

SAP (BI/BW 7.4) Course Content.

Introduction:

BI Introduction (SAP/OLTP vs OLAP/Types of Data/Architecture).

Data Modeling:

- InfoObjects: Definitions.
Types: Characteristics, Key Figures (cumulative/Non-Cum), Time, and Unit.
- Data sources/Application component/Info area/Info objects Catalogue etc.).
- PSA-Maintenance scheduling the data.
 - Data Packet by Packet.
 - Scheduling in background.
 - PSA-Processing Types
 - Monitoring & scheduling data loading
 - Scheduling the jobs on periodic values
 - Cancellation & Deleting the background jobs.
- Transformation.
- Info package.
- DTP (Data transfer process)
- Types: Standard/Direct access/Error/RDA.

Info providers: SAP BI 7.0

- Info object.
- DataStore Objects (DSO)

Types: Standards, Write optimized, Direct update.

- Indexes
- Info sources.
- InfoCubes: Definitions

Types: Standard/Real time/Virtual Infocube. Design of Infocube: Extended Star Schema.

- Precautions to designing info cube.
- Line Item Dimensions.
- Selective deletion.
- Transformation Rule Types.

Types of Attributes (Display/Navigational/Compound/Time Dependent etc.)

- Info Set.
- Multi Providers and selections.
- APD (Advanced Planning Optimizer).

Open Hub Destination/Info spoke.

Data flow/Where used list.

- Remodeling/Re-Partitioning.
- SAP BI Content (Installation standard BI Objects).
- Meta data repository.

Info providers: SAP BW 7.4

- Semantically partitioned DSO
- Semantically partitioned Info Cube
- Hybrid Provider Based on a DataStore object.
- Hybrid Provider Based on Virtual info provider.
- Composite Provider.

Business Explorer.

- Bex Query Designer
- Rows, Columns, Free characteristics.
- Properties(Char/Keyfig/Query).
- Filter
- New Selection
- New Formula
- Restricted key figure
- Calculated Key figure
- Exceptions and conditions.
- Attributes.
- Structures
- Cells
- All Types of Variables
- Offset Variables.
- Variable Processing Types
- Report to Report Interface(RRI)
- Bex Analyzer.
- RSRT T-code.

Extraction (Master and Transaction Data).

- Flat File.
- ECC:
- Generic Extraction.
- LO Extraction.
- FI Extraction.
- Repair full request.

Support activities:

- Process chain and Processing types.
- Types of Process chains.
- Monitoring/scheduling of PC.
- How to handle Errors by PC.



**Loading/Performance
Optimization:**

- Aggregates.
- Partitions, Compression, Line Item Dimensions.
- Rollup, Dimensional Design Analysis, Indexes.
- Transport Request Management (Creation/Collection/Release/Unlock).

Sap BI+ABAP:

- Routines (Start/Field/End/Expert Routine).
- Customer exits.
- Data source Enhancements.
- Function module based Generic Data source.

Real time

- Roles and Responsibilities in Dev. /Support Project.