

Data Warehousing Assignment—Part IV

Toon Calders

Rohit Kumar

Deadline: 19 January 2016

1 Practical information

Deadline: 19 January 2015

Group size: Same groups as for the other assignment parts

How to submit: Upload solution at uv.ulb.ac.be

2 Objectives

The goals of the last assignment are:

1. Deploy a data cube based on the data warehouse created in the first three parts.

For the assignment the SQL Server tool SSAS must be used.

3 Assignment

In the first three assignments you have developed a conceptual schema, implemented it into the relational model, and written ETL scripts for refreshing and loading the data warehouse. In the last part of the assignment you will use SSAS to create a browsable cube. The data cube should be based upon the data warehouse scheme that was provided to you for parts II and III of the assignment. In your cube you should offer a view to the end-user that is consistent with the conceptual schema in Figure 1.

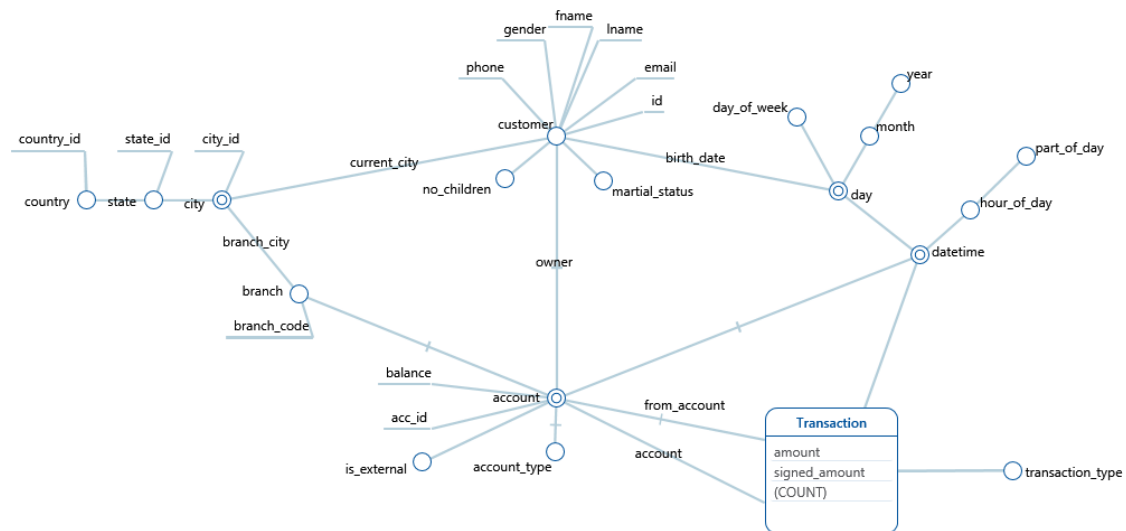


Figure 1: Conceptual schema of the fact and its dimensions for which the data cube should be built.

4 Deliverables

You should deliver the following elements.

1. A report (as a.pdf), containing (length indication is purely indicative):

- (a) A **cover page** with the list of group members, including student ID,
 - (b) Figures showing your data cube in the cube browser (Make sure dimensions and hierarchies are visible) and additional explanations you think are necessary.
2. The SSAS project for creating the cube (copy the complete project folder in the zip folder)
Do not worry about the target database and connection strings as they will be configured manually during the evaluation of the data cube.

Submit all files in one single .zip-file on the université virtuelle course website.