# IBM InfoSphere DataStage – Introduction Training

## Course Summary

**Description**

The Introduction to DataStage course is designed to introduce the student to the world of ETL job development leveraging the high-performance nature of the DataStage environment. Our course is designed around a number of concepts and scenarios. This is achieved by the following:

- Learning in a "Open Workshop" environment. Every concept is explained, demonstrated by the instructor, and then the student demonstrates the concept
- A logical organization of discussion topics centered around "Concepts and Scenarios"
- Enhanced lab exercises based on real-world work scenarios
- Group exercises meant

**Objectives**

At the end of this course, students will be able to:

- Describe the methods for success for developing an ETL job
- Develop basic ETL jobs
- Debug, Test, and Monitor ETL jobs in development and a production capacity
- Understand the basics about building ETL jobs and using the correct tools to accomplish objectives

**Topics**

- Introduction to InfoSphere DataStage
- Parallel Job Development Methods
- Transforming Data in DataStage
- Debugging ETL jobs

**Audience**

This class is designed for the beginning developer who wants to how to use IBM InfoSphere DataStage to perform Extraction, Transformation, and Loading techniques via programmatic logic.

**Prerequisites**

Basic SQL and Programming knowledge

**Duration**

Four days

ProTech

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*"Charting the Course ...*

*... to Your Success!"*

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## Course Outline

**I. Introduction to InfoSphere DataStage**
- A. Understanding the needs and uses of ETL jobs

**II. Parallel Job Development Methods**
- A. Reading data from File Sources in DataStage
- B. Reading Data from Database Sources

**III. Transforming Data in DataStage**
- A. Building Lookups and Joins to Merge disparate data
- B. Building a Sequence Tree

**IV. Debugging ETL jobs**
- A. Using the DataStage Director to monitor job execution
- B. Group Project: Populating a Warehouse using ETL Jobs