

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

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Intended Audience

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



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
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 - 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