

Training Content

Business Analytics Data Modeling BA3000



Overview

Pentaho Business Analytics Data Modeling training provides an overview of the Schema Workbench and the MetaData Editor. The hands-on exercises help the participants understand the tool quickly and is able to create cubes using Pentaho Schema Workbench and Metadata models using the MetaData Editor.

After the course

Once the course is complete, you will be able to achieve the following:

- Understand the dimensional modeling concepts.
- Create different reporting models.
- Create Cubes using Schema Workbench and publish them on the Pentaho BA Server.
- Create Metadata models using MetaData Editor and publish them on the Pentaho BA Server.

Pre-requisites

The participants should have the basic knowledge on the Linux/Windows system as the training may require them to do some basic operations. They need not have the understanding of Business Intelligence or Data Warehouse. The understanding of any of the Relational Databases and dimensional modeling will be an added advantage.

You may also need to bring a Windows/Linux Laptop, minimum with the following configuration:

1. At least 2 GB RAM on the laptop.
2. At least 1 GB of space on Hard Drive.
3. 1.4 GHz CPU or above.
4. DVD drive
5. USB port
6. SUN JAVA 1.6 or above.
7. MySql 5.x/PostgreSQL 8.x or above

Topic	Hours
Day 1	
<p>MODULE 1: CREATING REPORTING DATA SOURCES WITH METADATA EDITOR Lesson 1: Creating Metadata Domains with Metadata Editor Lesson 2: Using Metadata Concepts</p> <p>MODULE 2: OLAP/ROLAP AND DIMENSIONAL MODELING Lesson 1: Introduction to OLAP and ROLAP Lesson 2: Dimensional Modeling: Cubes and Stars Lesson 3: Introduction to Mondrian</p> <p>MODULE 3: CREATING ANALYSIS DATA SOURCES WITH SCHEMA WORKBENCH, PART 1 Lesson 1: Introduction to Schema Workbench Lesson 2: Creating a Basic Cube Exercise 3-1: Create a Basic Cube</p>	8
Day 2 - USING SCHEMA WORKBENCH	
<p>MODULE 4: CREATING ANALYSIS DATA SOURCES WITH SCHEMA WORKBENCH, PART 2 Lesson 1: Creating a Star Schema Exercise 4-1: Create a Star Schema Lesson 2: Creating Calculated Members Exercise 4-2: Create a Calculated Member Lesson 3: Access Control with Schema Workbench Lesson 4: Using Aggregate Tables in Schema Workbench</p> <p>MODULE 5: USING THE DATA SOURCE WIZARD TO BUILD DATA MODELS Lesson 1: Using the Data Source Wizard to Build Data Models Exercise 5-1: Use the Data Source Wizard to Build Data Models Exercise 5-2: Use Metadata Editor and Schema Workbench to Edit Data Models</p>	8