

Exercises for DW & DM

Sheet 2 (until 12.11.2010)

Please send your solutions to silviu@ifis.cs.tu-bs.de until Friday, after the next lecture (date is also mentioned above). You may answer in either German or English. **You are encouraged to work in teams of 2 students** (not more than 2), and send your solution as a team. Please mention in your email the **name of both students** together with the corresponding **inmatriculation numbers**.

Exercise 1 (6P)

1. Briefly present the basic architecture of DWs. (3P)
2. What is a MDB? (2P)
3. When are MDBs in-appropriate? (1P)

Exercise 2 (5P)

1. What is a thin client? (1P)
2. What is the "Generic Three-Tier Architecture" (3P)
3. What are "technologically distributed" DW? (1P)

Exercise 3 (4P)

1. Imagine a conceptual model, and represent it in mE/R for the Lufthansa sales department, knowing that the department wants to be able to investigate ticket sales. Please explain the dimensions and the granularities you have chosen. (4P)