

AB INITIO COURSE COVERAGE

Data Warehousing Basics

1. Technology Life cycle
2. OLTP Vs. OLAP Based Systems
3. Datawarehouse Vs. Datamart
4. ETL Architecture
5. Dimension & Facts
6. Slowly changing Dimensions
7. Dimensional Data Modelling

Ab Initio – An Introduction

Ab Initio Products – An Overview

Unix - An Introduction

1. Unix Architecture
2. Comparative study between Windows & Unix to remember commands easily
3. Creating, Executing & Debugging shell scripts

Ab Initio Architecture

Parallelism in Ab Initio

GDE Overview

Establishing Connection from GDE to Co Op

Data Manipulation Language

Different source system & record format types

Dataset/Database Components – Hands on with the Files/Tables creation required for scenarios

1. Input/ Output File/Table
2. Lookup File
3. Run SQL
4. Truncate Table
5. Update Table
6. Read Multiple files
7. Write Multiple files

Transform Functions – User Defined Vs Predefined

Sort Components – Hands on with real time retail warehouse scenario

1. Sort
2. Dedup Sorted
3. Find Splitters

Transform Components – Hands on with real time retail warehouse scenario

1. Reformat
2. Filter By Expression
3. Scan
4. Rollup
5. Join
6. Fuse
7. Normalize
8. DeNormalize

Vectors & Records – Vector Types, Functions, Record Vector, Predefined vs User defined types
Dataset Components Contd.

1. Read/Write Excel

Internet Components

1. FTP/SFTP TO
2. FTP/SFTP FROM

Miscellaneous Components – Hands on with real time retail warehouse scenario

1. Generate Records
2. Create Data
3. Replicate
4. Redefine
5. Run Program
6. Trash

Phases & Checkpoints

Debugging – Tips & Tricks

Multifile System

Partition Components – Hands on with real time retail warehouse scenario

1. Partition By Key/Key & Sort
2. Partition By Expression
3. Partition By Range, Find Splitters
4. Partition By Round Robin

DePartition Components – Hands on with real time retail warehouse scenario

1. Gather
2. Merge
3. Concatenate
4. InterLeave

Parameters – An Introduction, Types, Interpretation

Dynamic Programming - Parameter Definition Language & Meta Programming

Meta Programming Functions

Dynamic Programming Case study

1. To add/remove fields in record format
2. To create transformation rules
3. To create transformation rules & record format for flatten nested records

PSET creation & execution

Generic graphs & components

Introduction to wrappers

Rollback & Recovery Mechanism

Performance Tuning

Useful Ab Initio commands – m_dump, m_eval, m_wc, m_cp, m_db , etc

Introduction to EME – Code Check In/Check Out, Versioning & Tagging, Save Files & Promotion using air commands, Upstream/Downstream Analysis

Job Scheduling using Autosys