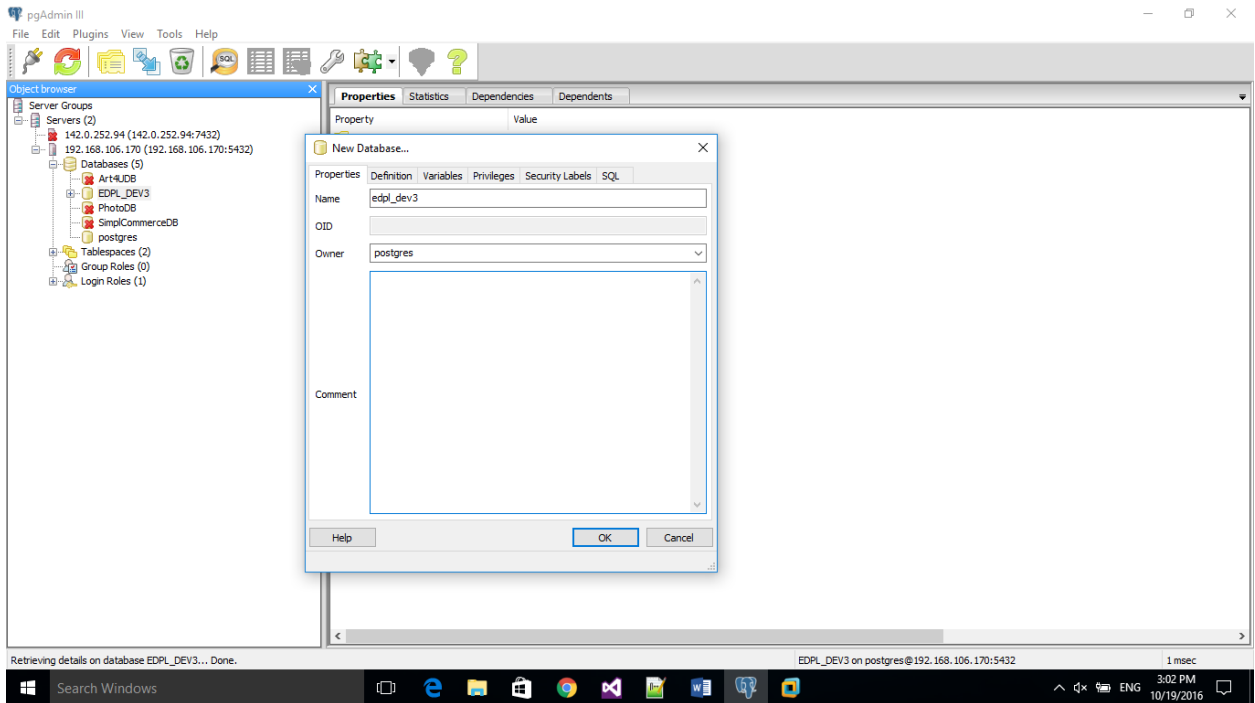


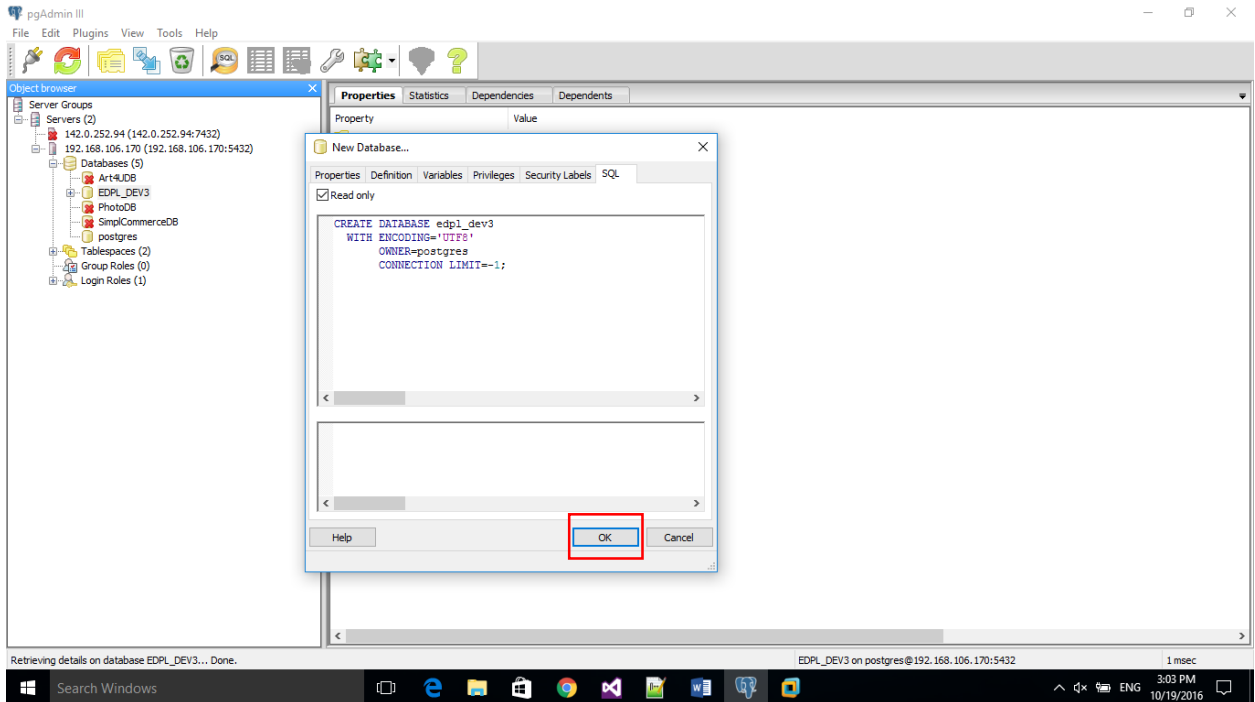
A. Enterprise Data Pipeline (EDPL) Metadata Configuration

1. Create a new database to store the metadata for EDPL in **PostgreSQL** using **pgAdmin** (You can also choose to store the metadata in other SQL database, e.g. MySQL)

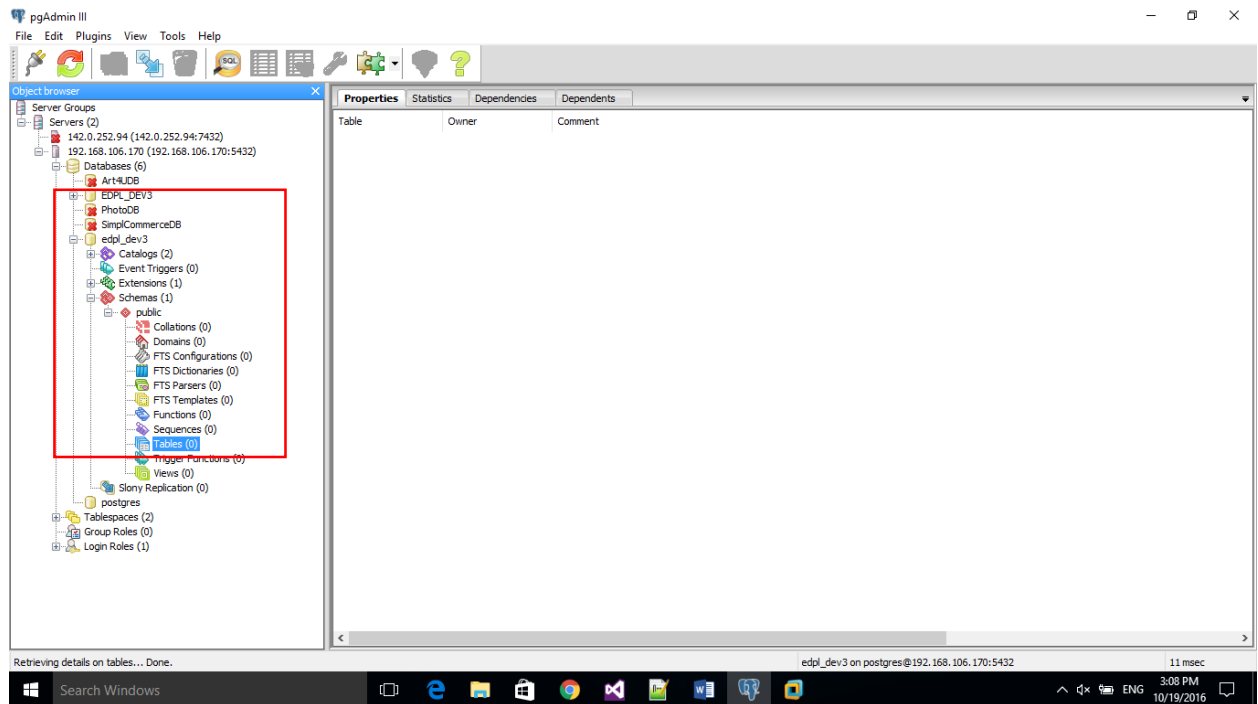
e.g. edpl_dev3



2. Review the SQL script and the click the “OK” button as shown below



3. Check and verify the new database “**edpl_dev3**” has been created with no Tables as shown below



4. Open the **PostgreSQL** server connection for database “**edpl_dev3**” and noted down the Hostname, Port, Username, Password and Default Schema for the connection

e.g.

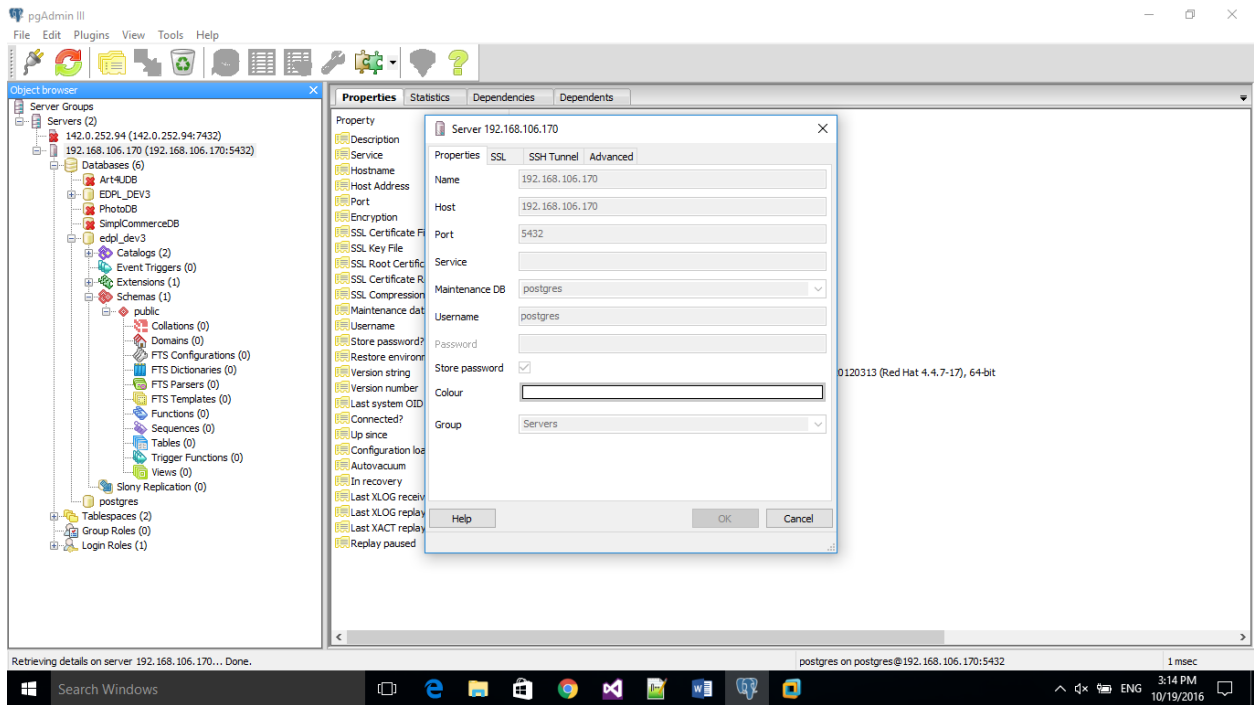
Hostname: 192.168.106.170

Port: 5432

Username: postgres

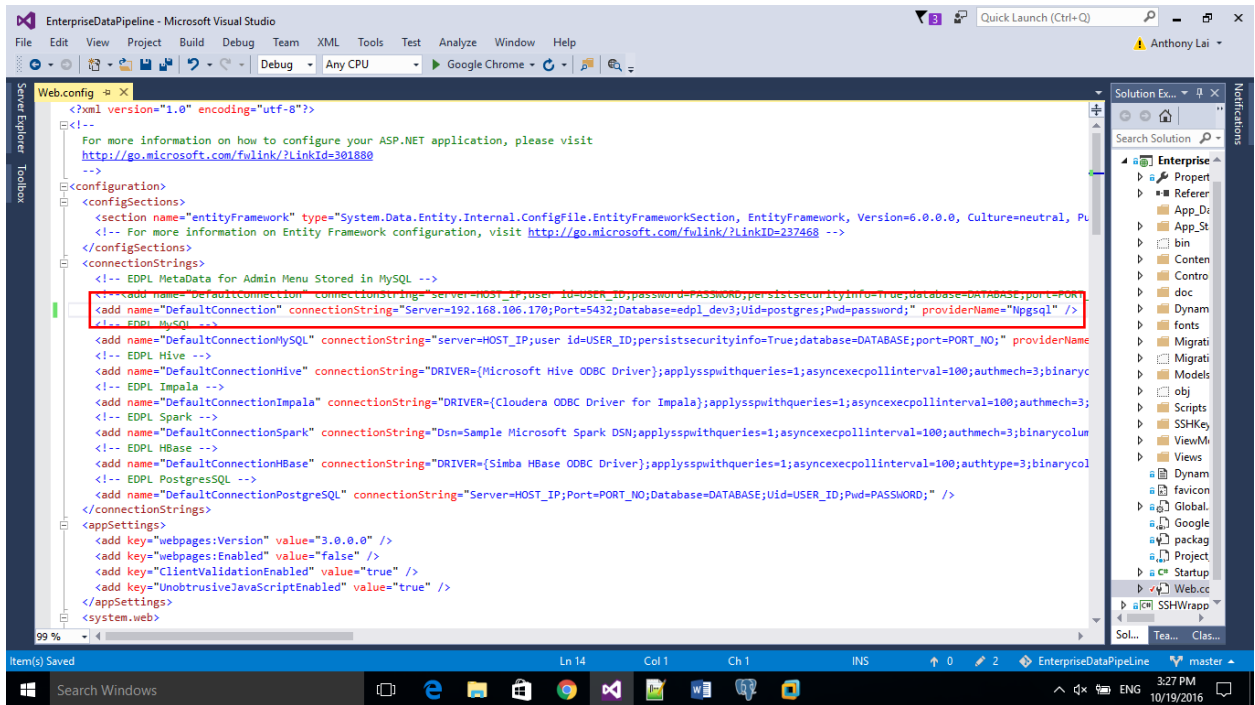
Password: PASSWORD (your own password)

Database: edpl_dev3

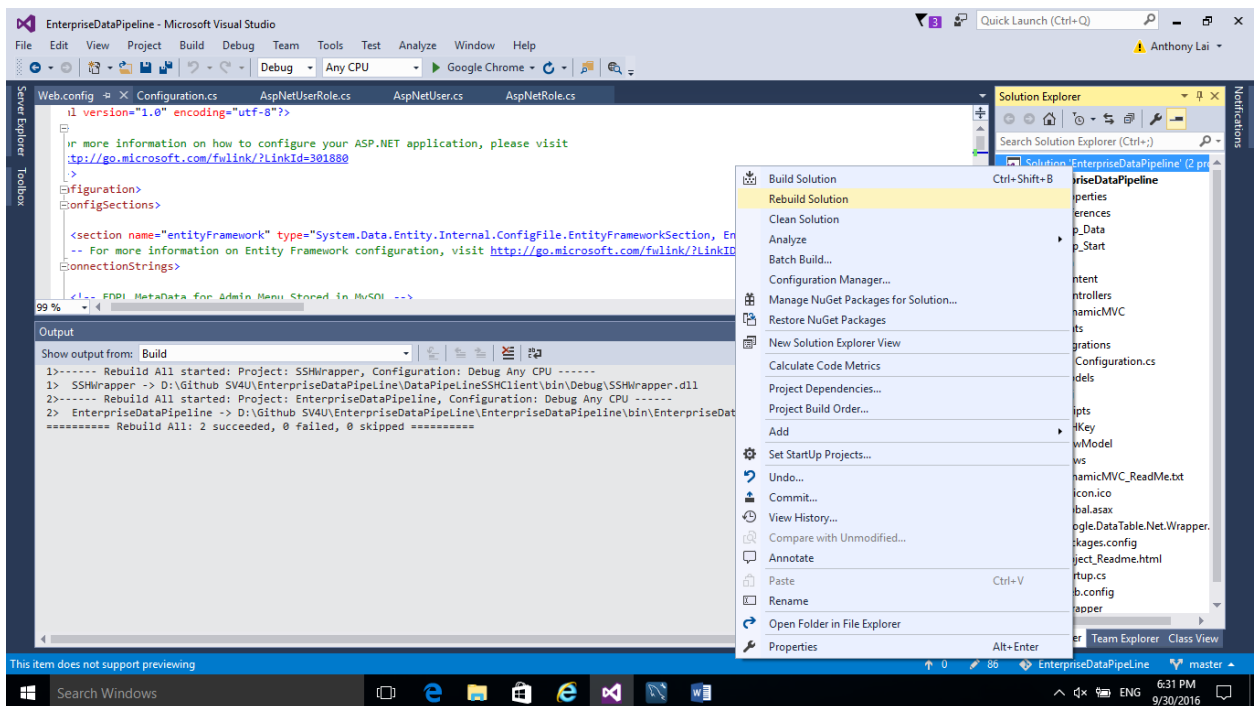


- Open the “**web.config**” file for the **Enterprise Data Pipeline** solution in Visual Studio 2015. Use the information you noted down in Step 4 and Input the corresponding information to the **DefaultConnection** as shown below.

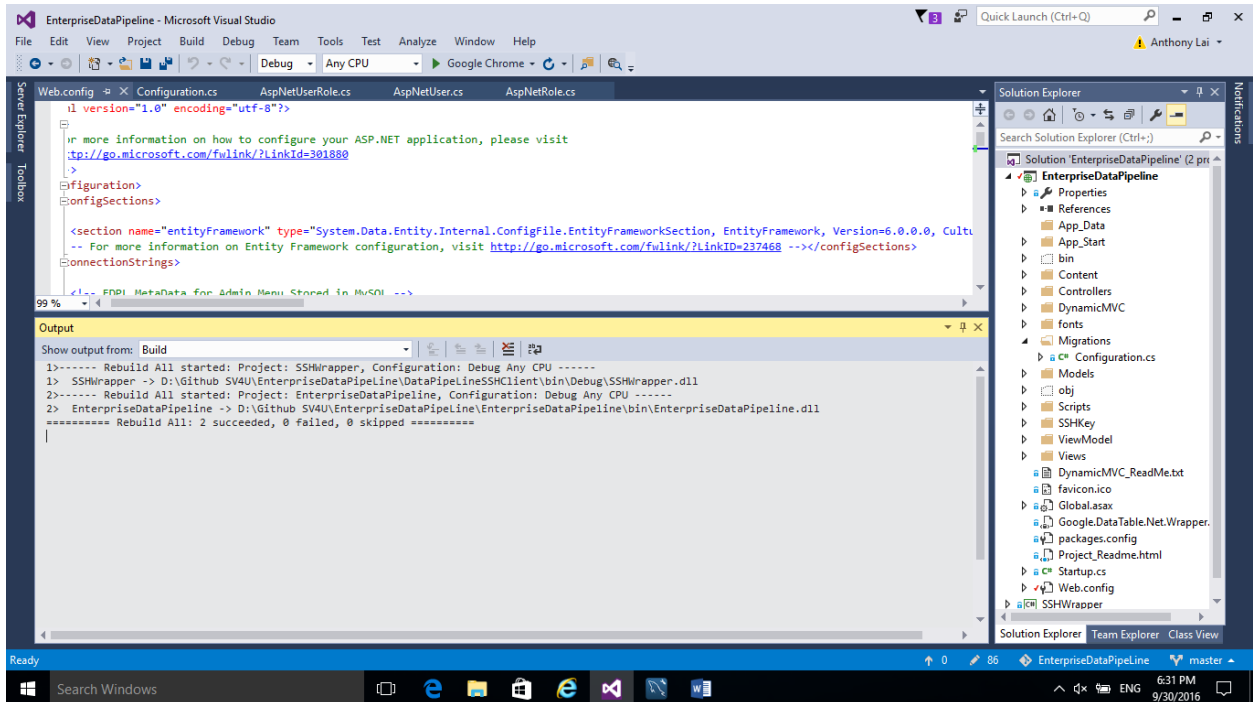
server = 192.168.106.170 (Hostname in Step 4)
user id = postgres (Username in Step 4)
password = PASSWORD (Password in Step 4)
database = edpl_dev3 (Default Schema in Step 4)
port = 5432 (Port in Step 4)



6. In Visual Studio 2015 Solution Explorer, right click the Solution **EnterpriseDataPipeline** and click **"Rebuild Solution"** to rebuild the entire solution as shown below.

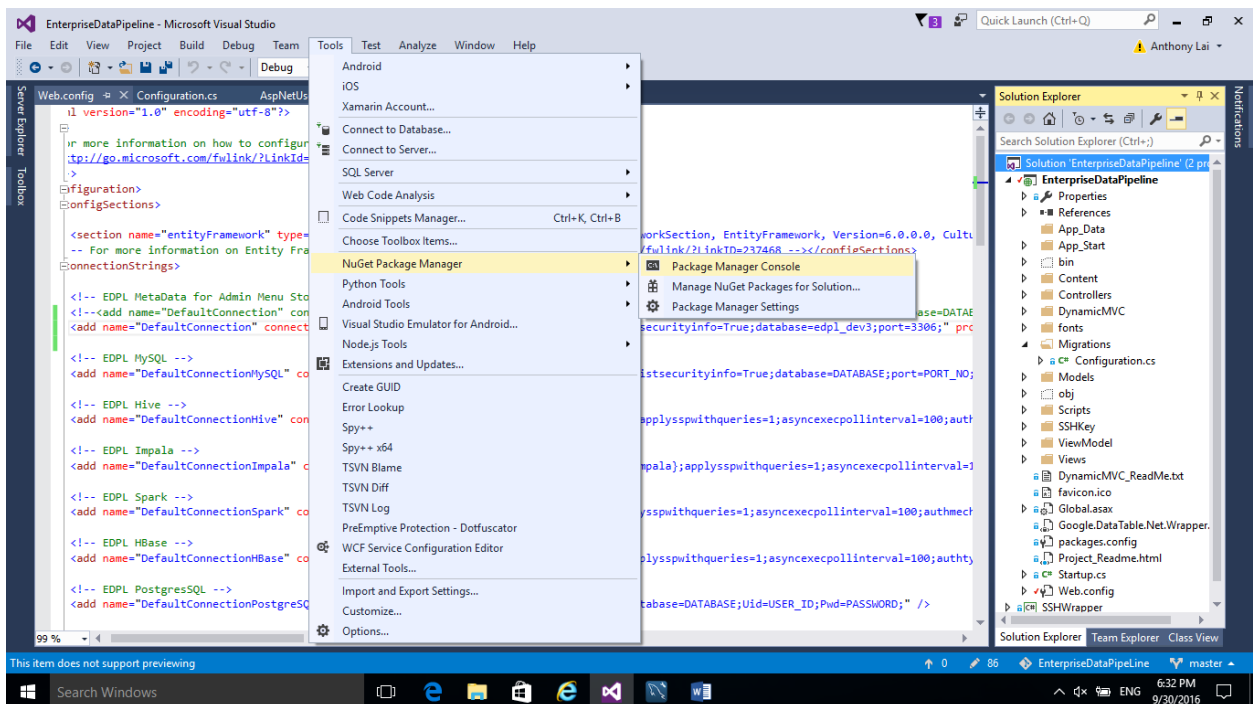


7. Make sure you see no error when rebuild the solution. If you see error, resolve the error first before go to next step.

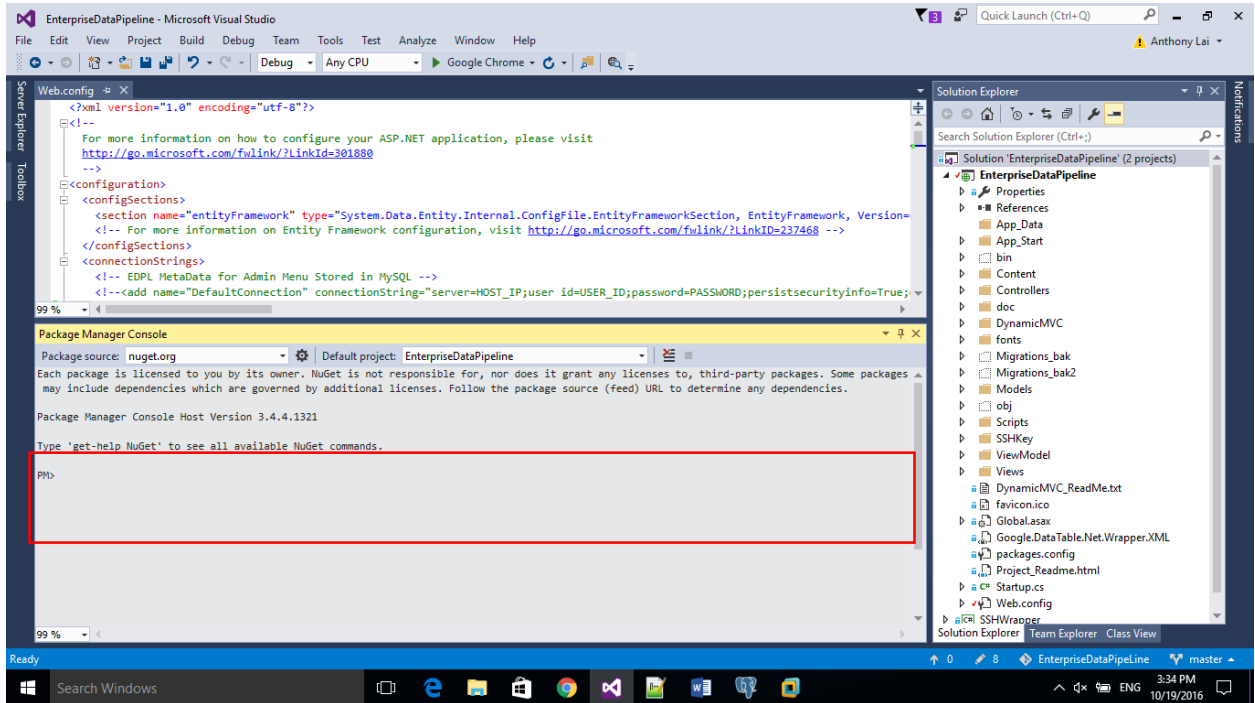


8. Select **Tools -> NuGet Package Manager -> Package Manager Console** as shown below.
(If you don't see NuGet Package Manager, you need to install it. You can check the link below for installation

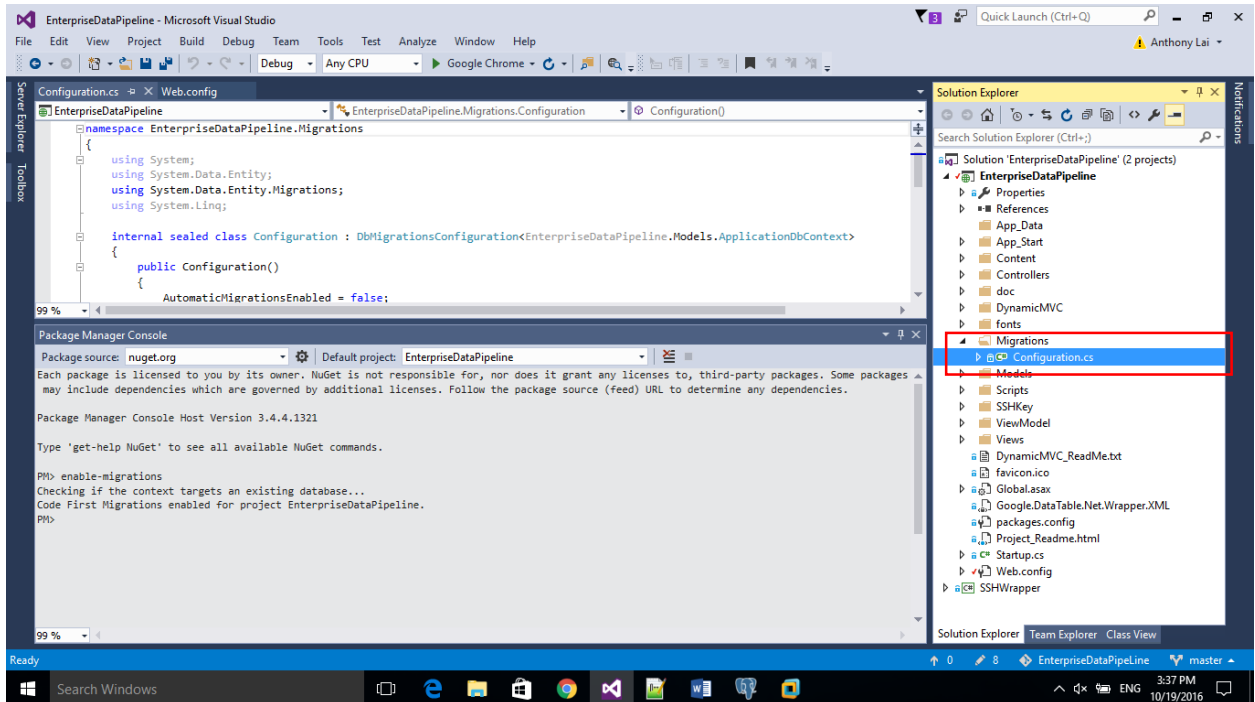
<https://visualstudiogallery.msdn.microsoft.com/5d345edc-2e2d-4a9c-b73b-d53956dc458d>)



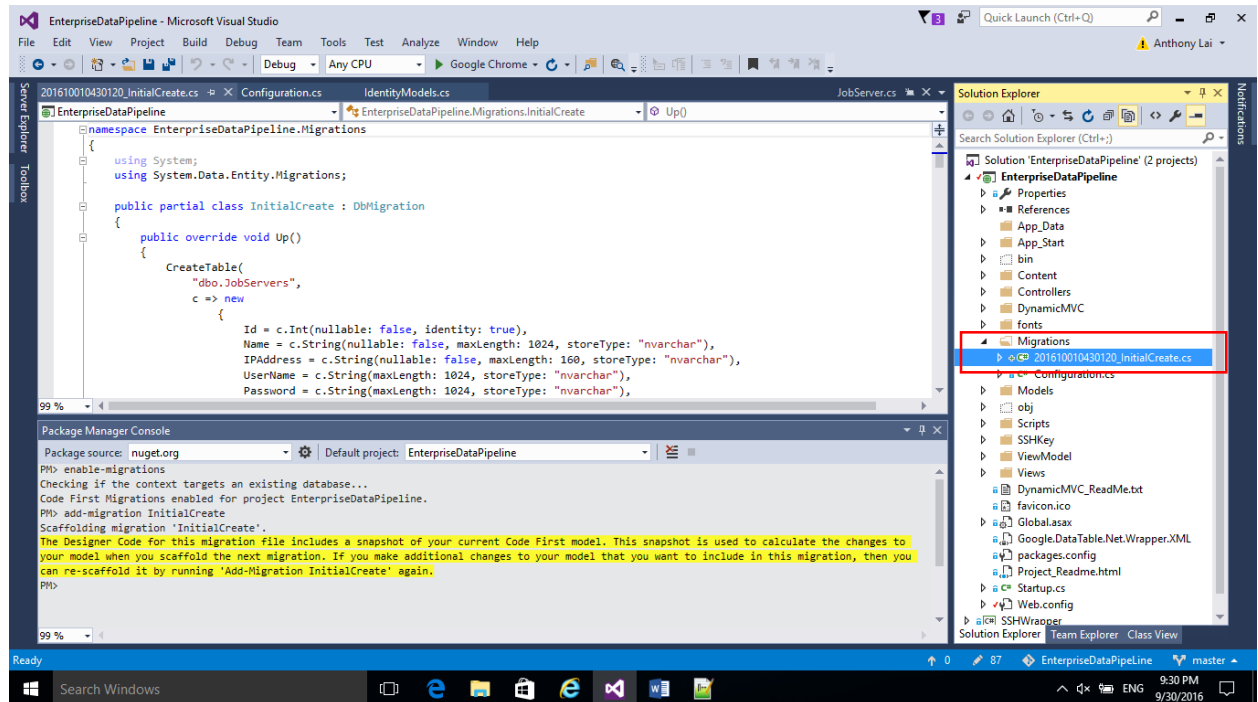
9. After you run **Package Manage Console**, you will see the command console as shown below.



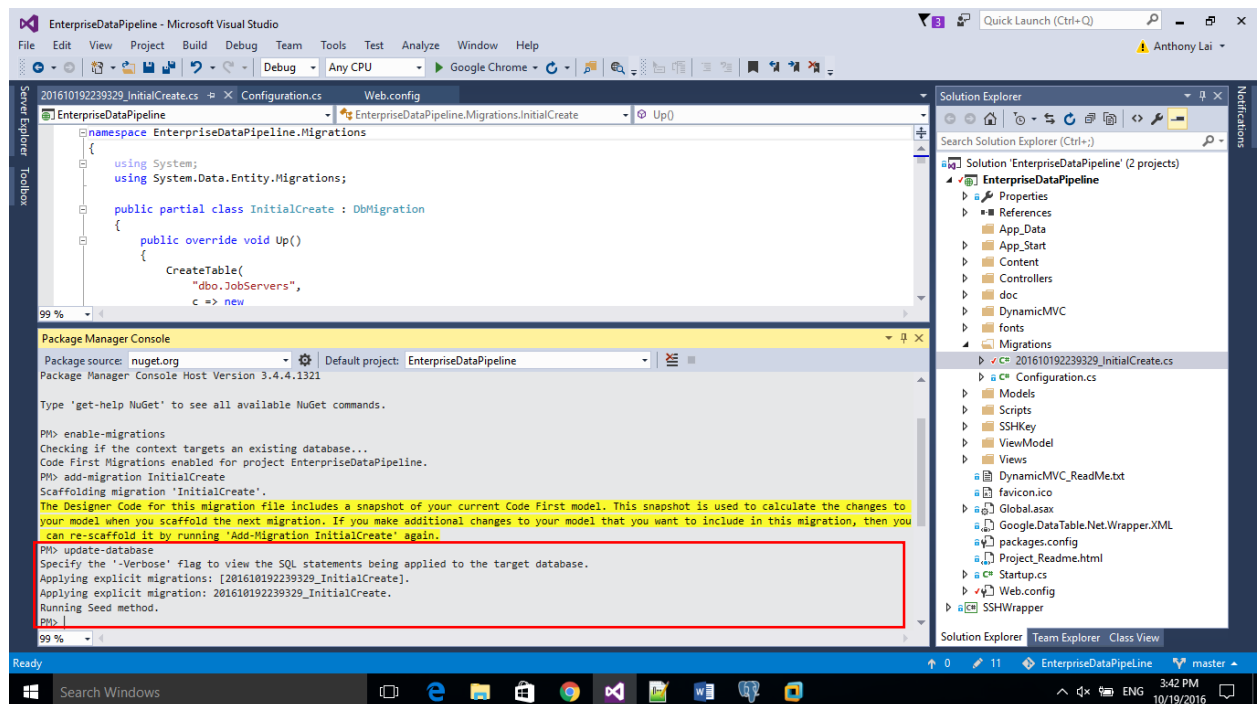
10. In the **Package Manage Console**, run the command **“enable-migrations”**. If the command is run successfully, you will see a new folder called **“Migrations”** created with one file **“Configuration.cs”** inside the folder



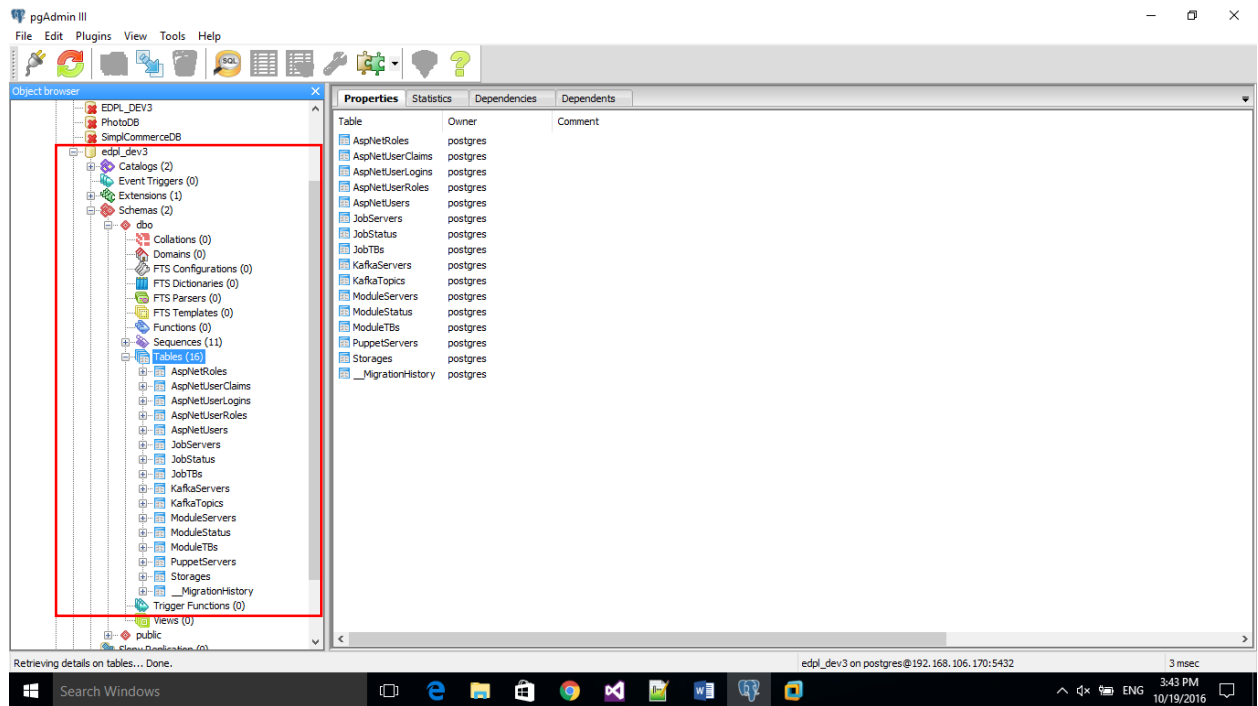
11. In the **Package Manage Console**, run the command “**add-migration InitialCreate**”. If the command is run successfully, you will see a new file “**yyyyymmddhhmmssss_InitialCreate.cs**” has been created under the “**Migrations**” folder



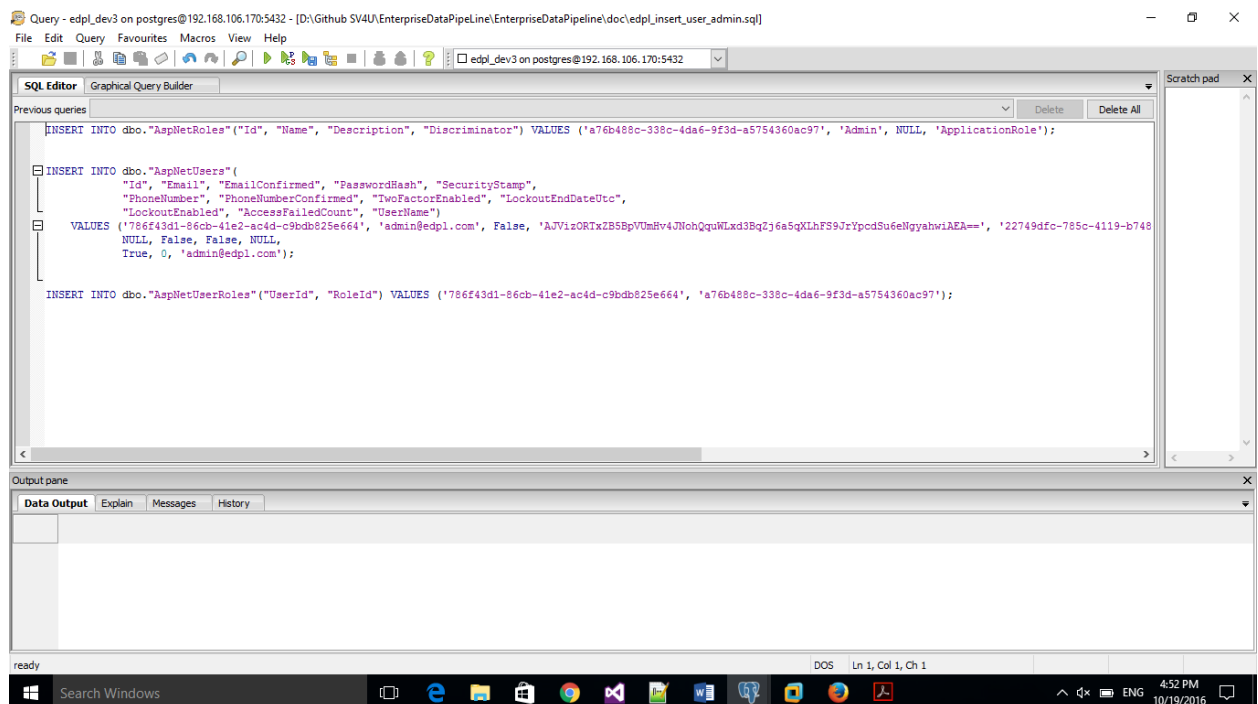
12. In the **Package Manage Console**, run the command “**update-database**”. If the command is run successfully, you will see all the necessary metadata tables will be created in the database “**edpl_dev3**” in **PostgreSQL**.



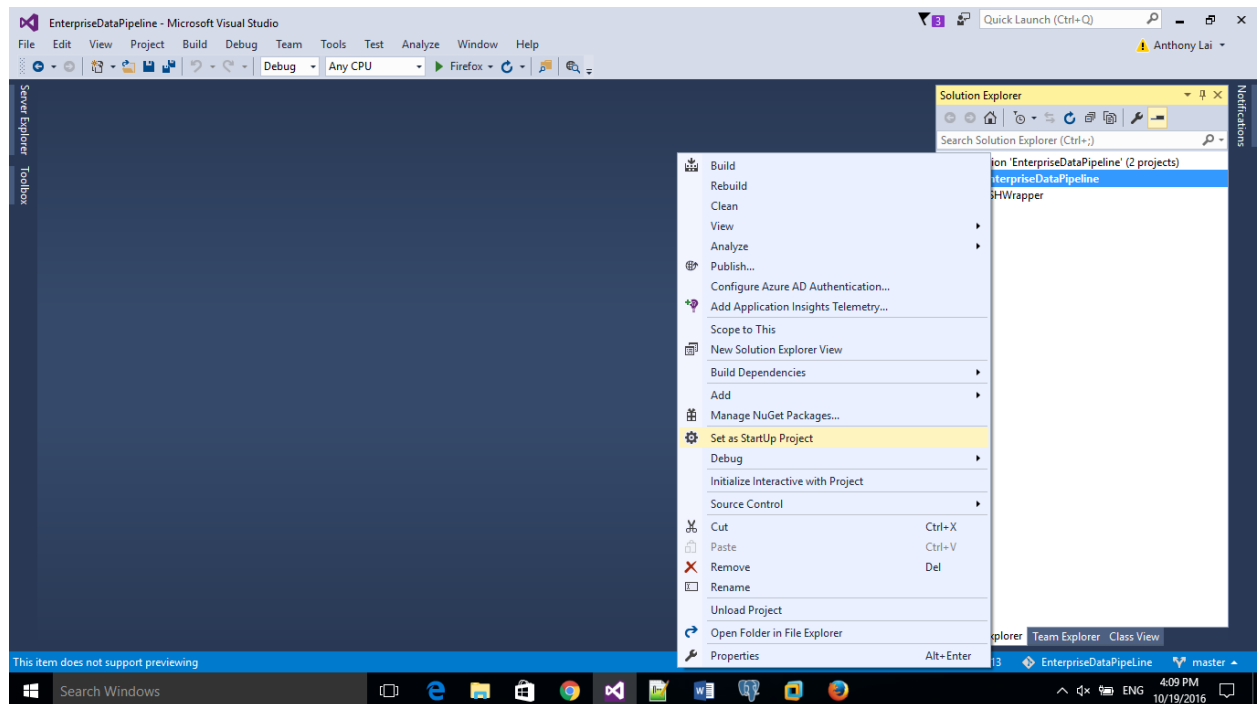
13. All the necessary metadata tables will be created in the database “edpl_dev3” with schema dbo in **PostgreSQL** as show below.



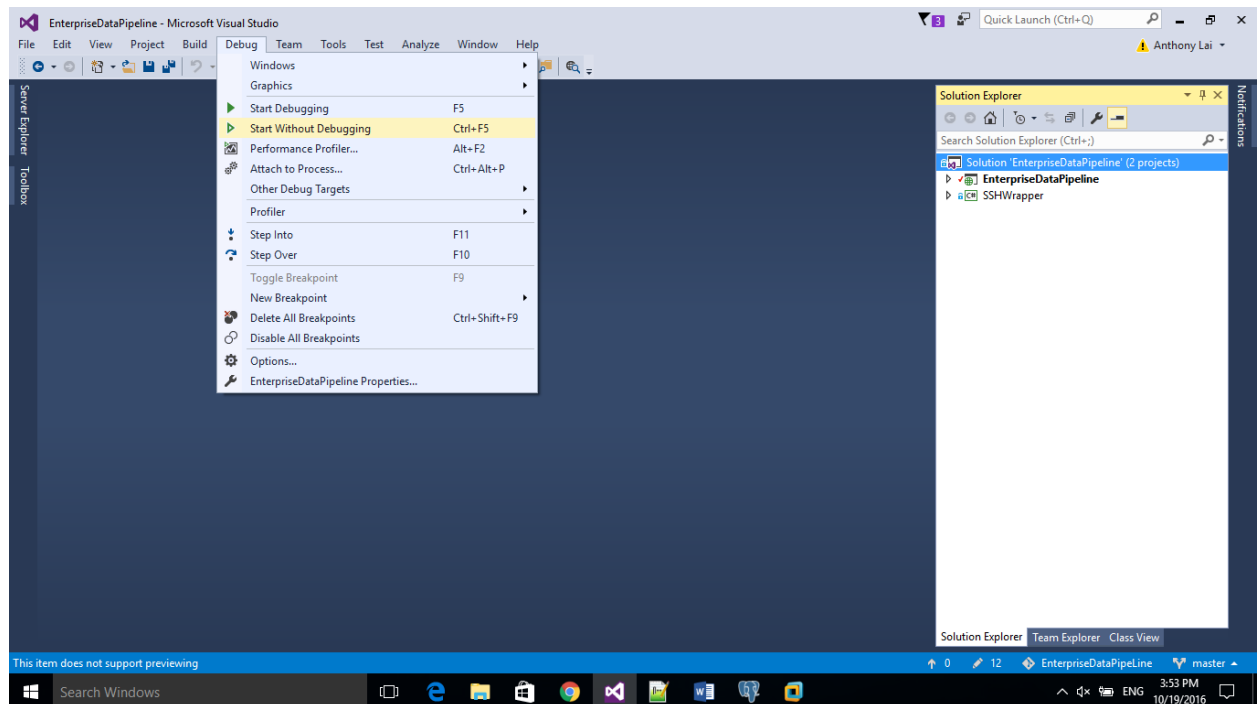
14. Run the SQL script “edpl_insert_user_admin.sql” in SQL Editor in **pgAdmin** for the database “edpl_dev3” with schema dbo in **PostgreSQL** as show below.



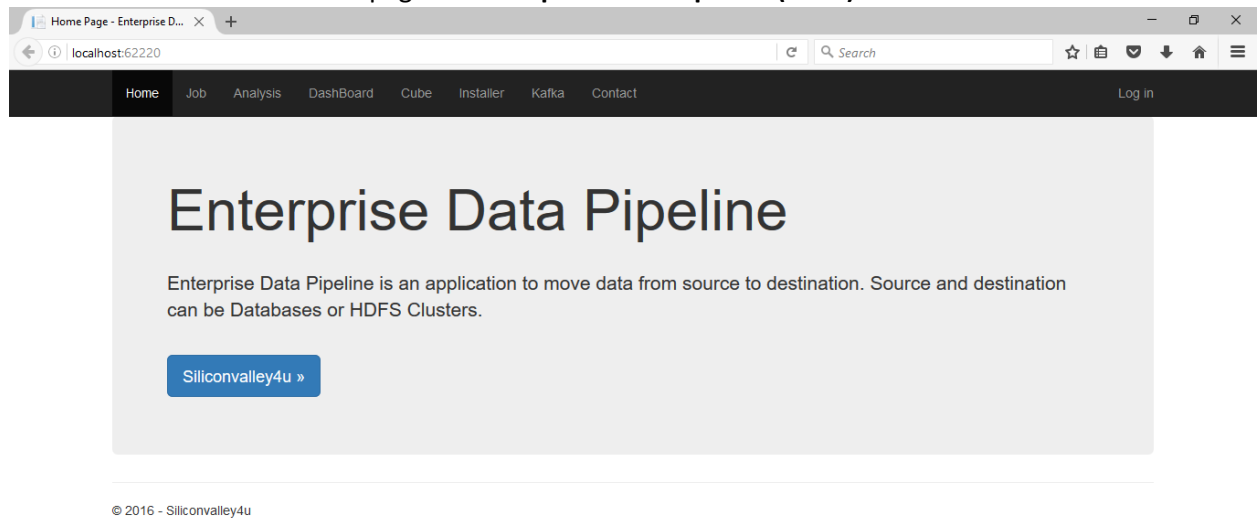
15. In Visual Studio, select the project “EnterpriseDataPipeline” and right click on the mouse. Select “Set as Startup Project” for the project “EnterpriseDataPipeline”. Once it is selected as startup project, it’s text color will turn dark.



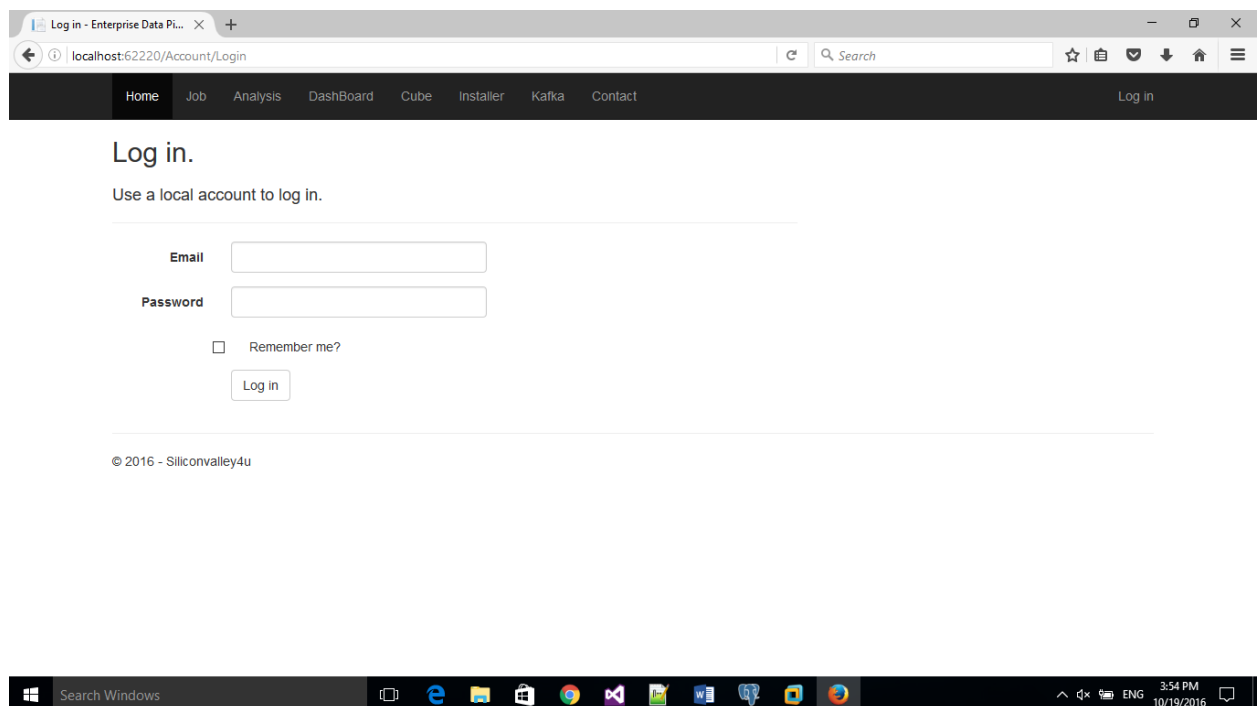
16. Then in Visual Studio, run Enterprise Data Pipeline (EDPL) by click “Start Without Debugging” under **Debug** in the top menu bar as show below.



17. Below is the default homepage for **Enterprise Data Pipeline (EDPL)**



18. Click "Log In" in the top right hand corner to load the login page as shown below.



19. Provide the Email and Password and click the “Log In” button.

Email: admin@edpl.com

Password: Admin:1234

Log in.

Use a local account to log in.

Email: admin@edpl.com

Password:

☐ Remember me?

Log in

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20. After login, you will see the admin menu items appear on the right hand side as show below.

Home Page - Enterprise D...

localhost:62220

Home Job Analysis DashBoard Cube Installer Kafka Contact User Admin Kafka Admin Installer Admin Job Admin

Hello admin@sv4u.com! Log off

Enterprise Data Pipeline

Enterprise Data Pipeline is an application to move data from source to destination. Source and destination can be Databases or HDFS Clusters.

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21. Congratulation! You have successfully start Enterprise Data Pipeline. Please refer to next section to transfer data from SQL database to Hadoop Cluster.

B. Enterprise Data Pipeline (EDPL) Data Transfer from SQL database to Hadoop Cluster