

# Abinitio Course Contents

1. Introduction to AbInitio.
2. Architecture.
3. Co-operating System
4. Introduction to Abinitio Suite which covers-
  - Express IT(ACE & BRE)
  - Control Center
  - Query IT
  - Continuous flows.
  - Abinitio GDE.
5. Graph Programming in GDE.
  - Introduction to .dat and .dml objects.
  - Sanbox creation.
  - Setting up connection to database.
  - Creation of data directories.
  - Explaining various components-
    1. Partition Components
      - Partition by Expression
      - Partition by key
      - Partition by Round Robin
      - Broadcast
      - Partition by Key and Sort.
    2. De Partition Components
      - Concatenate
      - Gather
      - Merge
      - Interleave
    3. Sort Components
      - Sort
      - Sort within groups

#### 4. Transform Components-

- Filter by expression
- Scan
- Rollup
- Denormalize.
- Normalize
- Reformat
- Dedup sorted.
- Create data
- Meta Pivot
- Expanded Rollup
- Scan with rollup
- Join( left outer, full outer and right outer join)
- Lookup
- Miscellaneous

#### 5.Database components

- Run SQL
- Input Table
- Output Table

#### 6. Miscellaneous components

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

#### 7. Datasets components

- Input File
- Output File
- Lookup File
- Intermediate File
- Read multiple files
- Write multiple files

- Write sandbox files

#### 8. File Transfer components

- FTP From
- FTP To
- SFTP TO
- SFTP FROM
- SCP

#### 9. Compress components

- Compress
- Uncompress
- Gzip
- gunzip

#### 10. Validate components (Testing)

- Generate Records
- Dynamic Compare Records
- Create data

#### 11. Translate components

- Record XML
- Write XML

#### 12. Web Service Component

- Introduction to SOAP.
- Call Web Service.
- wsdl to dml utility

#### 13. Hadoop Component-

- Read HDFS
- Write HDFS

#### 6. Utilities in Abinitio-

- dml to cobol

- wsdl to dml
- xml to dml

#### 7. Introduction to Metadata Programming.

- Writing metadata functions.

#### 8. Introduction to SCD I and SCD II and SCD III .

- Implementation of CDC.

#### 9. Live Project-

- Project creation
- Deploying end to end application (GET, MAP, CDC & LOAD)
- Performance tuning.