

## AB – INITIO CONTENTS

### **Products of Ab-Initio Software Corporation**

- The Ab-Initio co operating system
- Graphical development environment(GDE)
- Enterprise Metadata Environment (EME)
- Salient features of Ab-Initio
- Understanding the high level Architecture

### **1.What is the anatomy of running a job?**

#### **When we push run button**

- Deployment process
- Host process creations
- Agent process creation
- Component process creation
- Successful component termination
- Agent termination
- Host termination
- Abnormal component termination

### **2 How do we connect from G D E to the server (settings)**

- Host profile file (.aih)
- Connection co operating system to the directory.

### **Ab-Initio introduction and advanced topics**

1. What is graph programming? What are the basic parts an Ab-Initio graph?
2. Broad classification of components
  - Data set component
  - Program/computing components
3. Data manipulating language (DML)
  - DML expressions
  - Transform functions
  - Key specifiers
- 3 how do we build a basic Ab-Initio graph use file & DML ( record format file)

➤ **Data set components**

- input file
- out put file
- intermediate file
- look up file

**Editors in the G .D. E.**

- record format editor
- expression editor
- transform editor
- key specifier editor
- package editor
- variables editor
- sequence specifier editor

**Transform functions**

- transform file (.xfr)
- functions variables statements & rules
- transform components multistage

**Advanced components**

- filter by expression
- Dedup sorted
- Reformat
- aggregate
- scan
- roll up
- join
- Match sorted
- normalize
- De-normalize sorted

**Rep-Partitioning when & why Key out implementations**

**Sort components**

- **Sort**
- **Sort with in groups**
- **Sample**

- **Partition by key & sort**

## **Look up datasets & dml look up functions**

### **Partition components**

- Broadcast
- Partition by key
- Partition by expression
- Partition by percentage
- Partition by range
- Partition by round bin
- Partition with load balance

### **Multi-miles and multi-directives De-partition components**

- Concatenate
- Gather
- Interleave
- Merge

### **What are parallelism types?**

- Components
- Pipeline
- Data

## **Working with database Introduction database Configuration files (.dbc)**

### **Interactive database components (I.D.B)**

- Input table
- Output table
- Run sql
- Truncate table
- Update table
- Join with DB

### **Miscellaneous components**

- Redefine format
- Gather logs
- Replicate
- Run program

## **Deprecated components Find splitters**

### **Compress components**

- Compress
- Uncompress
- Gzip
- Gemzip

### **File transfer protocol (ftp) components**

- FTP from
- FTP to

### **Testing & validation of Ab-Initio graph using components**

- Check order
- Compare records
- Validate records
- Generate records
- Generate random bytes
- Compare check pointing
- Phasing & check pointing
- Reusability features
  - Sub graphs
  - Graph parameters
- The Ab-Initio Enterprise Meta Environment
- High level anatomy of the EME
- Relation to sandbox environment
- Checking out a graph or a sandbox
- Locking in order to change an object
- Tagging
- Common projects

### **Dependency & impact analysis Performance tuning Ab-Initio graphs**

#### **What is good performance?**

- Going parallel
- Serial inputs
- Phases
- Record formats & components
- Memory usage
- Various tips

### **Terminations**

- Agent
- Component
- Successful
- Agent terminate
- Host terminate
- Abnormal comp on.