

Supabase Migration Status

Overview

This document tracks the migration from Supabase to Abacus AI PostgreSQL + Prisma.

Completed Actions

1. Supabase Packages Removed

- `@supabase/auth-helpers-nextjs`
- `@supabase/auth-helpers-react`
- `@supabase/auth-ui-react`
- `@supabase/auth-ui-shared`
- `@supabase/supabase-js`

2. Created Stub Files for Compatibility

To prevent build failures, stub files have been created at:

- `/lib/supabase.ts` - Deprecated, returns mock data
- `/lib/supabase-demo.ts` - Deprecated, exports `createDemoSupabaseClient()` and `DEMO_USER_ID`
- `/src/lib/supabase.ts` - Deprecated
- `/src/utils/supabase.ts` - Deprecated
- `/utils/supabase.ts` - Deprecated
- `/utils/supabase-server.ts` - Deprecated
- `/node_modules/@supabase/*` - Stub modules to prevent webpack errors

All stub files return mock data and log deprecation warnings.

3. Created New Database Service

- `/lib/db-service.ts` - Comprehensive DatabaseService class using Prisma
- User operations (CRUD)
- Bookmark operations (CRUD, bulk create, search)
- Folder operations (CRUD, hierarchical)
- Settings operations (user settings, AI settings)
- Notification operations
- Task and Pomodoro operations
- Marketplace operations (listings, orders, reviews)

4. Prisma Schema is Complete

- All models defined in `/prisma/schema.prisma`
- Supports all app features:
- Authentication (Users, Accounts, Sessions)
- Bookmarks and Folders
- Settings (User Settings, AI Settings)
- Tasks and Pomodoro
- Notifications

- Marketplace (Listings, Orders, Reviews, Payouts)

5. Auth Callback Routes Updated

- `/app/auth/callback/route.ts` - Updated to use NextAuth
- `/src/app/auth/callback/route.ts` - Updated to use NextAuth

Remaining Work

Files Still Using Supabase (70+ files)

These files have Supabase imports but are using stub modules:

API Routes (45+ files)

- `/app/api/ai/auto-processing/route.ts`
- `/app/api/ai/bulk-uploader/route.ts`
- `/app/api/ai/link-finder/route.ts`
- `/app/api/ai/recommendations/route.ts`
- `/app/api/ai/voice/stt/route.ts`
- `/app/api/ai/voice/tts/route.ts`
- `/app/api/auth/change-password/route.ts`
- `/app/api/auth/delete-account/route.ts`
- `/app/api/auth/sessions/route.ts`
- `/app/api/bookmarks/*/route.ts` (multiple)
- `/app/api/category-folders/*/route.ts`
- `/app/api/comments/*/route.ts`
- `/app/api/create-checkout-session/route.ts`
- `/app/api/credits/route.ts`
- `/app/api/hierarchy/*/route.ts` (multiple)
- `/app/api/mentions/route.ts`
- `/app/api/migrate/route.ts`
- `/app/api/notifications/*/route.ts`
- `/app/api/playbooks/*/route.ts` (multiple)
- `/app/api/pomodoro/route.ts`
- `/app/api/setup-*/route.ts` (multiple)
- `/app/api/timeline/*/route.ts` (multiple)
- `/app/api/user-data/*/route.ts` (multiple)
- `/app/api/webhooks/stripe/route.ts`

Pages (10+ files)

- `/app/auth/reset-password/page.tsx`
- `/app/auth/update-password/page.tsx`
- `/app/components/PricingCard.tsx`
- `/app/dashboard/DashboardClient.tsx`
- `/app/dashboard/billing/page.tsx`
- `/app/dashboard/profile/page.tsx`
- `/app/settings/dna/*/page.tsx` (7 files)

Components (5+ files)

- `/components/Auth.tsx`
- `/components/auth/AuthForm.tsx`
- `/components/dashboard/Header.tsx`

Services & Libraries (10+ files)

- `/lib/api-helpers/storage-helpers.ts`
- `/lib/database/connection.ts`
- `/lib/database/read-replicas.ts`
- `/lib/database/secure-client.ts`
- `/src/hooks/useAnalytics.ts`
- `/src/services/analyticsService.ts`
- `/src/services/goalService.ts`

Migration Strategy

Phase 1: Core API Routes (Priority: HIGH)

Replace Supabase in:

1. Authentication routes (`/api/auth/*`)
2. Bookmark routes (`/api/bookmarks/*`)
3. User routes (settings, profile, etc.)

Phase 2: Feature Routes (Priority: MEDIUM)

Replace Supabase in:

1. AI processing routes (`/api/ai/*`)
2. Marketplace routes (`/api/*`)
3. Timeline, Pomodoro, Notifications

Phase 3: Client Components (Priority: MEDIUM)

Replace Supabase in:

1. Dashboard components
2. Settings pages
3. Profile pages

Phase 4: Utilities & Services (Priority: LOW)

Replace Supabase in:

1. Analytics service
2. Goal service
3. Storage helpers

How to Migrate a File

Step 1: Replace Import

```
// OLD:
import { supabase } from '@lib/supabase'
import { createClient } from '@supabase/supabase-js'

// NEW:
import { DatabaseService } from '@lib/db-service'
import { prisma } from '@lib/prisma'
```

Step 2: Replace Database Operations

```
// OLD Supabase:
const { data, error } = await supabase
  .from('bookmarks')
  .select('*')
  .eq('userId', userId)

// NEW Prisma:
const bookmarks = await DatabaseService.getBookmarks(userId)
// OR
const bookmarks = await prisma.bookmark.findMany({
  where: { userId }
})
```

Step 3: Replace Auth Operations

```
// OLD Supabase Auth:
const { data: { session } } = await supabase.auth.getSession()

// NEW NextAuth:
import { getServerSession } from 'next-auth'
import { authOptions } from '@app/api/auth/[...nextauth]/route'
const session = await getServerSession(authOptions)
```

Current Status

✓ Working

- App builds successfully (with TypeScript warnings)
- Core database schema is ready
- DatabaseService is available for use
- NextAuth authentication is functional

⚠ Partially Working

- All API routes using Supabase stubs (return mock data)
- Components using Supabase stubs (return mock data)

✗ Needs Migration

- 70+ files still using Supabase stubs
- Real database operations not yet migrated

- Legacy Supabase features need Prisma equivalent

Testing After Migration

After migrating a file, test:

1. API route returns real data from Prisma
2. No console warnings about deprecated Supabase
3. Database operations complete successfully
4. Error handling works correctly

Notes

- The app is currently **deployed and functional** using stub data
- **Prisma client must be generated** after schema changes: `yarn prisma generate`
- **Database must be migrated** after schema changes: `yarn prisma migrate dev`
- All new code should use `DatabaseService` or `prisma` directly
- Stub files will be removed once all migrations are complete

Resources

- [Prisma Docs](https://www.prisma.io/docs/) (https://www.prisma.io/docs/)
- [NextAuth Docs](https://next-auth.js.org/) (https://next-auth.js.org/)
- [DatabaseService API](/lib/db-service.ts) (/lib/db-service.ts)
- [Prisma Schema](/prisma/schema.prisma) (/prisma/schema.prisma)