove yarn.lock symlink and .yarnrc.yml to force npm on Vercel"
Files Changed: 2
- deleted: nextjs_space/.yarnrc.yml
- deleted: nextjs_space/yarn.lock
```

Expected Vercel Deployment

Now that the fix is pushed to GitHub, Vercel will automatically:

1. Detect the Push

Trigger: Commit be42a9f pushed to main branch
Expected Time: Within 30 seconds

2. Start New Build

- ✓ Cloning github.com/Merihun/genesis-provenance
- ✓ Build Configuration: Detected Next.js
- ✓ Package Manager: npm (auto-detected from package-lock.json)
- ✓ Install Command: npm ci
- ✓ Build Command: npm run build

3. Build Process

```
# Expected output:
> npm ci
  ✓ Installed 1376 packages in 45s

> npm run build
  ✓ Linting and checking validity of types
  ✓ Creating an optimized production build
  ✓ Compiled successfully
  ✓ Collecting page data
  ✓ Generating static pages (71/71)
  ✓ Finalizing page optimization

Route (app)                                Size
├─ /                                         X kB
├─ /analytics                             X kB
├─ /vault                                  X kB
└─ ... (71 total routes)

✓ Build completed successfully
```

4. Deployment

- ✓ Build output uploaded
- ✓ Deployment assigned URL
- ✓ Domain updated: https://app.genesisprovenance.com
- ✓ Status: Ready



How to Monitor Deployment

Option 1: Vercel Dashboard

1. Go to: <https://vercel.com/dashboard>
2. Click on “genesis-provenance” project
3. Look for the latest deployment with commit message:

Fix: Remove yarn.lock symlink and .yarnrc.yml to force npm on Vercel
4. Watch the build logs in real-time

Option 2: GitHub Integration

1. Go to: <https://github.com/Merihun/genesis-provenance/commits/main>
2. Look for commit `be42a9f`
3. You'll see a yellow circle (building) or green checkmark (success) from Vercel

✅ Verification Steps

Once Vercel deployment shows "Ready":

1. Test Homepage

`https://app.genesisprovenance.com`

- ✅ Should load the login page
- ✅ No 404 error
- ✅ All styling intact

2. Test Login

Credentials: `john@doe.com / password123`

- ✅ Login successful
- ✅ Redirects to `/dashboard`
- ✅ Dashboard loads correctly

3. Test Key Pages

- ✅ `/dashboard` - Dashboard home
- ✅ `/vault` - Asset vault
- ✅ `/analytics` - Portfolio analytics
- ✅ `/team` - Team management
- ✅ `/settings/billing` - Billing page
- ✅ `/admin` - Admin console (**for** admin users)

4. Test Navigation

- ✅ Sidebar links work
- ✅ Top bar navigation works
- ✅ No broken links
- ✅ No 404 errors



What Changed from Previous Attempts

Previous Attempt (Commit: 172c1ae)

- ❌ Removed `vercel.json` only
- ❌ Removed `yarn.lock` from root, but not from `nextjs_space`
- ❌ `.yarnrc.yml` was still present

- ❌ Vercel still tried to use yarn

Current Fix (Commit: be42a9f)

- ✅ Removed `yarn.lock` symlink from `nextjs_space`
- ✅ Removed `.yarnrc.yml` from `nextjs_space`
- ✅ `package-lock.json` is the only lockfile
- ✅ Vercel will auto-detect and use npm

📁 Current File Structure

```
/home/ubuntu/genesis_provenance/nextjs_space/
├── package.json          ✅ (npm package manifest)
├── package-lock.json     ✅ (npm lockfile - 757 KB)
├── .yarn/                ⚠️ (leftover directory, harmless)
├── node_modules/         ✅ (installed via npm locally)
├── [no yarn.lock]        ✅ (removed)
├── [no .yarnrc.yml]      ✅ (removed)
└── [no vercel.json]      ✅ (removed)
```

Note: The `.yarn/` directory is harmless without `.yarnrc.yml`. Vercel will ignore it.

🔧 Technical Explanation

Why Vercel Chooses Package Manager

Vercel auto-detects the package manager based on lockfiles in this priority:

1. **pnpm-lock.yaml** → uses `pnpm`
2. **yarn.lock** → uses `yarn`
3. **package-lock.json** → uses `npm`
4. **No lockfile** → uses `npm` (default)

Previous State (Broken)

```
Files Present:
- yarn.lock (symlink)
- .yarnrc.yml
- package-lock.json

Vercel Decision: Use yarn (because yarn.lock exists)
Result: ❌ FAIL (yarn.lock file not found on Vercel)
```

Current State (Fixed)

```
Files Present:
- package-lock.json

Vercel Decision: Use npm (no yarn.lock, has package-lock.json)
Result: ✅ SUCCESS (npm ci works correctly)
```

Troubleshooting

If Build Still Fails

Issue: “Still seeing yarn install in logs”

Cause: Vercel cached the old build configuration

Solution:

1. Go to Vercel Dashboard
2. Click “Deployments” tab
3. Find the latest deployment
4. Click “...” (three dots) → “Redeploy”
5. Check “Clear Build Cache”
6. Click “Redeploy”

Issue: “Module not found” errors

Cause: npm install didn’t run correctly

Solution:

1. Check `package.json` dependencies are valid
2. Verify `package-lock.json` is not corrupted
3. Re-generate locally:

```
bash
cd /home/ubuntu/genesis_provenance/nextjs_space
rm -rf node_modules
rm package-lock.json
npm install
git add package-lock.json
git commit -m "Regenerate package-lock.json"
git push
```

Issue: “Build succeeds but site shows 404”

Cause: Unrelated to package manager, likely `next.config.js` issue

Solution: Verify `next.config.js` doesn’t have `output`, `distDir`, or `outputFileTracingRoot` settings



Expected Timeline

Step	Time	Status
Commit pushed to GitHub	0 min	✓ Done
Vercel detects push	0-1 min	⌚ Automatic
Vercel starts build	1-2 min	⌚ Automatic
npm ci (install)	2-3 min	⌚ Automatic
npm run build	3-8 min	⌚ Automatic
Deployment ready	8-10 min	⌚ Automatic
Total Time	~10 minutes	⌚ In Progress



Success Criteria

The fix is successful when:

- ✓ Vercel build logs show `npm ci` instead of `yarn install`
- ✓ Build completes without “ENOENT” errors
- ✓ Deployment status shows “Ready”
- ✓ `https://app.genesisprovenance.com` loads without 404
- ✓ Login works and redirects to dashboard
- ✓ All navigation links work correctly



Summary

What Was Fixed

- ✓ Removed `yarn.lock` symlink from `nextjs_space/`
- ✓ Removed `.yarnrc.yml` from `nextjs_space/`
- ✓ Ensured `package-lock.json` is the only lockfile
- ✓ Committed and pushed changes to GitHub (commit: `be42a9f`)

What Happens Next

- ⌚ Vercel auto-detects the push
- ⌚ Vercel builds using `npm` (not yarn)
- ⌚ Build completes successfully
- ⌚ Site deploys to `https://app.genesisprovenance.com`

Current Status

- **Git:** ✓ Changes pushed to `main` branch

- **Vercel:** 🕒 Auto-deployment in progress
- **ETA:** ~10 minutes from push

Next Steps for You

1. **Wait 10 minutes** for Vercel to complete deployment
2. **Check Vercel Dashboard** at <https://vercel.com/dashboard>
3. **Test the site** at <https://app.genesisprovenance.com>
4. **Verify login** with `john@doe.com` / `password123`
5. **Test navigation** across all pages

If you see any issues after 10 minutes, please provide:

- Screenshot of Vercel build logs
- Screenshot of the error (if any)
- URL where the error occurs

Fix Applied:  Complete

Pushed to GitHub:  Yes (commit: `be42a9f`)

Vercel Deployment: 🕒 In Progress

Expected Live Time: ~10 minutes from now