Part 2
Getting started with the data-cube

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DataSource

If you have implemented the part 1 of the guide,then you have successfully started a data Analytics , multidimensional project. So let's get started :

Data Source

- On the Solution Explorer,right click on the Data Source field and choose the "New DataSource".
- After you click next, make sure that you have chosen the "Create a data source based on an existing or new connection.Then on the panel,click new.A new window (connection manager) will pop up. On the server name type . or if that doesn't work enter the full name of your server(MSSQL...).At the bottom of the connection manager, click on the "Select a Database".If you have entered the right server then you will be able to choose the AdventureWorksDW20XXCTP3 as your database.Finally make sure that you have chosen the right way of authentication,to log in to your server.When you have completed these tasks click on the "Test Connection".If you have completed correctly all the fields,like described above,then the connection will test successfully.
- When you return to the 'select how to define the connection" window and you can see on the panel the connection you just created,click on "Finish".Finally enter a name for your DataSource and you are done !

DataSource View

Data Source View

- Now back at the Solution Explorer, right click on the Data Source View and choose the "New Data Source View".At the first step of the wizard you will b able to see the name of the data source you created beforehand.Click on that and then press next.
- Now you have to choose facts and measures for your cube.You can choose whichever you want but I'll recommend the tables that I used to create the cube, so that you have a logical outcome.So every table you click on, then you'll have to press the right arrow so that its taken into account on the included objects table.
- In the cube that I created ,I used : **FactInternetSales**,(click add related tables for this one), **FactResellerSales**,click on that table after you move it to the included tables and add related tables.
- Click next,name your datasource view and press finish

Now you have created successfully the data source view and you can view the diagram of the tables you chose on your screen.In case you want to create a new diagram, then right click at the left of your screen on the diagram organiser and by dragging-dropping the tables at the bottom left you will create your new diagram.

Developing the Cube

Developing the Cube

- Right click on the Cube field of the Solution Manager and select the "New Cube".
- On the "Select Creation Method",make sure that the option "Use existing tables" is selected.
- Next, on the "select measure group tables" select the FactInternetSales (feel free though to choose something else,I just give as an example the ones that I used to create the example cube)
- On the "Select Measures" most possibly everything on your screen will be selected..In that case keep everything selected.
- Again at the "Select New Dimensions" everything might be selected.In that case, keep everything as it is but make sure to un-check the FactInternetSales as it's a fact not a dim.
- Click Next,name your cube and finally click finish.On your screen you will find now the diagram of your cube where the yellow tables are the facts and the blue ones are the measures.