

Part 1: Install PostgreSQL locally

1. Go to <https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>
2. Download the installer for PostgreSQL 11 for your operating system.
3. Run the installer.
 - a. Allow PostgreSQL to make change to your computer by entering the user name and password
 - b. You need to set a password for the superuser (default: postgres) during the installation.
 - c. For locale option, choose “en_US.UTF-8”.
 - d. No need to allow Stack Builder to install additional software at the end of the installation

Part 2: Install DataGrip

1. Go to <https://www.jetbrains.com/student/> and apply for a free student account.
2. Go to <https://www.jetbrains.com/datagrip/download/> and download the installer for your OS.
3. Run the installer.
4. Run the DataGrip program.
 - a. Enter your JetBrains account email and password to activate the product.
 - b. Select PostgreSQL as the default SQL dialect

Part 3: Connect to the local PostgreSQL server

1. Run the “pgAdmin 4” program to start the local PostgreSQL server.
 - a. You need to set a master password for the program
 - b. The server is running if you see 1 active server session in the dashboard
2. In DataGrip, follow the below instructions to connect to the server.
 - a. Navigate to **File | Data Sources**.
 - b. In the **Data Sources and Drivers** dialog, click the **Add** icon (+) and select **PostgreSQL**.
 - c. At the bottom of the data source settings area, click the **Download missing driver files** link.
 - d. In the **General** tab, specify connection details:
 - i. **Host** is “localhost”
 - ii. **Port** is “5432”
 - iii. **User** is the PostgreSQL superuser (default: postgres)
 - iv. **Password** is the one that you set in Part 1 Step 3.b
 - v. **Database** is “postgres” by default
 - e. To ensure that the connection to the data source is successful, click **Test Connection**.
 - f. The connection is successful if you see a green check in the connection test.

Part 4: Connect to the remote Oracle server

1. Make sure you are on campus or using a VPN connection.
 - a. Instructions for VPN setup can be found at: <https://tech.cs.pitt.edu/faqs/view/3>
2. In DataGrip, follow the below instructions to connect to the remote Oracle server.
 - a. Navigate to **File | Data Sources**.
 - b. In the **Data Sources and Drivers** dialog, click the **Add** icon (+) and select **Oracle**.
 - c. At the bottom of the data source settings area, click the **Download missing driver files** link.
 - d. In the **General** tab, enter the settings as follow:
 - i. **Host** is “class3.cs.pitt.edu”
 - ii. **Port** is “1521”
 - iii. **SID** is “dbclass”
 - iv. **User** is your PittID
 - v. **Password** is your PeopleSoft number
 - e. To ensure that the connection to the data source is successful, click **Test Connection**.
 - f. The connection is successful if you see a green check in the connection test.