

Connecting IBM App Connect to PostgreSQL

- Retrieve the Data from the PostgreSQL By using the IBM APP Connect.
- Install the PostgreSQL in your local system. Download the PostgreSQL software From below mentioned link.

<https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>

- When the downloading is complete, double click the downloaded file and start the installation.




- We can specify the location of PostgreSQL, I will go with the default choice:

Installation Directory



Please specify the directory where PostgreSQL will be installed.

Installation Directory 

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- To use PostgreSQL, you will need to install the PostgreSQL Server. we will also use the pgAdmin 4 component, and the Command Line Tools:

Select Components



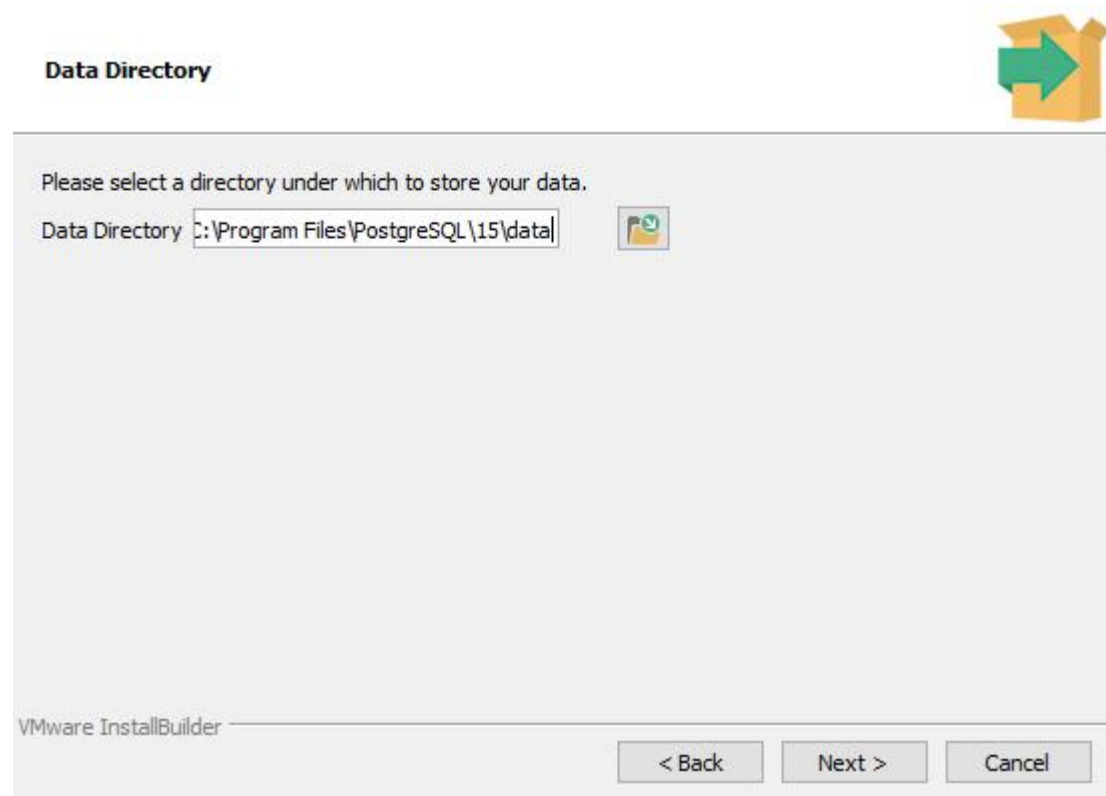
Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.

<input checked="" type="checkbox"/> PostgreSQL Server	PostgreSQL database server
<input checked="" type="checkbox"/> pgAdmin 4	
<input type="checkbox"/> Stack Builder	
<input checked="" type="checkbox"/> Command Line Tools	

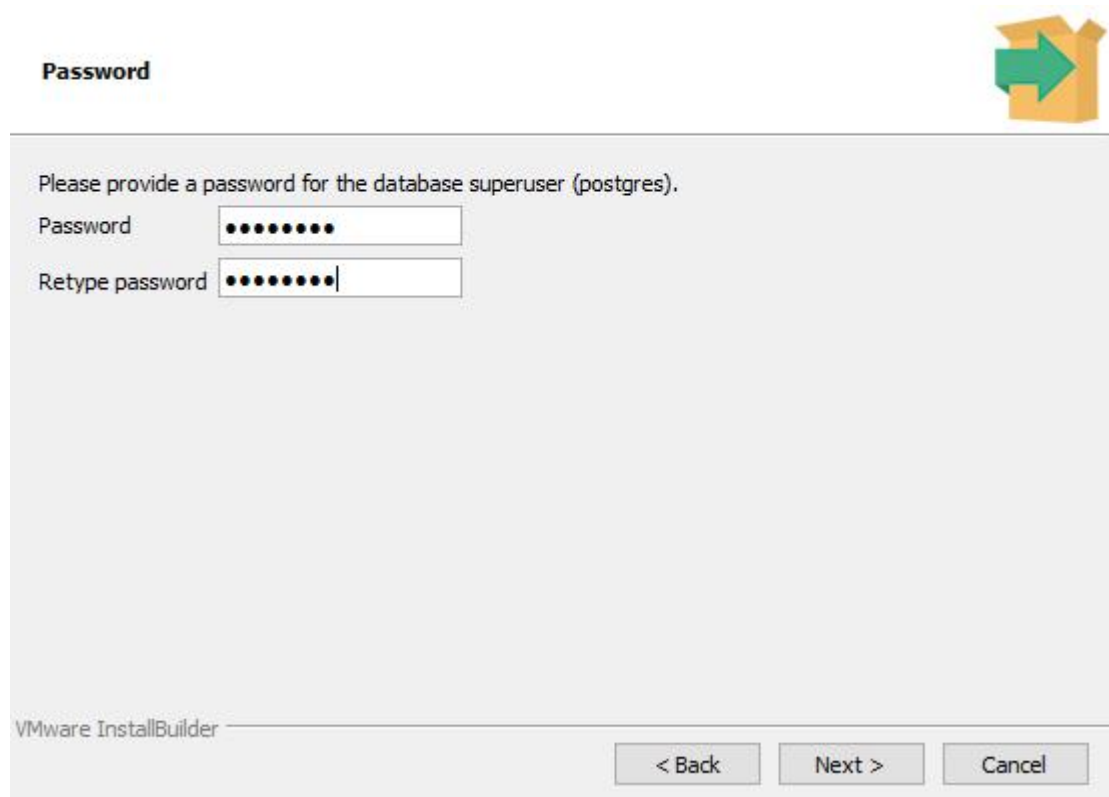
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- You can also choose where to store the database data, I will go with the default choice:



- We will have to select a password to get access to the database.



- We can set the port the server should listen on, I will go with the default choice:

Port



Please select the port number the server should listen on.

Port

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Cancel

- Select the geographically location of the database server:

Advanced Options



Select the locale to be used by the new database cluster.

Locale

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Cancel

- If everything looks OK, click 'Next' to continue:

Pre Installation Summary



The following settings will be used for the installation::

Installation Directory: C:\Program Files\PostgreSQL\15
Server Installation Directory: C:\Program Files\PostgreSQL\15
Data Directory: C:\Program Files\PostgreSQL\15\data
Database Port: 5432
Database Superuser: postgres
Operating System Account: NT AUTHORITY\NetworkService
Database Service: postgresql-x64-15
Command Line Tools Installation Directory: C:\Program Files\PostgreSQL\15
pgAdmin4 Installation Directory: C:\Program Files\PostgreSQL\15\pgAdmin 4
Installation Log: C:\Users\Ståle Refsnes\AppData\Local\Temp\install-postgresql.log

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- Click 'Next' to start the installation:

Ready to Install

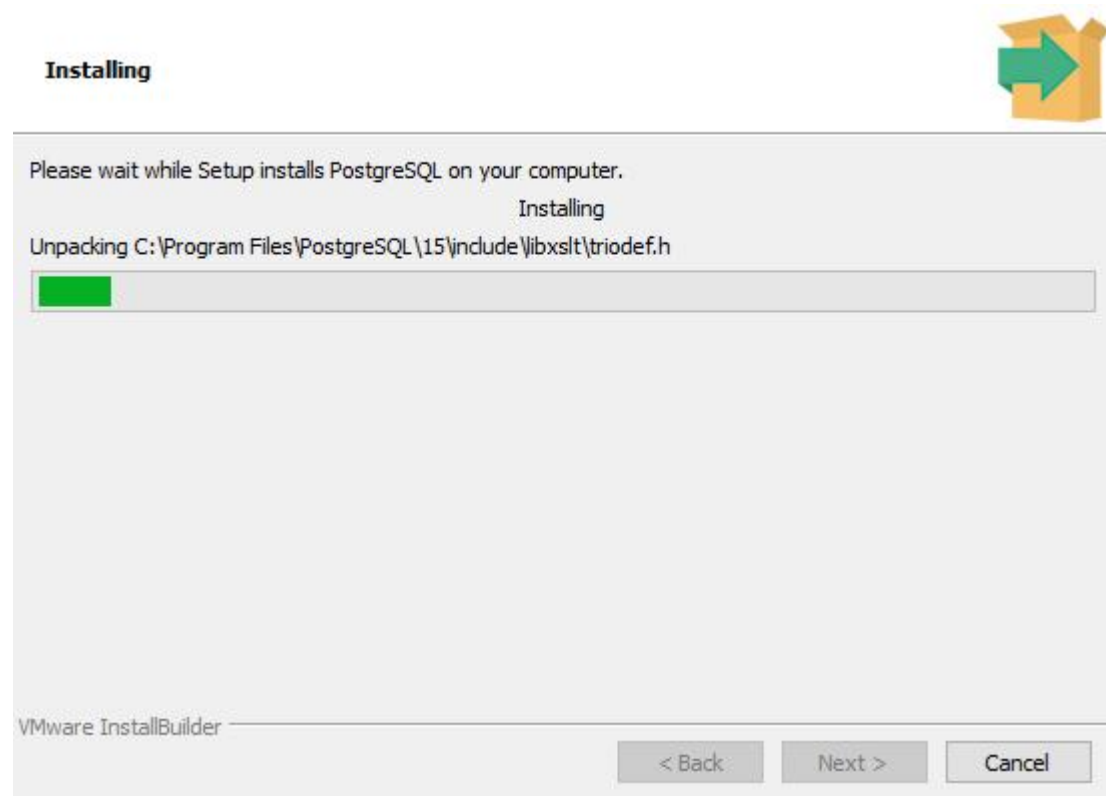


Setup is now ready to begin installing PostgreSQL on your computer.

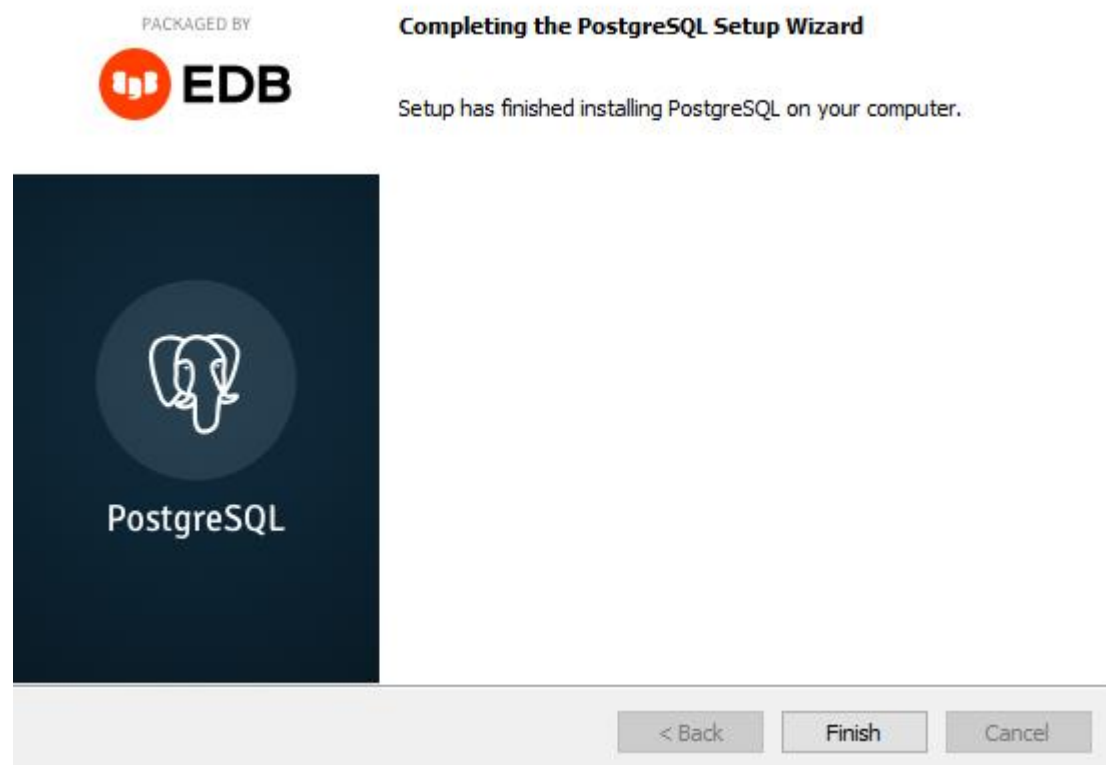
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- This can take a while, please wait.



- Now we have installed PostgreSQL on your computer.



- After Installing successfully we need create the DSN for connecting the database in ACE.
- Go to the ODBC-64 Bit create your own DSN with the postgresSQL Driver
- And Run the commands for the integration node to set the datasource name.

- After all to be done to restart the integration node.
- Create the RestApplication and write code inside compute node in APP connect enterprise.

```
CREATE PROCEDURE CopyEntireMessage() BEGIN
  Declare query character 'select * from "Student"';
  SET OutputRoot.XMLNSC.Student.Details = PASSTHRU(query);
  IF SQLCODE = '0' THEN

    SET OutputRoot.XMLNSC.Student.Details = PASSTHRU(query);

  ELSE
    SET OutputRoot.XMLNSC.Student.Details = PASSTHRU(query);
  END IF;
```

- After Deploying your application into the integration server take the endpoint URL test the in postman.
- See the results in postman we are getting the 200 .

