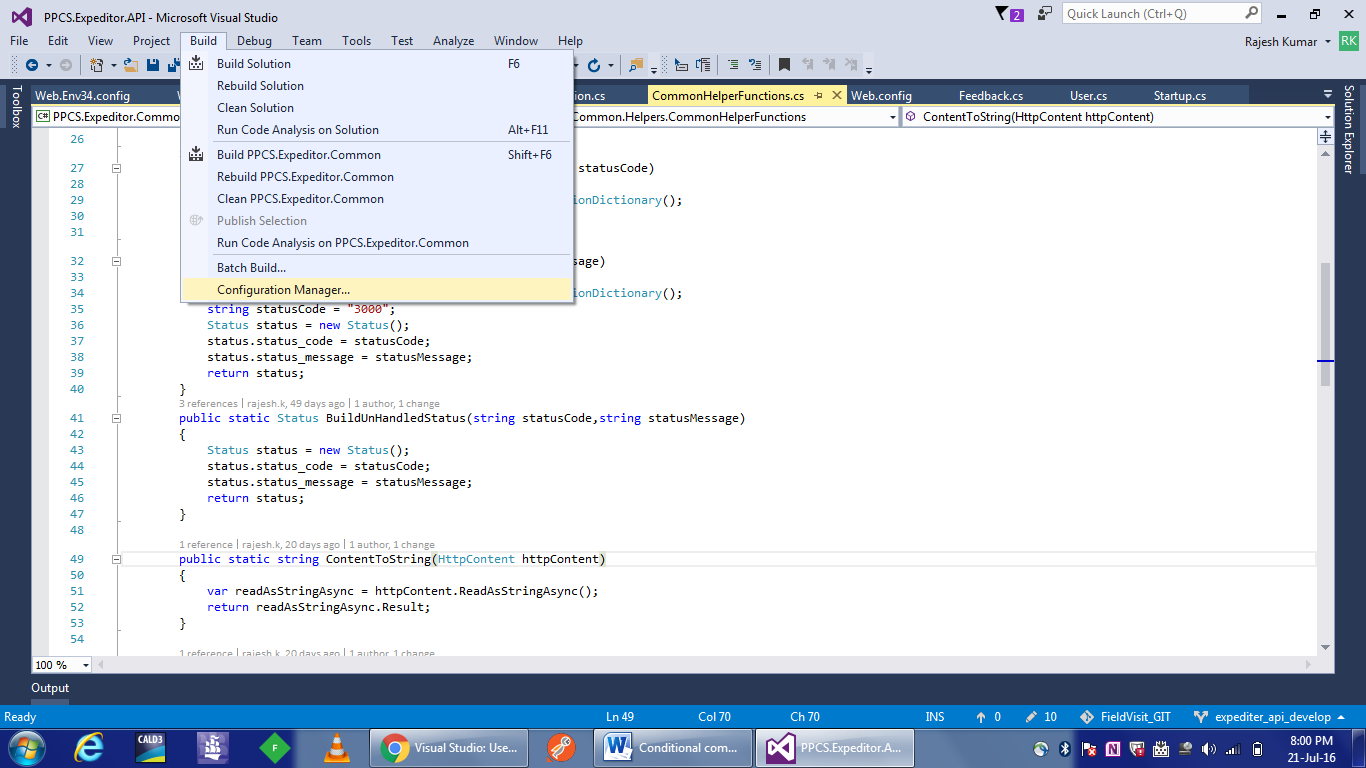
**Conditional compilation to control runtime settings for different deployment scenarios:**

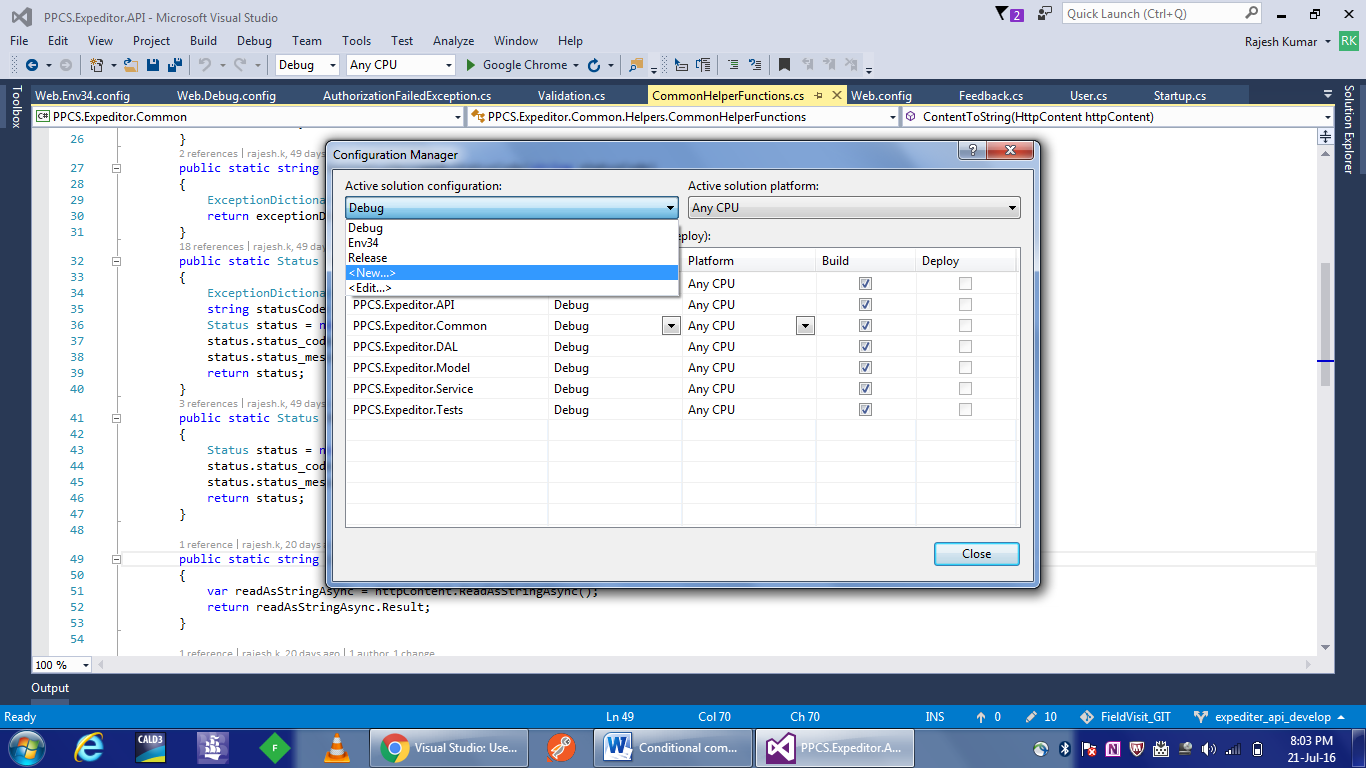
### Step 1: Set Up Build Configurations Using Build Configuration Manager

Use the Build Configuration Manager within Visual Studio to create your own Build Configurations. Configuration Manager allows you to create, customize, and manage build settings for all projects within the current solution.

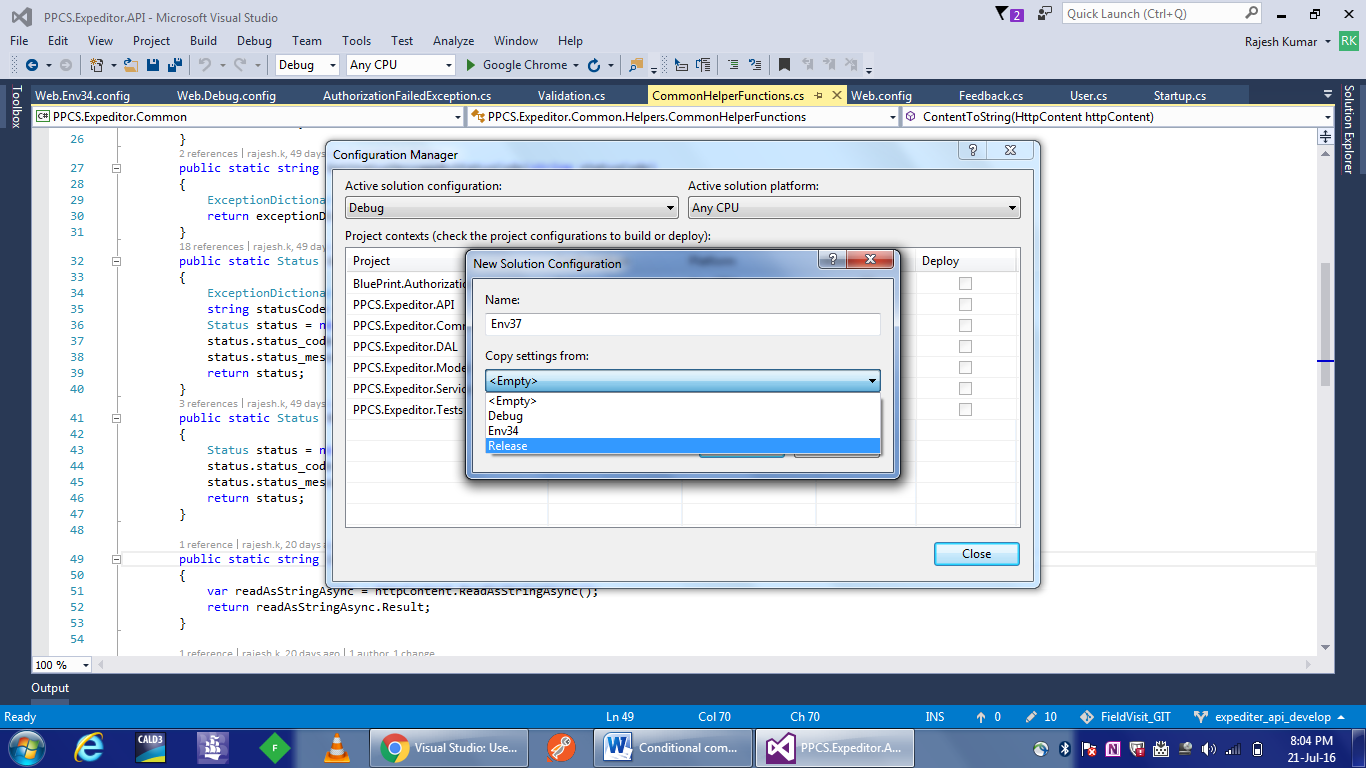
Open Build -- > Configuration Manager



From the drop-down menu in the Configuration Manager, select <New>

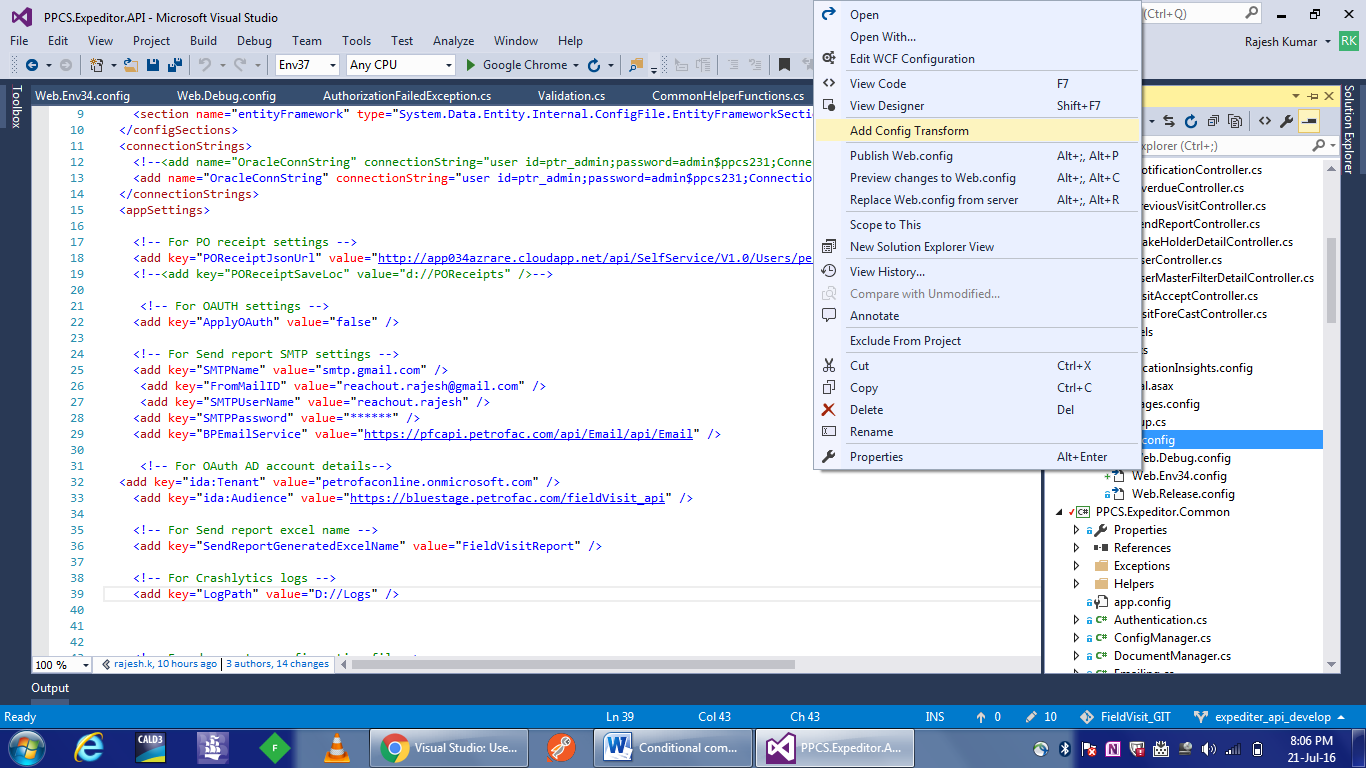


Create a new Build Configuration named Env37, and copy settings from the default Release configuration:

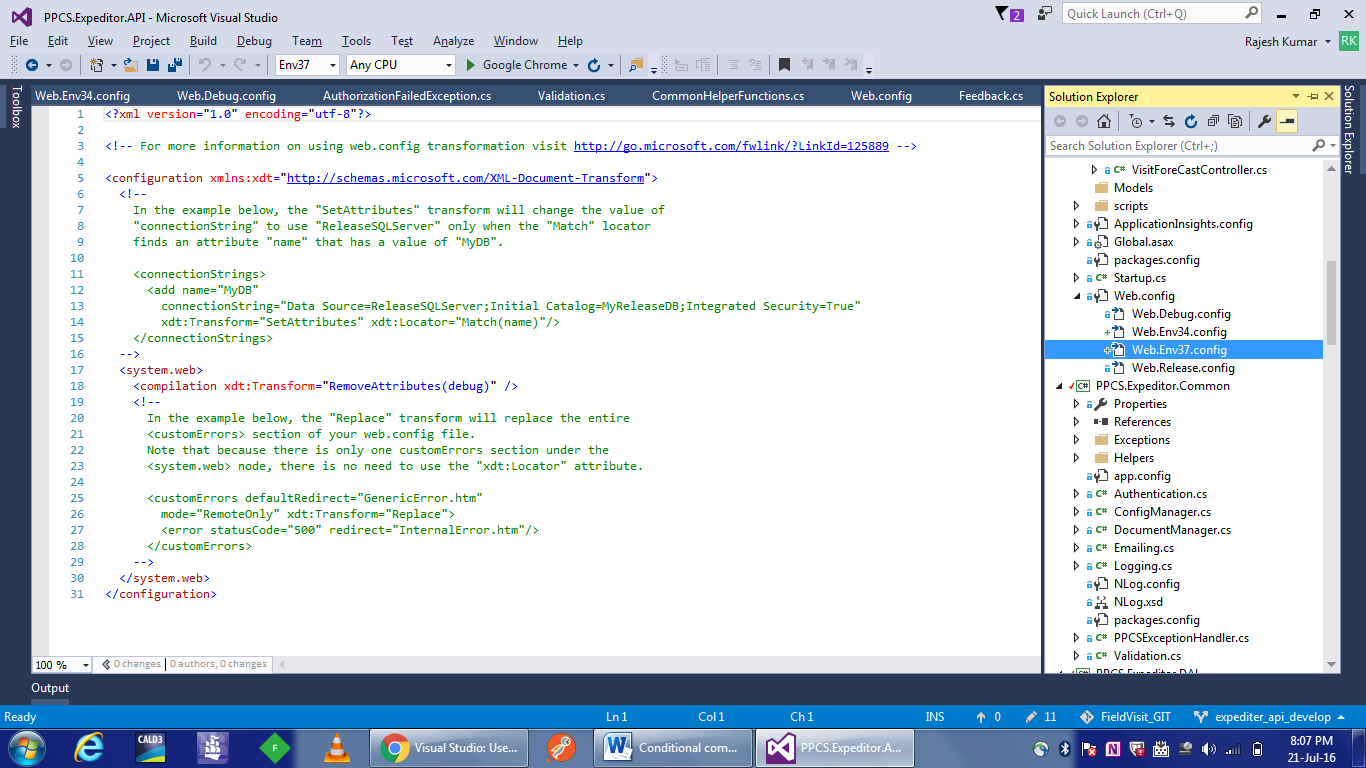


### Step 2: Add the transform config file to the project

Right click on Web.Config file, Select *Add Config Transform,*

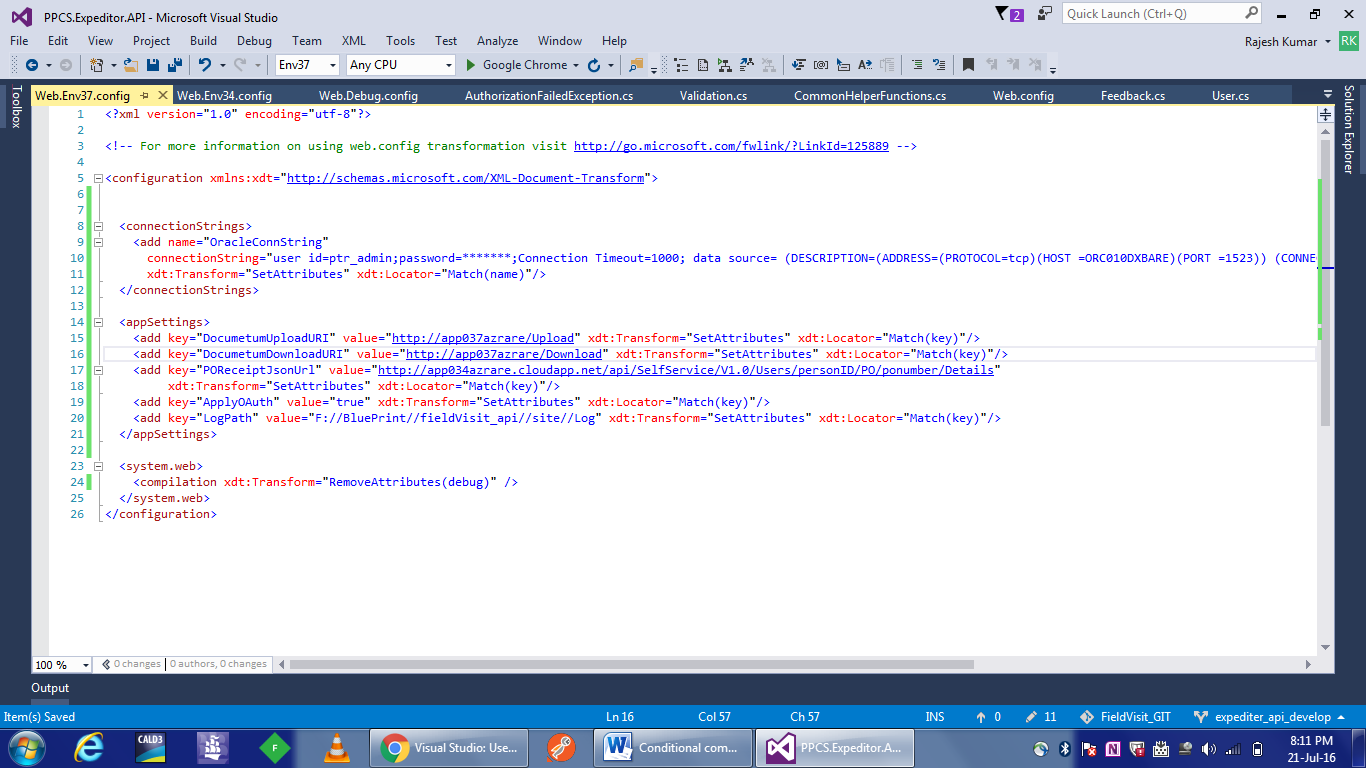


Automatically, it will update our own build configuration (web.Env37.config) which just created.



### Step 3: Updating the transform config file with environment specific values

Need to edit the config file with our environment specific values…



**Sample *web.Env37.config* file:**

*<?xml version="1.0" encoding="utf-8"?>*

*<!-- For more information on using web.config transformation visit http://go.microsoft.com/fwlink/?LinkId=125889 -->*

*<configuration xmlns:xdt="http://schemas.microsoft.com/XML-Document-Transform">*

*<connectionStrings>*

*<add name="OracleConnString"*

*connectionString="user id=ptr\_admin;password=\*\*\*\*\*\*\*;Connection Timeout=1000; data source= (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST =ORC010DXBARE)(PORT =1523)) (CONNECT\_DATA =(SERVICE\_NAME =pcsmain.db.petrofac.local)))"*

*xdt:Transform="SetAttributes" xdt:Locator="Match(name)"/>*

*</connectionStrings>*

*<appSettings>*

*<add key="DocumetumUploadURI" value="http://app037azrare/Upload" xdt:Transform="SetAttributes" xdt:Locator="Match(key)"/>*

*<add key="DocumetumDownloadURI" value="http://app037azrare/Download" xdt:Transform="SetAttributes" xdt:Locator="Match(key)"/>*

*<add key="POReceiptJsonUrl" value="http://app034azrare.cloudapp.net/api/SelfService/V1.0/Users/personID/PO/ponumber/Details"*

*xdt:Transform="SetAttributes" xdt:Locator="Match(key)"/>*

*<add key="ApplyOAuth" value="true" xdt:Transform="SetAttributes" xdt:Locator="Match(key)"/>*

*<add key="LogPath" value="F://BluePrint//fieldVisit\_api//site//Log" xdt:Transform="SetAttributes" xdt:Locator="Match(key)"/>*

*</appSettings>*

*<system.web>*

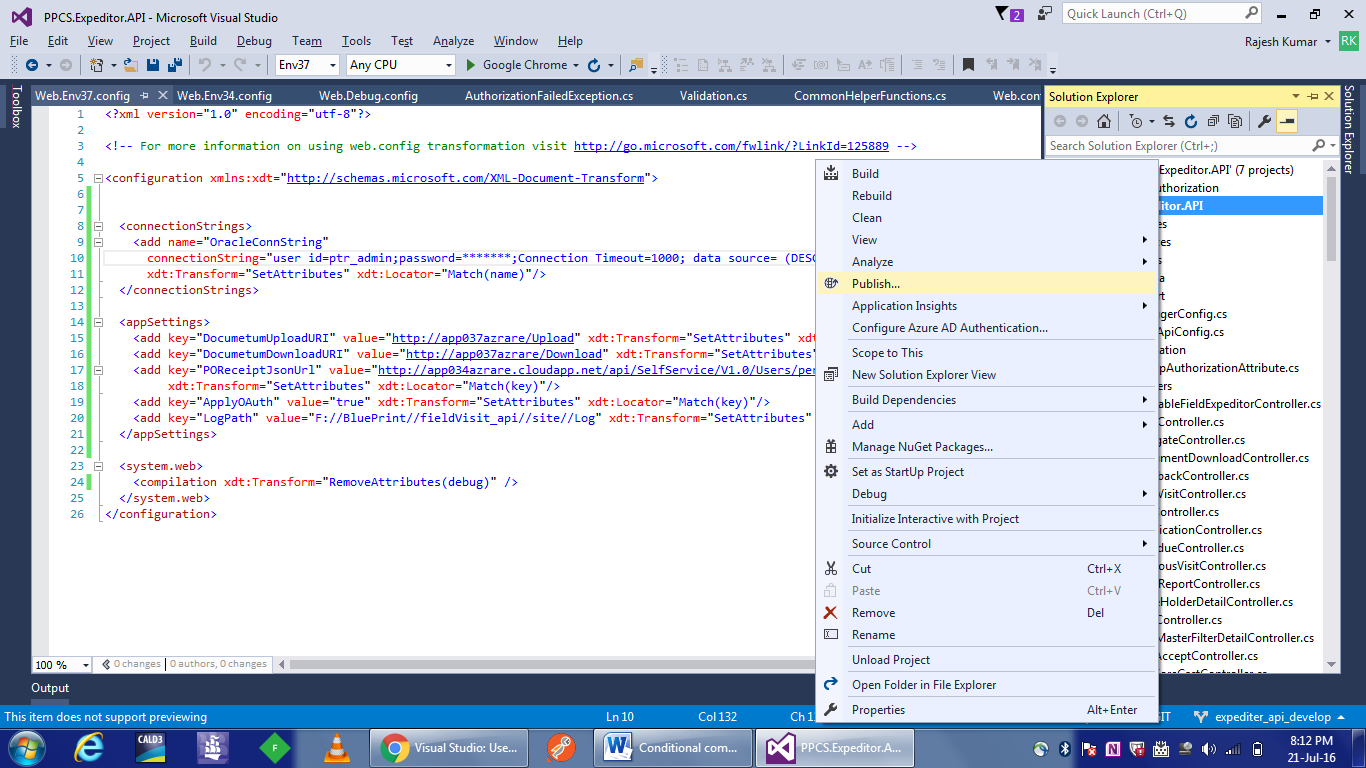
*<compilation xdt:Transform="RemoveAttributes(debug)" />*

*</system.web>*

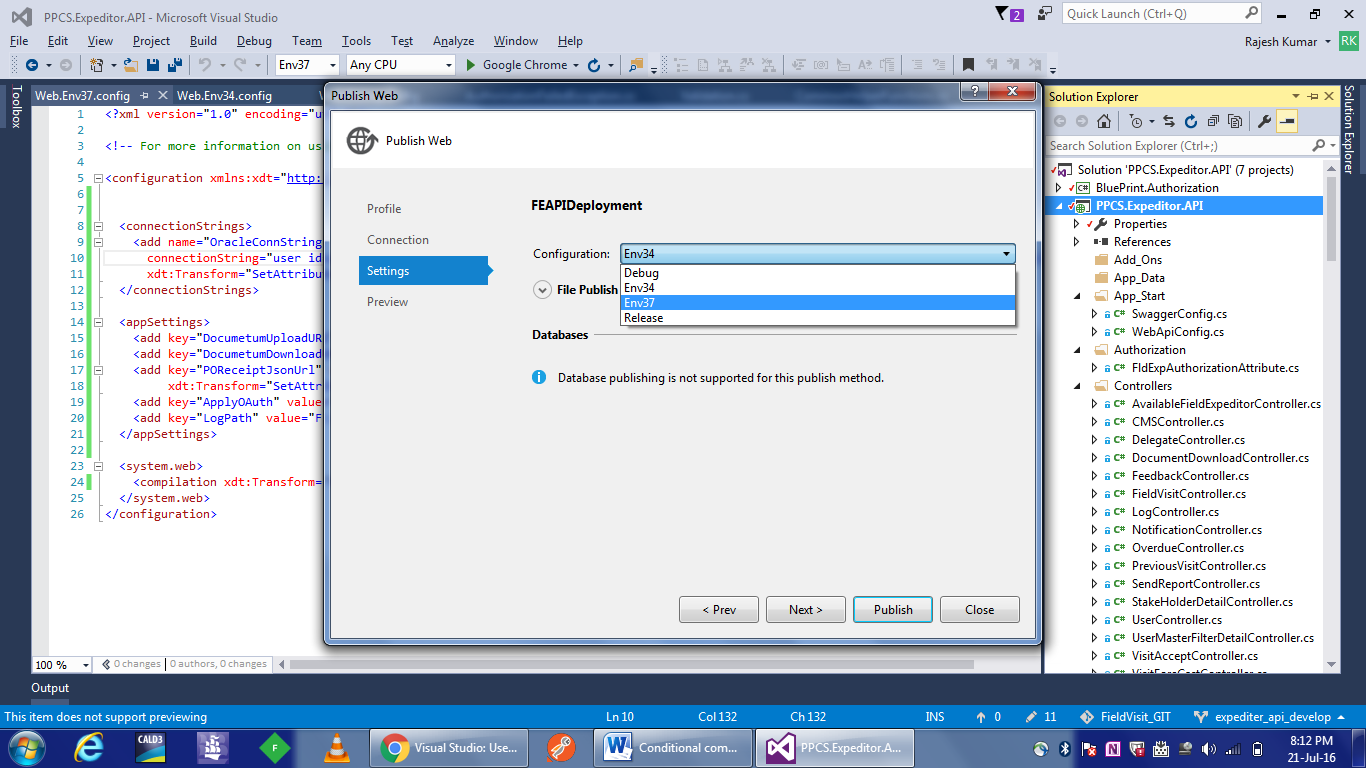
*</configuration>*

### Step 4: Publish with the transform configuration

Right Click on the startup project, select *Publish*…



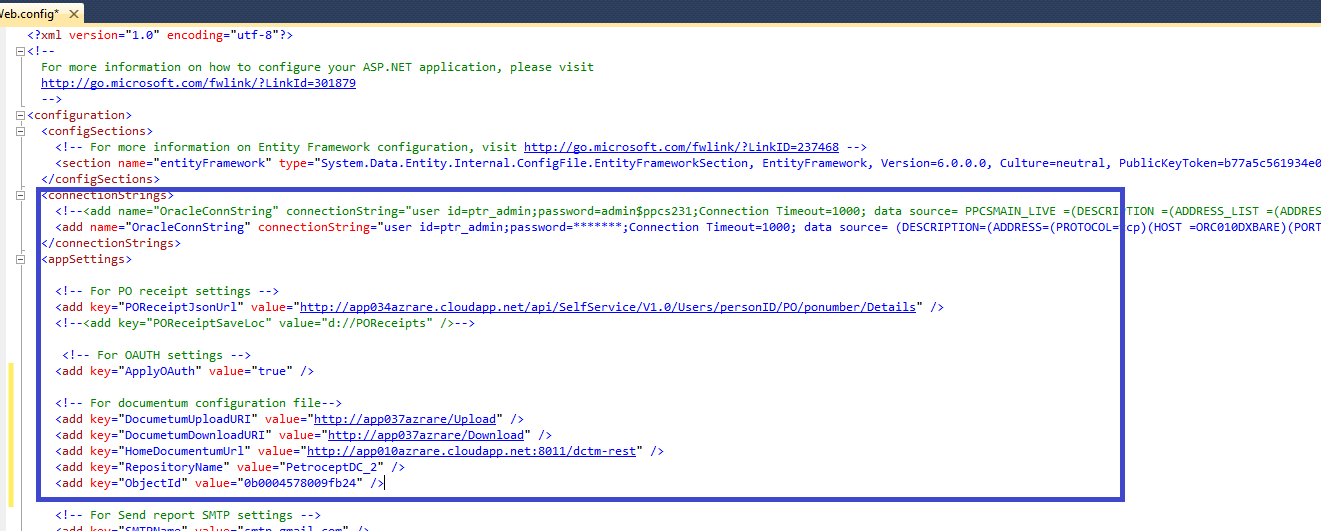
In the pop up, choose the created configuration settings…Click on *Publish*



### Step 5: Finally we got…

In the publish output folder, the resultant *web.config* file looks like this…..

See the note that the *web.config* file gets updated with specific environment values (Env37).



Great !!!