

# DATASTAGE SYLLABUS

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## Hi Folks,

Oranium Tech introducing some amazing content on DataStage. DataStage provides high-quality data to aid in the gathering of business insight. Large organizations utilize the DataStage ETL tool as a bridge between their many platforms. Extraction, transformation, and loading of data from one location to another are all taken care of by this component. Throughout this DataStage tutorial, we'll cover all of the fundamental aspects that a DataStage expert needs to know.

## Objectives

DataStage is a data integration tool for designing, developing, and running jobs that move and transform data. Infosphere DataStage is the data integration component of IBM Infosphere Information Server.

### 1)Data Warehouse Basics

- An introduction to Data Warehousing
- Purpose of Data Warehouse
- Data Warehouse Architecture
- Operational Data Store
- OLTP Vs Warehouse Applications
- Data Marts
- Data marts Vs Data Warehouses
- Data Warehouse Life cycle

### 2)Data Modeling

- Introduction to Data Modeling
- Entity Relationship model (E-R model)
- Data Modeling for Data Warehouse
- Normalization process
- Dimensions and fact tables
- Star Schema and Snowflake Schemas

### 3)ETL Design Process

- Introduction to Extraction
- Transformation & Loading

- Types of ETL Tools
- Key tools in the market

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