

SAP (BI/BW 7.4) Course Content.

<p><u>Introduction:</u></p> <p>BI Introduction (SAP/OLTP vs OLAP/Types of Data/Architecture).</p> <p><u>Data Modeling:</u></p> <ul style="list-style-type: none"> ➤ Info Objects: Definitions. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> • Data Packet by Packet. • Scheduling in background. • PSA-Processing Types • Monitoring & scheduling data loading • Scheduling the jobs on periodic values • Cancellation & Deleting the back ground jobs. ➤ Transformation. ➤ Info package. ➤ DTP (Data transfer process) ➤ Types: Standard/Direct access/Error/RDA. <p><u>Info providers: SAP BI 7.0</u></p> <ul style="list-style-type: none"> ➤ Info object. ➤ DataStore Objects (DSO) <p>Types: Standards, Write optimized, Direct update.</p> <ul style="list-style-type: none"> ➤ Indexes ➤ Info sources. ➤ Info Cubes: Definitions <p>Types: Standard/Real time/Virtual Info cube. Design of Info cube: Extended Star Schema.</p> <ul style="list-style-type: none"> ➤ Precautions to designing info cube. ➤ Line Item Dimensions. ➤ Selective deletion. ➤ Transformation Rule Types. <p>Types of Attributes (Display/Navigational/Compound/Time Dependent etc.)</p> <ul style="list-style-type: none"> ➤ Info Set. ➤ Multi Providers and selections. ➤ APD (Advanced Planning Optimizer). 	<p><u>Open Hub Destination/Info spoke.</u></p> <p><u>Data flow/Where used list.</u></p> <ul style="list-style-type: none"> ➤ Remodeling/Re-Partitioning. ➤ SAP BI Content (Installation standard BI Objects). ➤ Meta data repository. <p><u>Info providers: SAP BW 7.4</u></p> <ul style="list-style-type: none"> ➤ Semantically partitioned DSO ➤ Semantically partitioned Info Cube ➤ Hybrid Provider Based on a DataStore object. ➤ Hybrid Provider Based on Virtual info provider. ➤ Composite Provider. <p><u>Business Explorer.</u></p> <ul style="list-style-type: none"> ➤ 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. <p><u>Extraction (Master and Transaction Data).</u></p> <ul style="list-style-type: none"> ➤ Flat File. ➤ ECC: ➤ Generic Extraction. ➤ LO Extraction. ➤ FI Extraction. ➤ Repair full request. <p><u>Support activities:</u></p> <ul style="list-style-type: none"> ➤ Process chain and Processing types. ➤ Types of Process chains. ➤ Monitoring/scheduling of PC. ➤ How to handle Errors by PC.
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<p><u>Loading/Performance Optimization:</u></p> <ul style="list-style-type: none">➤ Aggregates.➤ Partitions, Compression, Line Item Dimensions.➤ Rollup, Dimensional Design Analysis, Indexes.➤ Transport Request Management (Creation/Collection/Release/Unlock).	<p><u>Sap BI+ABAP:</u></p> <ul style="list-style-type: none">➤ Routines (Start/Field/End/Expert Routine).➤ Customer exits.➤ Data source Enhancements.➤ Function module based Generic Data source. <p><u>Real time</u></p> <ul style="list-style-type: none">➤ Roles and Responsibilities in Dev. /Support Project.
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