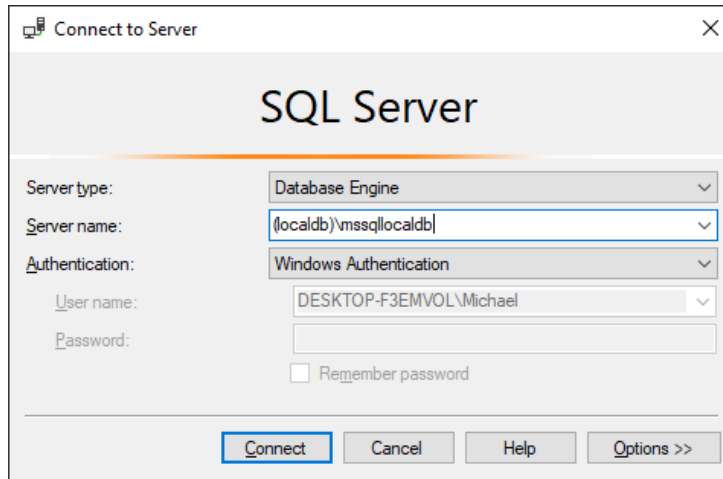


## Documentation – Connecting to back-end database

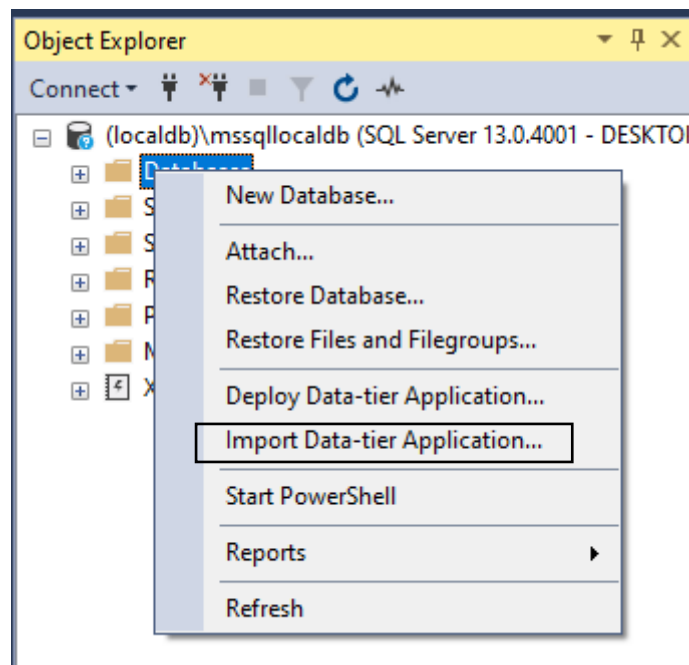
### Step 1

Open **Microsoft SQL Server Management Studio**. Connect to SQL Server **(localdb)\mssqllocaldb** as can be seen in the following screenshot.



### Step 2

In the **Object Explorer** tab, right-click on Databases and select **Import Data-Tier Application**.



### Step 3

Click next until you find the **Import Settings** tab. Select **import from local disk** and **Browse** for the **MyPal.bacpac**. Then click **Next**.

The screenshot shows the 'Import Data-tier Application' window with the 'Import Settings' tab selected. The left sidebar contains links for 'Introduction', 'Import Settings' (highlighted), 'Database Settings', 'Summary', and 'Results'. The main area is titled 'Specify the BACPAC to import.' and includes instructions: 'This operation will create a database from a BACPAC file. To continue, specify the location of the BACPAC. Optionally, specify settings for the new database. Click Next to continue.' There are two radio buttons: 'Import from local disk' (selected) and 'Import from Windows Azure'. Under 'Import from local disk', there is a text box containing 'C:\Users\Isaac\Documents\GitHub\Campus-Guide\Resources\MyPal.bacpac' and a 'Browse...' button. Under 'Import from Windows Azure', there are fields for 'Storage account:' (with a 'Connect...' button), 'Container:' (a dropdown menu), 'File name:' (a dropdown menu with a 'Browse...' button), and 'Temporary file name:' (a text box containing 'C:\Users\Isaac\AppData\Local\Temp\temp\_bacpac-20220504184506.bacpac' with a 'Browse...' button).

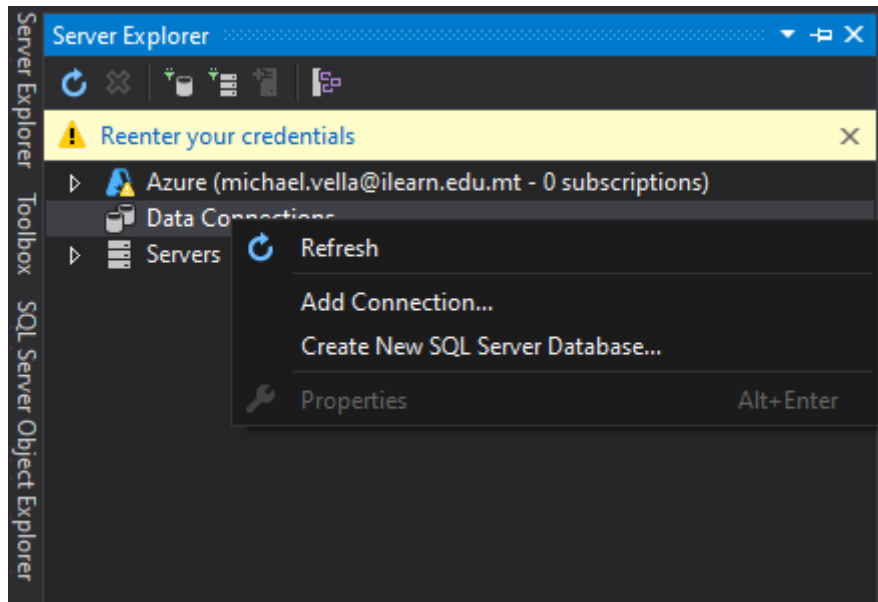
### Step 4

Enter **MyPal** as the database name and click **Next** again. Click **Finish**. These steps will create import the database created by the previous year under the database name **MyPal**.

The screenshot shows the 'Import Data-tier Application' window with the 'Database Settings' tab selected. The left sidebar contains links for 'Introduction', 'Import Settings', 'Database Settings' (highlighted), 'Summary', and 'Results'. The main area is titled 'Specify settings for the new database.' and includes instructions: 'This operation will create a database from a BACPAC file. To continue, specify the settings for the new database and click Next.' There is a text box containing 'DESKTOP-F3EMVOL\LOCALDB#41D22701 (DESKTOP-F3EMVOL\Michael)' and a 'Connect...' button. Below this is a 'New database name:' field containing 'BuddyDB'. Under the 'SQL Server Settings' section, there are two rows: 'Data file path:' and 'Log file path:', each with a 'Browse...' button and a text box containing 'C:\Users\Michael\AppData\Local\Microsoft\Microsoft SQL Server Local I'.

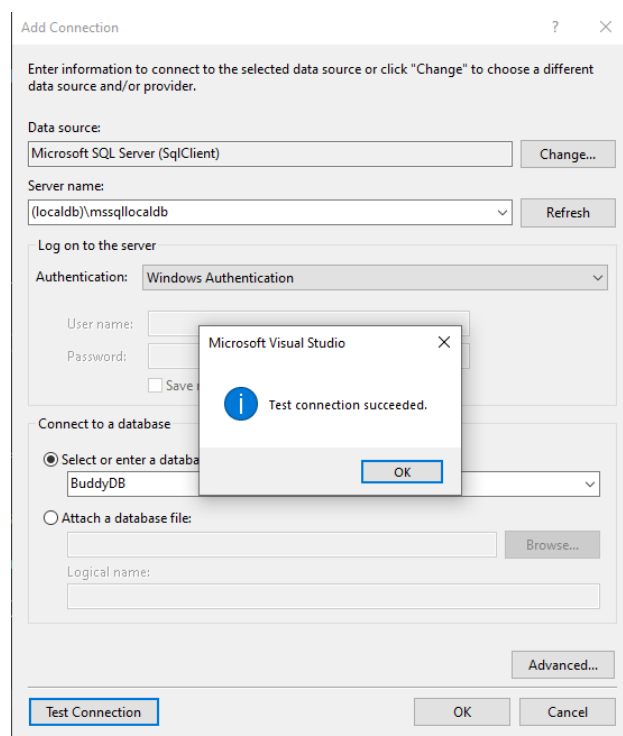
## Step 5

After creating the database, open **Visual Studio** and go to the Server Explorer Tab (View -> Server Explorer) and right click on Data Connections and click on Add Connection.



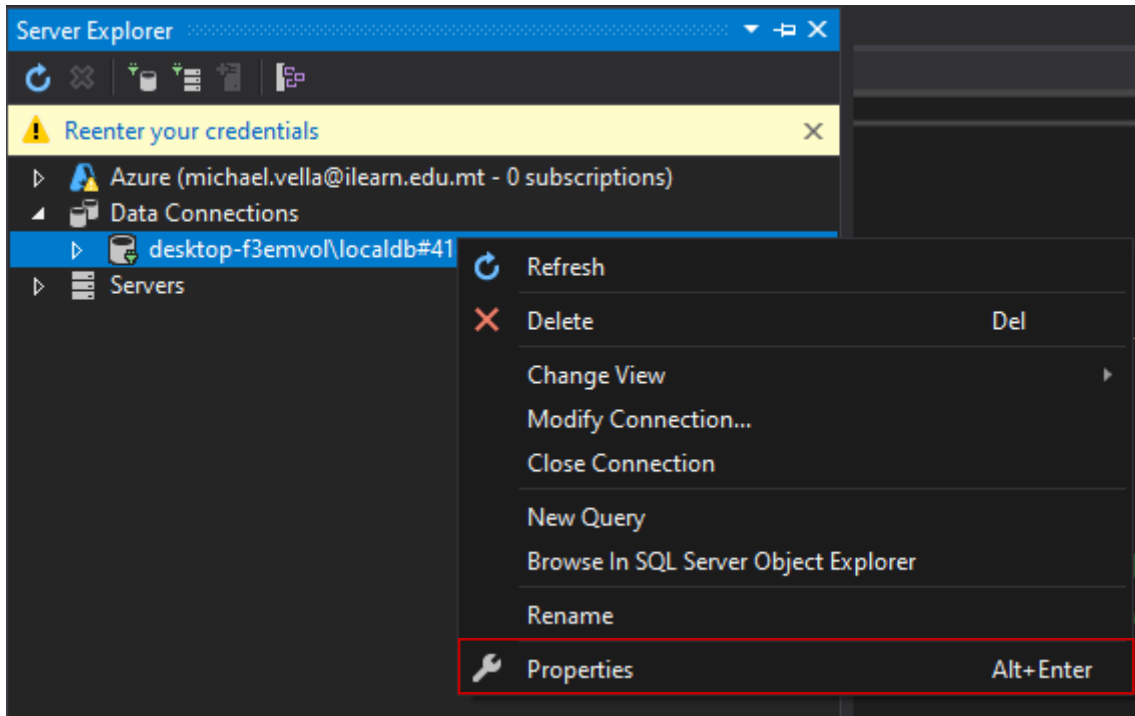
## Step 6

In the **Add Connection** tab, enter **(localdb)\mssqllocaldb** as the **Server Name** and **MyPal** as the **database name**. Click on the **Test Connection** button. A pop-up saying **Test connection succeeded** should be displayed. Then, click on **OK**.

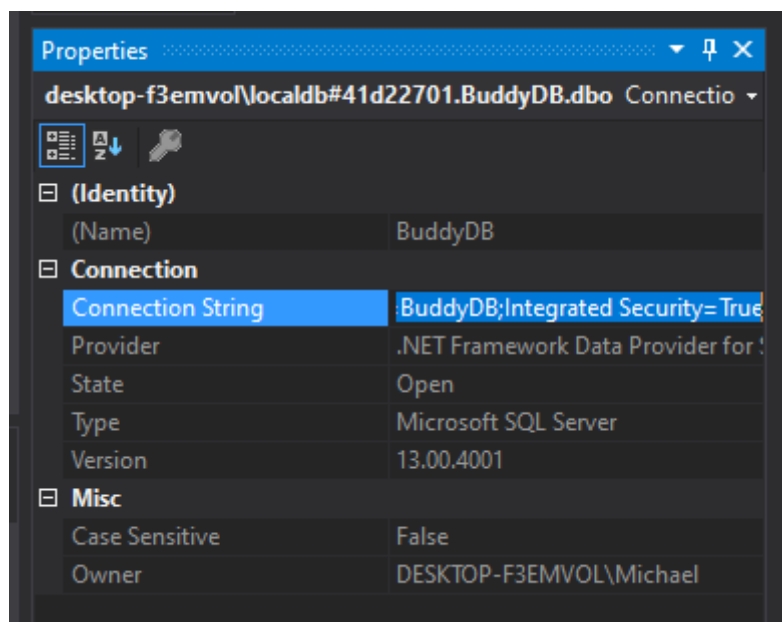


## Step 7

The connection to the database on **Microsoft SQL Server** is now created, however, we still have to specify the connection string in the **MyPal** project for it to work. First, let's get the connection string for the data connection created. To do so, right click on the newly created data connection and select **Properties**.



The **Properties** tab should have been opened. Find the **Connection String** value and copy it.



## Step 8

Now let's make use of the data connection that we have created in our **MyPal** project. To do so, open the **MyPal** project in **Visual Studio** and go to the **appsettings.json** file.

There should already be a connection string specified (used by previous year project).

**Comment out** or **delete** this connection string and **paste** your copied collection string just like the following screenshot.

```
{
  "Logging": {
    "LogLevel": {
      "Default": "Information",
      "Microsoft": "Warning",
      "Microsoft.Hosting.Lifetime": "Information"
    }
  },
  "AllowedHosts": "*",
  /*
  "ConnectionStrings": {
    "BuddyAPIContext": "Server=tcp:buddygpt.database.windows.net,1433;Initial Catalog=BuddyDB;Persist Security Info=False;User ID=adminbuddy;Password=Admin123;MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;"
  }
  */
  "ConnectionStrings": {
    "BuddyAPIContext": "Data Source=(localdb)\\mssqllocaldb;Initial Catalog=BuddyDB;Integrated Security=True"
  }
}
```

## Step 9

Connection to the database has been created. Enjoy!