

Pentaho BI Certification Training

The Pentaho BI Certification Training course provides an overview of Business Intelligence and Data warehousing concepts. The course imparts the essential knowledge and skills required to use Pentaho Business Intelligence (BI) Suite effectively.

Objective

Details

Who is this course for

The Pentaho BI course is best suited for:

Testing Professionals

Business Analyst

Data Scientist

Solution Architect

Mainframe Professionals

BI developer

DW programmer

Graduates who want to build their career in Business Intelligence & Data Analytics

Course Content

Introduction to Pentaho Tool

Pentaho user console

Overview of Pentaho Business Intelligence and Analytics tools

Database dimensional modelling

Using Star Schema for querying large data sets

Understanding fact tables and dimensions tables

Snowflake Schema

Principles of Slowly Changing Dimensions

Knowledge of how high availability is supported for the DI server and BA server

Managing Pentaho artifacts

Knowledge of big data solution architectures

Introduction to Pentaho BI Suite

Describe Pentaho

Pentaho BI (CE vs. EE)

Pentaho Data Integration (PDI)

Pentaho Report Designer (PRD)

Pentaho Metadata Editor (PME)

Pentaho Schema Workbench (PSW)

Dashboard Capabilities

Data Architecture

Designing data models for reporting

Pentaho support for predictive analytics

Design a Streamlined Data Refinery (SDR) solution for a client

Clustering in Pentaho

Understanding the basics of clustering in Pentaho Data Integration

Creating a database connection
Moving a CSV file input to table output and Microsoft Excel output
Moving from Excel to data grid and log

Pentaho Report Designer - Basic

PRD Layout
Understanding its Basic Features
Designing Basic Report Containing Graphical Chart
Conditional Formatting
Studying the PRPT File Format
Building a Basic Report in PDF Report

Pentaho Report Designer – Advanced

Working with Group
Group Header
Group Footer
Data Source Connection
Query Designer
API Based Reporting

Pentaho Data Integration – Introduction

Define Extract, Transform, Load (ETL) Concepts
PDI GUI Layout
Repository
Wizard
Marketplace
Supported Data Types for Connectivity

Pentaho Data Integration – Transformation

What is Transformation?
Variable
Step
Hop
Various Input Steps
Various Output Steps
Transformation Steps
Scripting
Big Data Steps
Integration with Hadoop HDFS and NOSQL MongoDB
PDI and Map Reduce

Pentaho Data Integration – Job and More

What is PDI-job?
Integrating Report
Entries
Job Orchestration
Logging
Understanding Repository
Database Repository
File Based Repository
Example with Job Containing Multiple Entries

Pentaho BA Server and USER Console

Pentaho Business Analytics
User Console Navigation
JPivot
Analysis Tools
Using Data Sources
Integrating Report on BI

Security

Securing data
Integrating user security with other enterprise systems
Extending BA server content security
Pentaho's support for multi-tenancy
Using Kerberos with Pentaho