


PENTAHO BA TRAINING : LABS

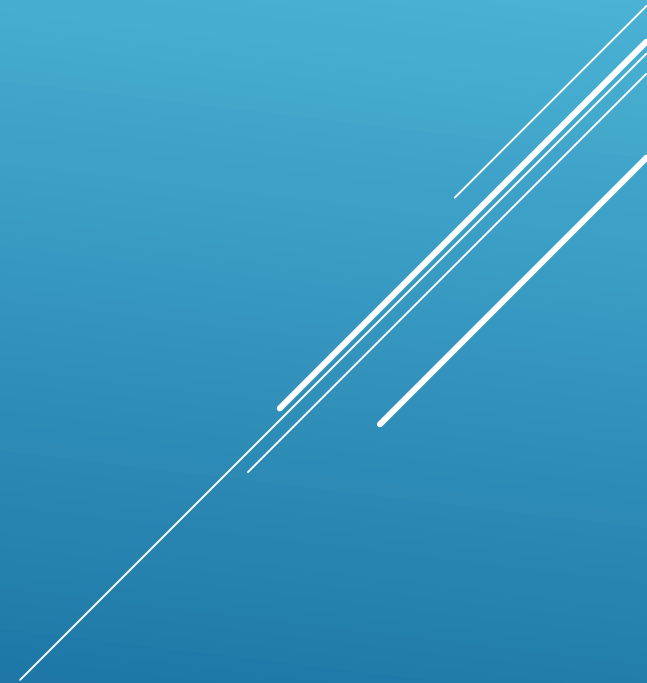
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LAB 1: PENTAHO INSTALLATION


- ▶ Install Pentaho BA Server using the Installer provided
 - ▶ Provide the password for the local PostgreSQL Server
 - ▶ Select the Default options (This will install all the design tools as well)
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LAB 2: PDI

- ▶ Design the OLAP/DWH star schema for the Food Mart.
- ▶ Design the physical tables for Dimensions and Fact.
- ▶ Populate these tables using PDI.
 - ▶ Create one transformation each for the dimensions and Fact
- ▶ Create a Job and call all these transformations in that job to have the complete flow.




LAB 3: SCHEMA WORKBENCH

- ▶ Based on the star schema created and populated in the DWH, create an OLAP model.
 - ▶ Publish it on the BA server.
 - ▶ Check if the schema is available.
 - ▶ Modify the schema and add ROLE based access for a BA user and publish it.
 - ▶ Check if the user is able to access the restricted data.
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LAB 4: REPORT DESIGNER

- ▶ Exercise 1 :
 - ▶ Create a simple report using JDBC connection.
 - ▶ Save it and publish it to the BA Server.
- ▶ Exercise 2 :
 - ▶ Create similar reports using different Data Sources (OLAP, ETL, etc.)
report
- ▶ Exercise 3 :
 - ▶ Create a Parameter based report.
- ▶ Exercise 4 :
 - ▶ Create a Sub-Report with Parameterization.

LAB 5: META DATA EDITOR

- ▶ Create a Metadata Model using the OLAP tables.
 - ▶ Create multiple Business Models for the same connection.
 - ▶ Each Business Model may be providing access to a certain set of business tables.
 - ▶ Test the model using Query Editor in the tool.
 - ▶ Publish the model on the Pentaho BA Server and check if the Business Models/categories are available with all the columns and the data is correct.
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