LMS SQL Server Configuration Guide

This guide explains how to connect the LMS application to your new SQL Server instance.

# ✅ Connection String Format:

Use this inside your App.config or LMS.exe.config:

<connectionStrings>  
 <add name="LMSConnectionString"  
 connectionString="Data Source=DESKTOP-B4PQ18\SQLEXPRESS01;Initial Catalog=LMS;User ID=lms\_user;Password=Lms@2024Secure;TrustServerCertificate=True"  
 providerName="System.Data.SqlClient" />  
</connectionStrings>

# 🛠 SQL Server Setup Steps:

1. Open SQL Server Management Studio (SSMS).

2. Connect to: DESKTOP-B4PQ18\SQLEXPRESS01

3. Run the following SQL script:

-- Step 1: Create login for LMS app  
CREATE LOGIN lms\_user WITH PASSWORD = 'Lms@2024Secure';  
  
-- Step 2: Use LMS database  
USE LMS;  
  
-- Step 3: Create user and assign permissions  
CREATE USER lms\_user FOR LOGIN lms\_user;  
ALTER ROLE db\_owner ADD MEMBER lms\_user;

# 📁 LMS Database Requirements:

Ensure the LMS database includes the following:

- Tables: Admin, Accession, Transactions, LibraryLogEntry, etc.

- Views: vw\_OPACBooks (if used)

- Seed data (like an admin account)

# 📌 Notes:

- TrustServerCertificate=True avoids SSL/TLS certificate warnings.

- If the server name changes, you must also update Data Source= accordingly.

- After modifying LMS.exe.config, restart the application.

✅ Once all steps are done, the LMS application should connect and run properly on this server.