IBM InfoSphere DataStage Course Details

By **Besant Technologies**

Course Name	DataStage
Category	Data Warehousing (ETL Tool)
Venue	Besant Technologies
Address	No.24, Nagendra Nagar, Velachery Main Road, Velachery, Chennai – 600 042 Landmark – Opposite to Phoenix Market City
Official URL	DataStage Training
Demo Classes	At Your Convenience
Training Methodology	10% Theory & 90% Practical
Course Duration	30-35 Hours
Class Availability	Weekdays & Weekends
For Demo Class	Call - +91-996 252 8293 / 94 Email ID – besanttech@gmail.com

Why Besant Technologies?

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Datastage Training Outline

Datastage Introduction

- DataStage Architecture
- DataStage Clients
- Designer
- Director
- Administrator
- DataStage Workflow

Types of DataStage Job

- Parallel Jobs
- Server Jobs
- Job Sequences

Setting up DataStage Environment

- DataStage Administrator Properties
- Defining Environment Variables
- Importing Table Definitions

Creating Parallel Jobs

- Design a simple Parallel job in Designer
- Compile your job
- Run your job in Director
- View the job log
- Command Line Interface (dsjob)

Accessing Sequential Data

- Sequential File stage
- Data Set stage
- Complex Flat File stage
- Create jobs that read from and write to sequential files
- Read from multiple files using file patterns
- Use multiple readers
- Null handling in Sequential File Stage

Platform Architecture

- Describe parallel processing architecture Describe pipeline & partition parallelism
- List and describe partitioning and collecting algorithms
- Describe configuration files
- Explain OSH & Score

Combining Data

- Combine data using the Lookup stage

- Combine data using merge stage
- Combine data using the Join stage
- Combine data using the Funnel stage

Sorting and Aggregating Data

- Sort data using in-stage sorts and Sort stage
- Combine data using Aggregator stage
- Remove Duplicates stage

Transforming Data

- Understand ways DataStage allows you to transform data
- Create column derivations using userdefined code and system functions
- Filter records based on business criteria
- Control data flow based on data conditions

Repository Functions

- Perform a simple Find
- Perform an Advanced Find Perform an impact analysis
- Compare the differences between two Table Definitions and Jobs.

Working with Relational Data

- Import Table Definitions for relational tables.
- Create Data Connections.
- Use Connector stages in a job.
- Use SQL Builder to define SQL Select statements.
- Use SQL Builder to define SQL Insert and Update statements.
- Use the DB2 Enterprise stage.

Metadata in Parallel Framework

- Explain schemas.
- Create schemas.
- Explain Runtime Column Propagation (RCP).
- Build a job that reads data from a sequential file using a schema.
- Build a shared container.

Job Control

- Use the DataStage Job Sequencer to build a job that controls a sequence of jobs.
- Use Sequencer links and stages to control the sequence a set of jobs run in.
- Use Sequencer triggers and stages to control the conditions under which jobs run.
- Pass information in job parameters from the master controlling job to the controlled jobs.
- Define user variables.
- Enable restart.
- Handle errors and exceptions.