



Ab initio Training Course Content

Introduction to Data warehousing

- What is Data warehousing
- Architecture of Data warehousing
- Definitions
- ETL Process
- Types of Tables in D/W
- Types of FACTS tables
- Types of DIMENSION tables
- Types of Schemas in D/W
- What is Data Mart
- Warehouse Approaches

Data Modelling

- Introduction to Data Modelling
- Entity Relationship model (E-R model)
- Data Modeling for Data Warehouse
- Dimensions and fact tables
- Star Schema and Snowflake Schemas
- Coverage Tables
- Fact less Tables
- What to look for in modeling tools
- Modelling tools

ETL Design process

- Introduction to Extraction, Transformation & Loading
- Types of ETL Tools
- What to look for in ETL Tools
- Key tools in the market
- ETL Trends & New Solution Options

Ab Initio

Introduction to Abinitio Abinitio Architecture Graph Programming

Introduction to .dat and .dml files Partition Components

- Braod Cast
- Partition by Expression
- partition by range
- partition by community
- partition by percentage
- partition by Round Robin

Departition Components

- Concatenate
- Gather
- Interleave
- Merge

Multifile System (MFS) Types of parallelism Layouts Sort Components

- Sort
- Sort with in groups
- Sample
- Partition by key and sort

Transform Components

- Filter by expression
- Aggregate
- Scan
- Rollup
- Denormalize Sorted
- Normalize
- Reformat
- Match sorted
- Dedup sorted

Working with Databases Database components

- Run SQL
- Input Table
- Output Table
- Truncate Table
- Update table

Phase and check Points Miscellaneous component

- Gather logs
- Run program
- Redefine format
- Trash
- Replicate

Dataset Components

- **Input File**
- **Output File**
- **Lookup File**
- **Intermediate File**

FTP Components

- FTP From
- FTP To

Compress Components

- Compress
- Uncompress
- Gzip
- Gunzip

Validate Component

- Check Order
- Generate Records
- Generate Random bytes
- Compare Records

- Compute Check Sum
- Compare Check Sum

Translate components

- Record XML
- Write XML

Project and Sandbox Performance Tuning

GREENS TECHNOLOGYS



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