

# Supabase Migration Instructions - Migration 013

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## Important Context

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The `customer_stats` object in your database is currently a **TABLE**, not a **VIEW**. This migration will:

1. Drop the existing TABLE
2. Create a new VIEW with the same name
3. Add credit-related columns to the stats

## Step-by-Step Instructions

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### Option 1: Copy & Paste (Recommended for Supabase)

1. **Open the SQL file**
  - Open `/database/SUPABASE_MIGRATION_013.sql`
  - Copy the entire contents (Ctrl+A, Ctrl+C)
2. **Navigate to Supabase Dashboard**
  - Go to your Supabase project dashboard
  - Click on **SQL Editor** in the left sidebar
3. **Create a new query**
  - Click **"New Query"** button
  - Paste the copied SQL
4. **Run the migration**
  - Click **"Run"** button (or press Ctrl+Enter)
  - Wait for the success message
5. **Verify the migration**
  - Scroll down in the same SQL editor
  - Run the verification queries (included in the file)
  - Confirm that:
    - `customer_stats` is now a VIEW (not a TABLE)
    - New columns exist: `credit_balance`, `total_credits_purchased`, `total_credits_used`

### Option 2: Using Node.js Script

```
cd /home/ubuntu/roblox-tool
node scripts/run-migration-013.js
```

**Note:** Make sure your `.env` file has the correct database credentials.

### Option 3: Using psql Command Line

```
psql postgresql://postgres:[PASSWORD]@[HOST]:[PORT]/postgres \
-f database/migrations/013_add_credits_to_customer_stats.sql
```

## ✓ What Changed

### Before (TABLE)

```
customer_stats TABLE with columns:
- id
- name
- is_active
- created_at
- contact_email
- max_users
- logo_url
- total_users
- active_users
- total_searches
- last_search_at
- last_login_at
```

### After (VIEW)

```
customer_stats VIEW with columns:
- id
- name
- is_active
- created_at
- contact_email
- max_users
- logo_url
- total_users
- active_users
- total_searches
- last_search_at
- last_login_at
- credit_balance 🚀 NEW
- total_credits_purchased 🚀 NEW
- total_credits_used 🚀 NEW
```

## 🔍 Verification Queries

After running the migration, verify it worked:

```
-- Check that it's now a VIEW
SELECT table_type
FROM information_schema.tables
WHERE table_name = 'customer_stats';
-- Expected result: 'VIEW'

-- Test the new credit columns
SELECT
    name,
    credit_balance,
    total_credits_purchased,
    total_credits_used
FROM customer_stats;
```

## Troubleshooting

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### Error: “customer\_stats is not a view”

✓ **Solution:** This is expected! The migration handles this by using `DROP TABLE` instead of `DROP VIEW`.

### Error: “permission denied”

✗ **Problem:** You need admin/owner permissions in Supabase

✓ **Solution:** Make sure you’re logged in as the project owner

### Error: “customer\_credits table does not exist”

✗ **Problem:** The credit system tables haven’t been created yet

✓ **Solution:** Run the earlier migrations first:

```
node scripts/run-migration-011.js # Creates customer_credits table
node scripts/run-migration-012.js # Creates credit_transactions table
```

### Warning: “DROP TABLE will affect X dependent objects”

✓ **Expected:** The `CASCADE` option will handle this safely



## Expected Impact

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- **Downtime:** None (views are created instantly)
- **Data Loss:** None (just restructuring, not deleting customer data)
- **Performance:** Improved (VIEWS are computed on-demand)
- **Dependencies:** Any queries using `customer_stats` will continue to work



## Rollback (If Needed)

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If you need to rollback:

```
-- Drop the VIEW
DROP VIEW IF EXISTS customer_stats;

-- Recreate the original TABLE (without credit columns)
CREATE TABLE customer_stats AS
SELECT
  c.id,
  c.name,
  c.is_active,
  c.created_at,
  c.contact_email,
  c.max_users,
  c.logo_url,
  COUNT(DISTINCT u.id) as total_users,
  COUNT(DISTINCT CASE WHEN u.is_active THEN u.id END) as active_users,
  COUNT(sh.id) as total_searches,
  MAX(sh.searched_at) as last_search_at,
  MAX(u.last_login) as last_login_at
FROM customers c
LEFT JOIN users u ON c.id = u.customer_id
LEFT JOIN search_history sh ON c.id = sh.customer_id
GROUP BY c.id, c.name, c.is_active, c.created_at, c.contact_email, c.max_users, c.logo_url;
```

## Support

If you encounter issues:

1. Check the Supabase logs for detailed error messages
2. Verify all previous migrations have been run
3. Ensure the `customer_credits` table exists
4. Confirm you have admin permissions

**Last Updated:** December 1, 2025

**Migration Version:** 013

**Status:** Ready for Production 