



# ERP BW / BI

**What is SAP BI?**  
**Why SAP BI?**  
**How SAP BI?**

## **BI - Enterprise Data Warehousing**

- Architecture of SAP NetWeaver BI 7.0
- Introduction to SAP R/3 (ECC).
- Introduction to BI Architecture.
- Multi dimensional Modeling, Star Schema, BW extended Star Schema

**Master Data in the Real Business.**  
**Transaction Data in the Real Business.**

### **MODELLING:**

#### **Defining BI Data Target Objects:**

##### **InfoObjects:**

Attributes  
Texts

##### **InfoCubes:**

Standard InfoCubes  
Virtual InfoCubes

##### **Data Store Objects (DSO):**

Standard DSO  
Write Optimized DSO  
Direct Update DSO



### **Source Systems:**

- File
- SAP
- Database
- Web Service

### **Data Sources:**

- Data Source for Flat File
- Data Source SAP Systems.
- Data Source for Data Base System.
- Data Source Web Services.

### **Extraction BI Objects:**

- Inserting Characteristic as an info provider
- InfoPackage
- Data Transfer Process

### **Other SAP BI Objects:**

- InfoProviders
- InfoSource
- MultiProviders
- Transformation
- InfoSets
- Aggregates

### **Down Stream BI Objects:**

- Open Hub Destination

### **Designing Data Flow Design and Loading of Master Data into BI from FLAT FILE:**

- Data Flow Design to load Master Data Attributes into InfoObject using Flat Files.
- Data Flow Design to load Master Data Texts into InfoObject using Flat Files.

### **Designing Data Flow Design and Loading of Transaction Data into BI**

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\*Course content is subject to theory or practical, conditions apply

\* Course coverage is as per our syllabus



**from FLAT FILE:**

- Data Flow Design to load Transaction Data into InfoCubes using Flat Files.
- Data Flow Design to load Transactional into InfoCube through DSO using Flat File.

**SAP BI Content:**

- Benefits and use of the business content
- Introduction to administration of BI data targets
- Transports and Landscapes

**BEx – Reporting:**

**Query Design and Query Analyzer:**

- Architecture and functions of the SAP BI Analysis Tools
- Creating Query Definitions with the BEx Query Designer
- Analyzing the Query in the BEx Analyzer
- Filters and
- Free Characteristics
- Exceptions and
- Conditions
- Calculated Key Figures and
- Restricted Key Figures
- Variables ( Characteristic based single values)
- Variables ( Characteristic based multiple single values)
- Variables ( Characteristic based interval values)
- Variables ( Characteristic based select option values)
- selection
- Formulas

**SAP R3 ECC- BI Extraction:**

**SAP BI Content:**

- Standard InfoObject
- Standard InfoCub
- Standard DataStoreObject
- Collecting Objects
- Grouping Objects
- Installing Objects



Components of the data flow and extracting data from SAP Source Systems in the BI

**Various types of Standard R3 Extractions:**

- Master data Extraction.
- Extraction from Master Data Table.
- Transaction Data Extraction.
- Extraction from SD and FI

**Generic Extractions from SAP R3 System:**

- Master data Extraction.
- Extraction from Master Data table.
- Transaction Data Extraction.
- Extraction from Transaction Data Table.

**BI – Performance Tuning:** Reporting and support

- Effective query design, Compression, Partitioning
- Aggregates: Creating Aggregates.
- Infocube Partitioning,
- InfoCube Remodeling

**BI – Miscellaneous Topics:**

- Interview tips and Mock interviews

**Program duration :** 60 Hrs.(Theory)

**Max Duration :** 2 Months includes (Lab Practice, Resume/Interview preparation, FAQ's, Technical Module Overview)