

Migration Fix Guide

Issue: Failed migration 20251218162945_update_homes_to_active blocking deployments

Error: invalid input value for enum "HomeStatus": ""

Date: December 19, 2025

Problem Analysis

Root Cause

The migration attempts to update `AssistedLivingHome.status` to 'ACTIVE', but:

1. Some records have **empty string** "" (not NULL) as status
2. PostgreSQL enum types do NOT accept empty strings
3. Migration SQL only handles `DRAFT` and `NULL`, missing empty strings
4. Migration failed and is now marked as FAILED in `_prisma_migrations` table
5. Prisma refuses to apply new migrations until this is resolved

Current Migration SQL

```
UPDATE "AssistedLivingHome"
SET status = 'ACTIVE'
WHERE status = 'DRAFT' OR status IS NULL;
```

Why It Fails

- Database has records with `status = ''` (empty string)
- Empty string is NOT a valid enum value
- Migration needs to handle empty strings too

SOLUTION OPTIONS

OPTION A: Fix via Render Shell (Recommended)

Best for: Quick fix without code changes

Steps:

1. Open Render Shell:

- Go to Render Dashboard
- Select your service (carelinkai)
- Click "Shell" tab at the top
- Wait for shell to connect

2. Check migration status:

```
bash
```

```
npx prisma migrate status
```

Expected output:

Following migration have failed:
20251218162945_update_homes_to_active

1. Mark failed migration as rolled back:

```
bash
npx prisma migrate resolve --rolled-back 20251218162945_update_homes_to_active
```

Expected output:

Migration marked as rolled back

1. Fix the data manually (THE KEY STEP):

```
bash
# Connect to database
psql $DATABASE_URL -c "UPDATE \"AssistedLivingHome\" SET status = 'ACTIVE' WHERE status
= '' OR status IS NULL OR status = 'DRAFT';"
```

Expected output:

UPDATE 3
(or however many records were updated)

1. Deploy all pending migrations:

```
bash
npx prisma migrate deploy
```

Expected output:

Migrations applied successfully

1. Verify migration status:

```
bash
npx prisma migrate status
```

Expected output:

Database schema is up to date!

1. Restart the service:

- Go back to Render Dashboard
- Click “Manual Deploy” → “Deploy latest commit”
- OR just push new code to trigger auto-deploy

OPTION B: Create New Idempotent Migration

Best for: Clean solution with proper migration history

Steps:**1. Mark failed migration as rolled back** (same as Option A, step 3)**2. Create new migration locally:**

```
```bash
cd /home/ubuntu/carelinkai-project

Create migration directory
mkdir -p prisma/migrations/20251219000000_fix_home_status
```

```
Create migration SQL
cat > prisma/migrations/20251219000000_fix_home_status/migration.sql << 'EOF'
- Fix AssistedLivingHome status to handle empty strings
- This migration is idempotent and safe to run multiple times

UPDATE "AssistedLivingHome"
SET status = 'ACTIVE'
WHERE status = 'DRAFT'
OR status IS NULL
OR status = ''
OR status NOT IN ('ACTIVE', 'INACTIVE', 'PENDING', 'ARCHIVED');
EOF
```

```

1. Commit and push:

```
bash
git add prisma/migrations/20251219000000_fix_home_status/
git commit -m "fix: Add idempotent migration to fix home status enum issue"
git push origin main
```

2. Deploy via Render:

- Render will auto-deploy
- Pre-deploy hook will run:

1. Mark old migration as rolled back
2. Apply new migration
3. Success!

OPTION C: Delete Failed Migration

Best for: Nuclear option if nothing else works

⚠️ WARNING: Only use if Options A and B fail!

Steps:

1. Connect to production database (via Render Shell or local psql):

```
bash
psql $DATABASE_URL
```

2. Delete the failed migration record:

```
sql
DELETE FROM "_prisma_migrations"
WHERE migration_name = '20251218162945_update_homes_to_active';
```

3. Fix the data:

```
sql
UPDATE "AssistedLivingHome"
SET status = 'ACTIVE'
WHERE status = '' OR status IS NULL OR status = 'DRAFT';
```

4. Exit psql:

```
sql
```

```
\q
```

5. Deploy migrations:

```
bash
```

```
npx prisma migrate deploy
```

VERIFICATION CHECKLIST

After applying the fix, verify:

1. Migration Status

```
npx prisma migrate status
```

Expected:  Database schema is up to date!

2. Data Status

```
psql $DATABASE_URL -c "SELECT status, COUNT(*) FROM \"AssistedLivingHome\" GROUP BY status;"
```

Expected:

| status | count |
|--------|-------|
| ACTIVE | 5 |

(No empty strings, no NULLs, no DRAFT)

3. Deployment Works

```
# Trigger a new deployment
git commit --allow-empty -m "test: Verify deployment works"
git push origin main
```

Expected:  Build succeeds, pre-deploy succeeds, deployment completes

4. Service Health

```
curl https://carelinkai.onrender.com/api/health
```

Expected:

```
{"ok":true,"db":"ok","uptimeSec":10,"durationMs":2,"env":"production"}
```



TROUBLESHOOTING

Issue: “Migration not found”

Cause: Migration directory was deleted or renamed

Solution:

- Check `prisma/migrations/` directory
- If migration is missing, use Option C (delete from database)

Issue: “Cannot mark as rolled back”

Cause: Migration is not in FAILED state

Solution:

```
# Check current state
npx prisma migrate status

# If needed, manually update
psql $DATABASE_URL -c "UPDATE \"_prisma_migrations\" SET rolled_back_at = NOW() WHERE
migration_name = '20251218162945_update_homes_to_active';"
```

Issue: “Still seeing enum errors”

Cause: Not all empty strings were fixed

Solution:

```
# Find remaining empty strings
psql $DATABASE_URL -c "SELECT id, name, status FROM \"AssistedLivingHome\" WHERE
status = '';"
```



```
# Fix them
psql $DATABASE_URL -c "UPDATE \"AssistedLivingHome\" SET status = 'ACTIVE' WHERE
status = '';"
```

Issue: “New migrations still blocked”

Cause: `_prisma_migrations` table still shows failed

Solution:

```
# Check migration table
psql $DATABASE_URL -c "SELECT migration_name, finished_at, rolled_back_at, logs FROM
\"_prisma_migrations\" WHERE migration_name LIKE '%20251218162945%';"

# If still failed, delete it
psql $DATABASE_URL -c "DELETE FROM \"_prisma_migrations\" WHERE migration_name =
'20251218162945_update_homes_to_active';"
```



STEP-BY-STEP EXECUTION (Recommended Path)

Phase 1: Immediate Fix (5 minutes)

1. Open Render Shell
2. Run: `npx prisma migrate resolve --rolled-back 20251218162945_update_homes_to_active`

3. Run:

```
psql $DATABASE_URL -c "UPDATE \"AssistedLivingHome\" SET status = 'ACTIVE' WHERE status =
    '' OR status IS NULL OR status = 'DRAFT';"
```

4. Run: `npx prisma migrate deploy`

5. Verify: `npx prisma migrate status`

Phase 2: Fix OpenAI Issue (5 minutes)

1. Add `OPENAI_API_KEY` to Render environment variables

2. OR modify code to make OpenAI lazy-loaded (see `OPENAI_FIX_GUIDE.md`)

3. Commit and push changes

4. Wait for auto-deploy

Phase 3: Test Deployment (10 minutes)

1. Wait for deployment to complete

2. Run: `curl https://carelinkai.onrender.com/api/health`

3. Access: `https://carelinkai.onrender.com/operator/inquiries/pipeline`

4. Verify everything works

Phase 4: Comprehensive Testing (30 minutes)

1. Follow `TESTING_GUIDE.md`

2. Document findings

3. Mark Feature #4 as complete (or identify remaining issues)

Total time: ~50 minutes from start to finish



SUCCESS CRITERIA

The migration fix is successful when:

- [] `npx prisma migrate status` shows Database schema is up to date
 - [] No records in `AssistedLivingHome` have empty string or NULL status
 - [] New deployments complete successfully
 - [] Pre-deploy hook passes without errors
 - [] Service is running and accessible
 - [] Pipeline Dashboard loads without errors
-



AFTER THE FIX

Once migration is fixed:

1. **Update deployment documentation** with lessons learned
2. **Add validation** to prevent empty strings in future:

```
prisma
  model AssistedLivingHome {
    status HomeStatus @default(ACTIVE) // Add default!
  }
```

3. **Add database constraints** to enforce valid statuses
 4. **Test locally** before deploying to production
 5. **Create rollback plan** for future migrations
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Ready to fix? Let's do this! 💪