

Informatica PowerCenter

Course Overview



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Course Audience

➤ This course is designed for:

- Analysts, Designers and Developers involved in Design, Development, and Maintenance of Data Warehousing Applications



Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
15-Apr-2009	1.0	Informatica 8.5.1	Vandana Mistry	Content creation
24-Apr-2009	1.0	Informatica 8.5.1		Template application
1-Aug-2013	1.1	Informatica 9.5.1	Vandana Mistry	Align course as per new version
6-Jun-2015	1.2	Informatica 9.6	Vandana Mistry	Additional Topics

Course Goals and Non Goals

➤ Course Goals

- To understand Informatica Powercenter as an ETL tool

➤ Course Non Goals

- Powercenter Administration



Pre-requisites

- Good knowledge of RDBMS
- Fair knowledge of programming
- Fair knowledge of Data Warehousing Concepts

Intended Audience

- Professional Data warehousing experts, or anyone requiring a foundation knowledge in ETL process



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Day Wise Schedule

➤ Day 1

- Lesson 1: Informatica PowerCenter
- Lesson 2: PowerCenter Designer

➤ Day 2

- Lesson 2: PowerCenter Designer
- Lesson 3: Workflow Manager
- Lesson 4: Transformations

➤ Day 3

- Lesson 4: Transformations
- Lesson 5: Mapplets

➤ Day 4

- Lesson 6: Workflow and Session Log
- Lesson 7: Additional Transformations

Day Wise Schedule

➤ Day 5

- Lesson 7: Additional Transformations
- Lesson 8: Workflow Tasks

➤ Day 6

- Lesson 9 : Pre-SQL, Post-SQL, SQL Override, Update Override
- Lesson 10: Indirect Source Files
- Lesson 11: Mapping Parameter

➤ Day 7

- Lesson 11: Mapping variable
- Lesson 12: Using FTP Connection

➤ Day 8

- Lesson 13: Dynamic Lookup
- Lesson 14: Creation of Type 2 Dimension/Version Data Mapping
- Lesson 15: Metadata Tables and Views

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➤ Lesson 1: Informatica PowerCenter

- 1.1. What is a Data Warehouse ?
- 1.2. Overview of Data Warehouse Model
- 1.3. ETL Process
- 1.4. Informatica PowerCenter Components
- 1.5. PowerCenter Domain
- 1.6. Integration Service
- 1.7. Repository Manager
- 1.8. User and Group Management
- 1.9. Folder

➤ Lesson 2: PowerCenter Designer

- 2.1. Concept of a Mapping
- 2.2. PowerCenter Designer : Modes

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- 2.3. Analyze Sources
- 2.4. Creating a Target Schema
- 2.5. Mapping Designer
- 2.6. Transformation Overview
- 2.7. Source Qualifier Transformation
- 2.8. Expression Transformation
- 2.9. Aggregator Transformation

➤ Lesson 3: Workflow Manager

- 3.1. Workflow
- 3.2. Workflow Monitor
- 3.3. Database Connections
- 3.4. Tasks
- 3.5. Session Task
- 3.6. Debugger

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➤ Lesson 4: Transformations

- 4.1. Lookup Transformation
- 4.2. Filter Transformation
- 4.3. Joiner Transformation
- 4.4. Rank Transformation
- 4.5. Working with Flat Files

➤ Lesson 5: Mapplets

- 5.1. Concept of Mapplet
- 5.2. Mapplet Input and Output
- 5.3. Normalizer Transformation

➤ Lesson 6: Workflow and Session Log

- 6.1. Workflow Schedule
- 6.2. Scheduler Options

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- 6.3. Editing a Workflow
- 6.4. Deleting a Workflow
- 6.5. Session Logs
- 6.6. Setting Tracing Levels
- 6.7. Update Strategy Transformation

➤ Lesson 7: Additional Transformation

- 7.1. Router Transformation
- 7.2. Sorter Transformation
- 7.3. Stored Procedure Transformation
- 7.4. Sequence Generator Transformation
- 7.5. Union Transformation
- 7.6. Reusable Transformations

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➤ Lesson 8: Workflow Tasks

- 8.1. Command Task
- 8.2. Email Task
- 8.3. Timer Task
- 8.4. Decision Task
- 8.5. Event Tasks
- 8.6. Worklets
- 8.7. Overview of Version Control

➤ Lesson 9: Pre-SQL, Post-SQL, SQL Override and Update Override

- 9.1. Pre-Post SQL
- 9.2. SQL Override
- 9.3. Update Override

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➤ **Lesson 10: Indirect Source Files**

- 10.1. Using Multiple Source Files
- 10.2. Indirect Files

➤ **Lesson 11: Mapping Parameter and Mapping Variable**

- 11.1 Mapping Parameter and Variable Overview
- 11.2. Mapping Parameters
- 11.3. Mapping Variables

➤ **Lesson 12: FTP connection**

- 12.1. Using an FTP connection

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➤ **Lesson 13: Dynamic Lookup**

- 13.1. Static Cache
- 13.2. Dynamic Cache

➤ **Lesson 14: Creating a Type 2 Dimension/Version Data Mapping**

- 14.1. Introduction
- 14.2. Handling Keys
- 14.3. Example
- 14.4. Numbering Versions
- 14.5. Understanding the Mapping

➤ **Lesson 15: Metadata Tables and Views**

- 15.1. Repository Tables
- 15.2. Mapplet Table and Views