



BW-BI-BO

BW 3.5 BI 7.0 BW 7.3 7.4 & BO 4.0.4.1 BW POWERED by HANA

R/3 Architecture.
andscape of SAP.
BW – Introduction, DWH Introduction
SAP Business Warehouse concepts and Overview
Different Source Systems
Star Schema and Extended Star Schema
Difference between OLAP and OLTP Processors

3.x Objects

Info area
Info object Catalog
Info Objects
Application component
Info source
Data source
Transfer rules
Communication structure
Update rules
Info Cubes
ODS
Info Package

7.X Objects

Info Area
Info Object catalog
Info objects
Data source
Source system
Application component
Data source
Transformations
Info Cube
DSO
Info package
DTP

Flat file extractions (3.x & 7.x)

Master data extraction
 Attribute
 Text
 Hierarchy
Transaction data extraction
 To DSO
 To Info Cube
 DSO to Info Cube
Data Flow difference between BW3.x and 7.X
Migration Strategy from BW3.X to BW7.X
Data mart concept.

Info Providers: (3.x & 7.x)

Info Objects
Introduction to InfoCubes
Types of InfoCubes .
 Standard InfoCube
 Real time Infocube
 Virtual Providers

Introduction to Datastore Object(DSO)

Types of DSO's .
 Standard DSO
 Direct-Update DS
 Write Optimized DSO
Multi Providers & Info set

Analysis Process Designer

Transformations

Introduction to Transformations
Transformation Rule types (Direct assignment, Routines, Initial value, Time Distribution, No update, Constant, read master data, Read from DSO)
Transformation Rule Groups

Open Hub Destination

Destination As Table(Local & Application server)
Destination As Data Base Table.
Concepts of Info spoke(in 3.x)

Re-modeling

Error Stack

Process Chain

Introduction to Process Chain
Creating Master Data Process Chains
Creating Transactional Data Process Chain
Scheduling Process Chains
Creating Meta Chain
Monitoring process chains
Removing from schedule and rescheduling the process chains

Performance Management

Types of Performance Optimization Techniques
Backend or Data Loading Performance Techniques
Deleting Indexes.
Line - item Dimension&High cardinality
Aggregates & Collapse.
Partitioning & Re-Partitioning
DB Statistics
BI Performance Tuning Activities

Transportation

Introduction to Transportation.
BW system Landscape
Creating of Package and Transport requests
Collecting the objects in BW across the Landscape
Transporting the Objects across the BW Landscape
Deleting and reimporting Transport requests.
Finding transportation Logs and return cods.
Transportation error and Solutions



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ABAP for BW

Introduction to ABAP.
Creating Tables
Creating views
Concepts of Routines and Types of Routines
Field Level Routine, Start Routine, End Routine and Expert Routine

BI Content

Introduction to Meta Data Repository
Introduction to Business content
Grouping & Collection Mode options in BI Content
Finding proper Object in Business Content and Installing Objects.

REPORTING

BEx Query Designer & BExAnalyser.
Restrictions
Variables
Conditions
Formulas
Calculated key figures
Restricted key figures
Selections
Exceptions
Filters.
Free characteristic
Structures
Query monitoring
Navigational Attributes.
Display Attributes.
Assigning hierarchy to Query.
RRI
Publish a SAP BI Report

Extractions

SAP Business content – Extraction

Introduction to Business Content Extraction
Master data Extraction (Attribute, Text & Hierarchy Data)
Transaction data Extraction.

Generic extraction

Generic Data Extraction using-Table, View, Infoset
Query & Function Module
Delta Setup in Generic extraction using Generic Delta (extraction Using Time stamp, calendar day, Numeric Pointer)

Logistic Data Extraction

Introduction to Logistic Extraction.
Update methods - Direct delta, Queued delta & V3
Un serialized delta.

Controlling and Profitability Analysis Extraction

Functionality of Cost based & Account Based in CO-PA
Extraction
CO-PA Extraction

SAP BW 7.3

New options in RSA1 screen
New Master Data Deletion
Graphical Data flow modelling option in RSA1 screen
Data Flow generation wizard
Migration of 3.X data flow to 7.X data flow
New options in Info Area Context Menu
New options in Create / Edit DSO screen
New options in Create Infocube screen
New Options in DSO.
New options in Transformation.
New options in DTP Extraction Tab & Execute Tab.
Delta Init without Data
Parallel Extraction
Semantic Partitioned Objects
More options while creating Multi Providers
Data Extraction from Multi Provider
Version Management
DB partitioning for DSO
Use of Navigational attributes as source fields in transformations

SAP BW 7.4

Features of BW 7.4 Powered by HANA
Overview SAP BW 7.4 on SAP HANA and further Roadmap
Eclipse based Modeling Tools
Maintenance Composite Provider
SAP HANA optimized Transformations.

SAP BW POWERED BY HANA

Introduction to HANA
Landscape
Features of HANA
SAP HANA-Optimized Data Store Objects
SAP HANA-Optimized Info Cubes
Consumption of SAP HANA models in BW on HANA
Mixed Scenarios

UAT Activities in Real-Time.

How to Check BW system Before Go-Live

BW, BPC Integration Concepts.



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SAP BO 4.X

Introduction to SAP BO
Importance of BO
Architecture of Business Objects 4.X

BI launch pad

What is BI launch pad
Log on to and off of BI launch pad
Access other applications
Create a folder
Upload a local document
Copy or move a document
Assign a document to a category
Delete a document
Create a category
Create a shortcut to a document
Working with Documents in BI Launch pad (viewing, exporting & Schedule)

Information Design Tool

Concept – What is Information Design Tool
Concept - Navigate the interface
Concept - Create a universe
Concept - Create joins
Create a universe using the Universe Wizard
Create a project
Create a connection to a relational database
Create a data foundation based on a single source relational database
Create a business layer based on single relational data source
Publish a universe
Create a connection to an OLAP data source
Create an OLAP connection to SAP BW using BICS
Create an equi-join, theta join, outer join & shortcut join
Create a calculated column using string values, data value & numeric values

Central Management Console

Overview of CMC
Creating and managing users and groups
Publishing objects and applications
Scheduling and managing Web Intelligence Reports, Crystal Reports.
Managing Universes and Universe connections.
Create OLAP Connections to BW

Web Intelligence

Concept - What is SAP Business Objects Web Intelligence
Concept - Navigate the interface
Concept - Describe how the semantic layer works
Create a query

Run and save a query
Edit a query
Create a query based on an Excel file
Create a query based on an OLAP universe
Create an input control for a document
Select a subset of data based on a predefined filter
Select a subset of data based on a custom filter

Query as A Web Services (QAAWS)

Introduction to QMWS .
Creating a QAAWS using Universe source

Crystal Reports For Enterprise

Overview of Crystal Reports Enterprise
Navigate the interface
Create a reports
Working on semantic layer
Connecting to a universe
Exporting reports
Working with Filters, Running Totals, Parameters,
Designing report using SAP BW system
Connect to SAP HANA using a relational connection
Creating different type of chart
Scheduling and Distributing Crystal report

Dashboards

An overview of SAP BO Dashboards.
How Dashboard Design tool works
Components of Dashboards tool
Creating Interactive and colorful Dashboards
Dashboard design on top of SAP Bex Query
Dashboard design on top of Excel source
Dashboard design using BO IDT Universes
Static Dashboard
Dynamic Dashboard
Alerts based dashboard

Lumira

Overview of SAP Lumira
Connections - SAP Lumira
Exploring Data with SAP Lumira
Data Preparation in SAP Lumira
Visualization with SAP Lumira
Composing Stories Board
Sharing Dataset, Visualization and Stories