

## Datastage Course Content

### Overview of the Data Stage

- ❖ Introduction to Data Warehousing
- ❖ What is Data Warehousing?
- ❖ Who needs Data Warehousing?
- ❖ Why Data Warehouse is required?
- ❖ Types of Systems
  - (i) OLTP (ii) DSS (iii) OLAP
- ❖ Maintenance of Data Warehouse
- ❖ Data Warehousing Life Cycle

### Data Warehousing Architecture

- ❖ a) Source
- ❖ b) Integration Layer
- ❖ c) Staging Area
- ❖ d) Target
- ❖ e) Analysis & Reporting
- ❖ IBM WEBSHPERE DATA STAGE VERSION 8.1
- ❖ Contents
- ❖ Introduction about Data Stage
- ❖ IBM Information Sever architecture
- ❖ Datastage within the IBM Information Sever architecture
- ❖ Difference between Server Jobs and Parallel Jobs
- ❖ Difference between Pipeline and Partition Parallelism
- ❖ Partition techniques (Round Robin, Random, Hash, Entire, Same, Modules, Range, DB2, Auto)
- ❖ Configuration file
- ❖ Difference between SMP/MPP Architecture
- ❖ Data stage components (Server / Client components)
- ❖ Package installer

### Using Controls

- ❖ Layouts
- ❖ Phase and Checkpoint
- ❖ Project and Sandbox
- ❖ Sub graphs
- ❖ Deadlocks
- ❖ Continuous Flows
- ❖ Interpreting the Log File
- ❖ Monitoring the Graph
- ❖ Wrapper Scripts
- ❖ Brief intro about EME
- ❖ Brief intro about Shop For Data (SFD)
- ❖ Brief intro about Conduct>It
- ❖ Brief intro about Data Profiler