

1. Open new Multidimensional Project
2. Load 'ksiegarnia\_ext' as a new Data Source
  - Click NEXT in the wizard
  - Create a data source based on an existing connection
  - Choose your machine as a server name
  - Choose 'ksiegarnia\_ext' as a database name
  - Provide your connection credentials
  - FINISH
3. Choose from Solution Explorer window catalogue Data Source Views and create a new view
4. Choose the formerly created Data Source
5. Choose only tables *Data*, *Dostawa*, *Dostawa\_pozycji\_na\_zamowieniu*, *Ksiazka*, *Pozycja\_na\_zamowieniu*, *Sprzedawca*, *Wydawca*
6. Click NEXT and FINISH
7. Choose Cubes catalogue from Solution Explorer and create a new cube
8. Choose *Use existing tables* and click NEXT
9. Set *Pozycja\_na\_zamowieniu* and *Dostawa\_pozycji\_na\_zamowieniu* as measure groups
10. Leave the default measures and click NEXT
11. Leave the default dimensions and click NEXT
12. Select *ID\_pozycja\_na\_zamowieniu* as a key for *Pozycja\_na\_zamowieniu* dimension and click FINISH
13. Right-click on the Dimensions folder and choose New Dimension
14. Use an existing table and click NEXT
15. Choose *Pozycja\_na\_zamowieniu* as the Main table and *ID\_pozycja\_na\_zamowieniu* as the Key column
16. Select only *Wydawca* as Related table
17. Select all attributes except *Liczba Zamowionych Egzemplarzy* and FINISH
18. Change name of the dimension to *Pozycja na Zamowieniu Wydawca*
19. Go to dimension usage, right-click the empty space and *Add Cube Dimension*
20. Add Regular reference on the crossing of Measure Group *Dostawa Pozycji na Zamowieniu* and *Pozycja na zamowieniu Wydawca* dimension
21. Choose *ID Pozycja na Zamowieniu* as Granularity Attribute and both as Dimension columns and Measure Group Columns
22. Repeat steps 13-21 for all dimensions directly related with *Pozycja\_na\_zamowieniu*
23. Process