

DATA STAGE:

Data stage is an ETL tool which extracts data, transform and load data from source to the target. The data sources might include sequential files, indexed files, relational databases, external data sources, archives, enterprise applications, etc. Data Stage facilitates business analysis by providing quality data to help in gaining business intelligence.

Data stage is used in a large organization as an interface between different systems. It takes care of extraction, translation, and loading of data from source to the target destination. It was first launched by VMark in mid-90. With IBM acquiring Data Stage in 2005, it was renamed to IBM WebSphere Data Stage and later to IBM Info Sphere.

Various version of Data stage available in the market so far was Enterprise Edition (PX), Server Edition, MVS Edition, and Data Stage for PeopleSoft and so on. The latest edition is IBM Info Sphere Data Stage.

IBM Information server includes following products:

- IBM Info Sphere Data Stage
- IBM Info Sphere Quality Stage
- IBM Info Sphere Information Services Director
- IBM Info Sphere Information Analyzer
- IBM Information Server FastTrack
- IBM Info Sphere Business Glossary

An enterprise uses Data stage in following scenarios:

- Creation and maintenance of data warehouse or DataMart's.
- Data Integration from various sources.
- Data Migration from various sources.

Course Content:

Introduction about Information Stage:

- Difference between Server Employments and Equal Jobs
- Difference between Pipeline Parallelisms
- Partition strategies (Cooperative effort, Arbitrary, Hash, Whole, Same, Modules, Range, DB2, Auto)
- Configuration File
- Difference between SMP/MPD architecture
- Data Stage Parts (Server segments/Customer Components)
- Package Installer

Data Stage Administrator:

- Creating venture, Altering undertaking and Erasing project



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- Permissions to user
- .Apt Config file
- Environment variable creation, permission

Data organize director:

- Introduction to Information organize Director
- Job status View
- View logs
- Scheduling
- Batches Creation

Designer:

- Introduction about Designer
- Repository
- Palette
- Types of Links
- File Stages
- Sequential File

- Data set File
- Lookup document set
- Difference between Consecutive record/Dataset/Document set
- Database stages
- Dynamic RDBMS
- Oracle Enterprise
- ODBC Enterprise
- Stored Procedure

Processing stages:

- Change Catch (Caption)
- Compare stage
- Difference Stage
- Aggregate Stage
- Transformer Stage
- Surrogate Generator Stage
- Join Generator Stage
- Merge Generator Stage



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- Lookup Generator Stage
- Difference between join/Query/Merge
- Difference between join/Lookup
- Remove Duplicates
- Switch
- Pivot
- Modify
- Funnel

Debugging stage:

- Head
- Tail
- Pea
- Row Generator
- Column Generator
- Sample
- Job Parameters



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Manager:

- Introduction About Information arrange Manager
- Importing the Job
- Exporting the Job
- Importing Table Definition
- Importing Level Document Definition
- Routines

Containers:

- Difference between Nearby Holder and Shared Container
- Local Container
- Shared Container

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In addition:

- Interview preparation with mock interview drills
- Effective resume building
- Process of applying jobs at the right places

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