

# 1<sup>st</sup> Elecose IT Training

## SAP BI Course Contents

### Introducing Data Warehouse

#### OLAP

- **OLAP v OLTP : The OLAP Concept and differences between OLAP and OLTP**
- **OLAP Functions : Aggregation, Currency Translation, Report-to-Report Interface**
- **Meta Data Repository : Searching for MetaData**

### Introducing SAP BI

- General Introduction.
- SAP introduction.
- Data warehousing/ BW/ BI Introduction
- Master data; Attributes, Texts, and Hierarchies.
- Standard Naming conventions in SAP and BI.

### Data Modelling

#### Info Objects

- Characteristics
- Key Figures

#### Data Flow (Transformation, Info Sources, Data Sources)

- Dataflow in BI
- Transformation Process
- Datasource and Infosources 3.X
- Emulated Datasources 3.X

#### Info Provider (Info Cubes, Multi Providers, Virtual Provider, Data Store Objects, Info Sets, Info Objects, Direct Access)

- Infocubes
- DSOs
- Virtual Providers
- Multi providers and BI Infoset
- Direct Access

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## Performance Tuning (Aggregates, Query Performance, BI Accelerator)

- Aggregates
- Query Performance
- BI Accelerator

## Scheduling & Monitoring (Process Chains, Real Time Data Acquisition, Data Load Monitor)

- Process chains
- RDA

## Meta Data (Meta Data Repository, Remodeling Toolbox, BI Content)

- Meta Data Repository
- BI Content
- Remodeling Toolbox

## Source Systems (UD Connect, Service API, Flat File, DB Connect) & DTP

- Service API
- Flat File, BI Infosource and DTP (TBW 10 Unit 4 Page 260-318)
- DB Connect

## Data warehousing/Dimensional modeling & SAP BW 7.3 Concepts

### Database Concepts needed for Data warehousing

#### Defining extraction

- **For SAP source systems:** Creating Generic DataSource and maintaining SAP delivered DataSource
- **Or for files:** Creating DataSources for File Source Systems

### Metadata and Document Management

- **BI Content:** Definitions, How to install BI contents

#### Defining transformations

- Transformations and different scenarios

#### Defining the data flow

- Creating data transfer processes

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- Creating process chains

### Performance in depth

- **Data Model for Performance:** Line Item Dimensions, Navigational attributes, Time-Dependent.
- **BW Statistics:** Query Analysis Tools, Performance Tables.
- **Reporting Performance:** Effective query design, Line-Item, Compression.
- Partitioning.
- Introduction to Aggregates.
- **Data Load Performance:** Parallelism, Impact of Aggregates.