

Konzept zur Vorlesung Data Warehouse 2 (DWH 2)

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Zeit/Ort: BA Stuttgart, Sommer-Semester 2002
immer **Freitag 14:00 – 16:00 Uhr**
(Vorlesung-90 Minuten & Übung-30 Minuten)
10 Termine: 22.2. bis 10.5.2002, i.e.:
22.2.,1.3.,8.3.,15.3.,22.3.
12.4.,19.4.,26.4.,3.5.,10.5.

Inhalt: More Details to BI Concepts, CRM and Frontend Tools:

1. Repetition to DWH 1 & Exercises
2. Introduction to CRM (oper., analy., collab.)
3. Introduction to Metadata
4. Data Population (Advanced, Tools)
5. Data Quality & Data Cleansing Tools
6. Reporting Tools (i.e. Business Object)
7. OLAP Tools (i.e. Hyperion Essbase)
8. DataMining Tools (i.e. IBM Intelligent Miner)
9. Examination & Exercises

Literatur: (special literature for DWH2 in **Bold** type):

- **General DWH:**
 - Barry Devlin 'Data Warehouse....', Addison-Wesley, ISBN: 0-201-96425-2
 - R. Kimball 'The Data Warehouse Toolkit.', John Wiley & Sons, NY 1996, ISBN: 0-471-15337-0
 - R. Kimball,... 'The Data Warehouse Lifecycle Toolkit.', John Wiley & Sons, NY 1998, ISBN: 0-471-25547-5
- **DWH & Business Intelligence (BI)** Stefan Eckrich, 'From Multiplatform Operational Data to Data Warehousing and Business Intelligence', IBM Redbook, SG24-5174-00, ISBN: 0-7384-0032-7
 - V. Anavi-Chaput, 'Business Intelligence Architecture on S/390 –Presentation Guide', IBM Redbook, SG24-5641-00, ISBN: 0-7384-1752-1
- **Meta Data** – David Marco 'Building & Managing the Meta Data Repository', , John Wiley & Sons 2000, ISBN: 0-471-35523-2
- **ETL, OLAP & DB2 OLAP Server:**– Thomas Groh, ... 'BI Services -Technology Enablement Data Warehouse -Perform Guide' IBM Redbook, ZZ91-0487-00
 - Thomas Groh, ... 'Managing Multidimensional Data Marts with Visual Warehouse and DB2 OLAP Server' IBM Redbook, SG24-5270-00, ISBN: 0-7384-1241-4
 - Corinne Baragoin , 'DB2 OLAP Server Theory and Practices', IBM Redbook, SG624-6138-00, ISBN: 0-7384-1968-0
- **Databases (i.e. IBM DB2 UDB; Very Large DB):**- Don Chamberlin 'A Complete Guide to DB2 Universal Database', Morgan Kaufmann Publ. Inc., ISBN: 1-55860-482-0- J. Cook, .. 'Managing VLDB Using DB2 UDB EEE', IBM Redbook, SG24-5105-00
- **Data Modeling (Historical Models):** - C. Ballard, D. Herreman ,.... 'Data Modeling Techniques for Data Warehousing', IBM Redbook, SG24-2238-00
- **Data Mining:**
 - Peter Cabena 'Discovering Data Mining,', Prentice Hall PTR, ISBN: 0-13-743980-6
 - P. Cabena ... 'Intelligent Miner for Data – Applications Guide', IBM Redbook, SG24-5252-00, ISBN: 0-7384-1276-7
 - C. Baragoin 'Mining your Own Business in Telecoms', IBM Redbook, SG24-6273-00, ISBN: 0-7384-2296-7