

Informatica for DB ETL Testing

Lesson 00: Course Overview

IGATE is now a part of Capgemini

People matter, results count.



Course Audience

- This course is designed for:
 - Designers, Developers and Test engineers involved in Design, Development, and Maintenance of Data Warehousing Applications



Course Goals and Non Goals

- Course Goals

- To understand Informatica Power center as an ETL tool

- Course Non Goals

- Power center 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



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

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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