

Datastage Online Training Course Content

Faculty: Real time and certified

(Includes theoretical as well as practical sessions)

Version 8.7

1 DATA WAREHOUSE FUNDAMENTALS

An Introduction of Data warehousing
Purpose of Data warehouse
Data ware Architecture
OLTP Vs Data warehouse Applications
Data Marts
Data warehouse Lifecycle
SDLC

2 DATA MODELING

Introduction of Data Modelling
Entity Relationship Model
Dimensions and Fast Tables
Logical Modelling
Physical Modelling
Schemas like Star Schema & Snowflake Schemas
Fact less Fact Tables

3 PROCESS OF ETL (EXTRACTION, TRANSFORMATION @LOAD)

Introduction of Extraction, Transformation and Loading
Types of ETL tools
Key tools in the market

4 INSTALLATION PROCESS

Windows server
Oracle
.NET
Data stage 7.5X2 & 8x

5 DIFFERENCE

Server jobs & Parallel jobs

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6 COMPONENTS IN DATASTAGE

- Administrator Client
- Designer client
- Director client
- Import/export manager
- Multi client manager
- Console for IBM information server
- Web console for IBM information server

7 INTRODUCTION TO IBM WEB SPHERE DATASTAGE AND QUALITY STAGE 8X

- Data stage Introduction
- IBM Information server Architecture
- IBM Data Quality Architecture
- Enterprise Information Integration
- Web Sphere Data Stage Components

8 DATASTAGE DESIGNER

- About Web Sphere Data Stage Designer
- Partitioning Methods
- Partitioning Techniques
- Designer Canvas
- Central Storage
- Job Designing
- Creating the Jobs
- Compiling and Run the Jobs
- Exporting and importing the jobs
- Parameter passing
- System (SMP) & Cluster system(MPP)
- Importing Method (Flat file, Txt, Xls and Database files)
- OSH Importing Method
- Configuration file

9 PARALLEL PALETTE

DATABASES STAGES

- Oracle Database
- Dynamic RDBMS
- ODBC
- SQL Server
- Teradata

FILE STAGES

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Sequential File

Dataset

Lookup File set

DEV/DEBUG STAGES

Peek

Head

Tail

Row Generator

Column Generator

PROCESSING STAGES

Slowly changing dimension stage

Slowly changing dimensions implementation

Aggregator

Copy

Compress

Expand

Filter

Modify

Sort

Switch

Lookup

Join

Merge

Change Capture

Change Apply

Compare

Difference

Funnel

Remove Duplicate

Surrogate Key Generator

Pivot stage

Transformer

CONTANERS

Shared Containers

Local Containers

10 DS-DIRECTOR

About DS Director

Validation

Scheduling

Status

View logs

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Monitoring
Suppress and Demote the Warnings
Peek view

11 DATASTAGE ADMINISTRATOR

Create Project
Delete Project
Protect Project
Environmental variables
Auto purge
RCP
OSH
Commands Execute
Multiple Instances
Job Sequence Settings

12 JOB SEQUENCE AREA

Job Activity
Job sequencer
Start loop Activity
End loop Activity
Notification Activity
Terminator Activity
Nested Condition Activity
Exception handling Activity
Execute Command Activity
Wait for file Activity
User variable Activity
Adding Check Points
Restart able

13 IBM WEB SPHERE QUALITY STAGE

Data Quality
Data Quality Stages
Investigate Stage
Standardize Stage
Match Frequency Stage
Reference Match Stage
Unduplicated Match Stage
Survive Stage
Viewing audit details in operational DASHBOARD reports

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KEY SERVICE

FAQS

Covering DBA concepts
Concentration on performance tuning
Real time scenarios
Certification guidance
Resume preparation
Sample resumes
Interview & certification FAQS
How to face the interview
Class notes which is useful for who is trying for job
Project preparation

Smart Mind's