

# Studio 2 - Complete Migration & Setup Guide

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**Created:** October 20, 2025

**Original App:** NCP Studio (deployed at /home/ubuntu/Uploads)

**Cloned App:** Studio 2 (located at /home/ubuntu/studio\_2)

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## Overview

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Studio 2 is a **completely independent clone** of the original NCP Studio app, created to allow structural changes, formula modifications, and questionnaire updates without affecting the live deployed version.

**Key Achievement:** Complete isolation with zero interference between Studio and Studio 2.

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## Summary of Changes

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### 1. Project Name & Branding

All references to “NCP Studio” have been updated to “Studio 2”:

File	Original	Updated
package.json	"name": "app"	"name": "studio-2"
app/layout.tsx	"NCP Studio - Professional..."	"Studio 2 - Professional..."
app/auth/login/page.tsx	"Welcome to NCP Studio"	"Welcome to Studio 2"
app/auth/login/page.tsx	"NCP Studio" (heading)	"Studio 2"
app/auth/signup/page.tsx	"Join NCP Studio"	"Join Studio 2"
app/schemas/page.tsx	"Schema Library   NCP-Studio"	"Schema Library   Studio 2"
app/schemas/page.tsx	"...NCP-Studio's analysis engine"	"...Studio 2's analysis engine"
app/modes/page.tsx	"Mode Library   NCP-Studio"	"Mode Library   Studio 2"
components/header-client.tsx	"NCP Studio" (2 instances)	"Studio 2" (2 instances)
components/home-page-client.tsx	"NCP Studio" (3 instances)	"Studio 2" (3 instances)
scripts/seed.ts	organization: 'NCP Studio'	organization: 'Studio 2'

## 2. Hardcoded Path References

All hardcoded paths updated from `/home/ubuntu/ncp_studio` to `/home/ubuntu/studio_2`:

File	Changes
prisma/schema.prisma	Prisma client output path updated
test_bridge_fix.js	.env path and working directory updated
scripts/reset-for-fresh-start.ts	All path references updated (7 instances)

## 3. Database Configuration

### Original Studio (PostgreSQL):

```
DATABASE_URL="postgresql://
role_10bce3c338:mSSz_Qluik_gRsZ6Et82yok79xBazaHm@db-10bce3c338.db002.hosteddb.reai.io:
5432/10bce3c338?connect_timeout=15"
```

## Studio 2 (SQLite - Independent):

```
DATABASE_URL="file:./studio_2.db"
```

### Why SQLite?

- Complete isolation from production PostgreSQL database
- No network dependencies
- Perfect for development and testing
- Easy to backup (single file: `studio_2.db` )
- Can be migrated to PostgreSQL later if needed

### Database Provider Change:

- Prisma schema updated: `provider = "sqlite"` (was `postgresql` )
- PostgreSQL-specific annotations removed ( `@db.Text` )
- Array fields converted to string fields for SQLite compatibility:
- `SessionNote.tags : String[]` → `String` (comma-separated)
- `Mode.linkedSchemas : String[]` → `String` (comma-separated)

## 4. Authentication Secret

### Original Studio:

```
NEXTAUTH_SECRET="8FhN5a3AIAHDeAELJFj85EIfyKEMK3kw"
```

### Studio 2 (New):

```
NEXTAUTH_SECRET="yu1KpXLVfIg10SVs4jai44HbP5UUeBEgYH/tzcoDynI="
```

### Why New Secret?

- Ensures separate session management
- Prevents JWT token reuse between environments
- Additional security layer for complete isolation

## 5. Database Schema Modifications for SQLite

Change Type	Details
Provider	Changed from PostgreSQL to SQLite
Text fields	Removed <code>@db.Text</code> annotations (PostgreSQL-specific)
Array fields	Converted <code>String[]</code> to <code>String</code> (comma-separated values)
Generator output	Updated to <code>/home/ubuntu/studio_2/node_modules/.prisma/client</code>

## Setup Instructions

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### Initial Setup (Already Completed)

```
cd /home/ubuntu/studio_2

# 1. Install dependencies
npm install --legacy-peer-deps

# 2. Generate Prisma Client
npx prisma generate

# 3. Create database and run migrations
npx prisma migrate dev --name init

# 4. Seed the database (automatically ran during migration)
npx prisma db seed
```

### Test Account Credentials

```
Email: john@doe.com
Password: johndoe123
Role: Master Coach
Organization: Studio 2
```

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## Running Studio 2

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### Development Server

```
cd /home/ubuntu/studio_2
npm run dev
```

The app will be available at: `http://localhost:3000`

### Production Build

```
cd /home/ubuntu/studio_2
npm run build
npm run start
```

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## Project Structure

```
/home/ubuntu/studio_2/
├── .env                # Studio 2 environment variables (SQLite DB)
├── studio_2.db         # SQLite database file (auto-generated)
├── package.json        # Updated with name "studio-2"
├── prisma/
│   ├── schema.prisma   # Updated for SQLite
│   └── migrations/     # Migration history
├── app/               # Next.js app directory
├── components/        # React components (branding updated)
├── lib/               # Utility libraries
├── scripts/           # Database scripts (paths updated)
└── public/            # Static assets
```

## Complete Isolation Checklist

- ✓ **Separate Database:** Studio 2 uses SQLite ( `studio_2.db` )
- ✓ **Different Project Path:** `/home/ubuntu/studio_2` (vs. `/home/ubuntu/ncp_studio` )
- ✓ **Unique Auth Secret:** New NEXTAUTH\_SECRET generated
- ✓ **Independent Branding:** All “NCP Studio” → “Studio 2”
- ✓ **Isolated Dependencies:** Separate `node_modules` directory
- ✓ **Updated Scripts:** All path references point to `studio_2`
- ✓ **Separate Uploads:** Project-relative `uploads/` folder
- ✓ **Independent Profiles:** Project-relative `coachee-profiles/` folder

## Making Changes in Studio 2

You can now safely:

1. **Modify Formulas:** Update calculation logic in `/lib/utils/` files
2. **Change Questionnaires:** Modify assessment structures
3. **Update Schema Mappings:** Edit schema scoring in `/data/` files
4. **Adjust Database Models:** Modify `prisma/schema.prisma` and run migrations
5. **Test New Features:** Experiment without production risk

## Example: Modifying Database Schema

```
cd /home/ubuntu/studio_2

# 1. Edit prisma/schema.prisma
# 2. Create migration
npx prisma migrate dev --name your_change_name

# 3. Generate updated Prisma Client
npx prisma generate
```

## Database Management

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### View Database

```
cd /home/ubuntu/studio_2
npx prisma studio
```

Opens Prisma Studio at `http://localhost:5555`

### Reset Database

```
cd /home/ubuntu/studio_2
npx prisma migrate reset
```

This will:

1. Drop all tables
2. Re-run all migrations
3. Re-seed the database

### Backup Database

```
# Simple file copy (SQLite advantage!)
cp /home/ubuntu/studio_2/studio_2.db /home/ubuntu/studio_2/studio_2_backup_$(date +%Y%m%d).db
```

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## Migrating to PostgreSQL (Optional)

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If you later want to use PostgreSQL for Studio 2:

1. Update `.env` :

```
DATABASE_URL="postgresql://user:password@host:5432/studio_2_db"
```

2. Update `prisma/schema.prisma` :

```
prisma
datasource db {
  provider = "postgresql"
  url      = env("DATABASE_URL")
}
```

3. Revert array fields:

- `SessionNote.tags : String → String[]`
- `Mode.linkedSchemas : String → String[]`

4. Add back `@db.Text` for large text fields

5. Run migrations:

```
bash
npx prisma migrate dev --name switch_to_postgresql
```

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## Comparison: Studio vs Studio 2

Aspect	Original Studio	Studio 2
Location	/home/ubuntu/Uploads	/home/ubuntu/studio_2
Name	NCP Studio	Studio 2
Database	PostgreSQL (Remote)	SQLite (Local)
DB File	N/A (Remote DB)	studio_2.db
Auth Secret	Original	New (Independent)
Purpose	Production/Live	Development/Testing
Risk	Changes affect users	Safe experimentation



## Important Notes

1. **Never Cross-Contaminate:** Keep Studio and Studio 2 completely separate
2. **Database Independence:** Studio 2 has its own database with separate data
3. **Session Management:** Users must log in separately to each instance
4. **Port Configuration:** Run on different ports if both need to be up simultaneously
5. **Environment Files:** Never copy `.env` between Studio and Studio 2



## Troubleshooting

### Issue: Prisma Client Not Found

```
cd /home/ubuntu/studio_2
npx prisma generate
```

### Issue: Database Connection Error

Check that `DATABASE_URL` in `.env` points to `file:./studio_2.db`

### Issue: Migration Conflicts

```
cd /home/ubuntu/studio_2
npx prisma migrate reset --force
```

## Issue: Node Modules Issues

```
cd /home/ubuntu/studio_2
rm -rf node_modules package-lock.json
npm install --legacy-peer-deps
```

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## Support & Documentation

- **Prisma Docs:** <https://www.prisma.io/docs>
- **Next.js Docs:** <https://nextjs.org/docs>
- **SQLite Docs:** <https://www.sqlite.org/docs.html>

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## Verification Checklist

Before considering the clone complete, verify:

- ☐ Studio 2 app runs without errors ( `npm run dev` )
- ☐ Can log in with test credentials
- ☐ Database operations work (create client, view assessments)
- ☐ All branding shows “Studio 2” (not “NCP Studio”)
- ☐ No references to `/home/ubuntu/ncp_studio` in code
- ☐ Original Studio is unaffected and still operational
- ☐ Can make changes in Studio 2 without affecting Studio

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## Success!

Studio 2 is now fully operational as an independent clone. You can:

- Modify formulas and calculations
- Add/remove questionnaire questions
- Test new features
- Experiment with schema mappings

All without any risk to the production Studio app!

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