

**Course Length:** 5 days

## **Learning Objectives**

At the completion of this course, you should be able to:

- Understand the architecture of the Pentaho Business Intelligence (BI) Suite
- Describe and Demonstrate the reporting end-user experience with the Pentaho BI Server
- Perform multiple data transformations
- Use PDI and ETL design patterns to populate a data warehouse star schema
- Develop basic OLAP schemas for and using Pentaho Analysis
- Build and deploy reports

## **Who Should Attend**

This course is designed for system administrators, system integrators, content developers, software developers, and BI consults; however, it is valuable to anyone with a basic understanding of SQL and relational database concepts.

## **Course Prerequisites**

- Base experience with system administration on Windows, UNIX, or Linux operating systems
- Understanding of hardware and networking
- Understanding database concepts

## **Course Outline**

- Pentaho Platform Concepts
- Installation of the Pentaho BI Suite
- Analysis Solutions Overview
- Dimensional Modeling
- ETL and Pentaho Data Integration Overview
  
- Pentaho Data Integration
- Look-ups and Field Transformations
- Set and Pivot Transformations
- Jobs and Transformations
  
- Pentaho Analysis
- Schema Workbench
  
- Introduction to the Reporting Concepts
- Report Wizard
- Report Designer
  
- Design Studio
- Dashboard Designer