Informatica Power Center

Lesson 00: Course Overview

IGATE is now a part of Capgemini

People matter, results count.

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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	Reviewer(s)	Approver	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
4-Jul-2016	1.3	Informatica 9.6	Swati Rao	Rajita Dhumal	Mahima Sharma	Material Revamp as per Integrated ToC for I & D LoT

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Course Goals and Non Goals

- Course Goals
  - To understand Informatica Power center as an ETL tool

- Course Non Goals
  - Power center Administration

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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

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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

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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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Day Wise Schedule

- Day 9
  - Lesson 16: Partitioning
  - Lesson 17: Session Parameters
  - Lesson 18 : Incremental Aggregation
  - Lesson 19: Constraint Based Loading
- Day 10
  - Lesson 20: Row Error Logging
  - Lesson 21: Error Handling Architecture
  - Lesson 22: Metadata Tables and Views
  - Lesson 23: Standards And Tips

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Informatica Course Overview   Course Overview

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  - 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
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- 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
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  - 3.6. Debugger

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  - 5.1. Concept of Mapplet
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- Lesson 9: Pre-SQL, Post-SQL, SQL Override and Update Override
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  - 10.1. Using Multiple Source Files
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  - 12.1. Using an FTP connection

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- Lesson 15: Commit Point
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- 16.2. Types of partitions

▪ Lesson 17: Session Parameters

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- 17.2. User Of Parameter file
- 17.3 Parameter file format

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