



Course : BI 7.0 as Application of Netweaver 2004s
Type : Hands-On Training

Come and learn the exciting Business intelligence (BI) capabilities of Netweaver 2004s. From Enterprise Data Warehousing to BI Suite and BEx Web to Performance enhancement through the new BI Accelerated Index, this course uncovers the powerful features of SAP's latest technology.

In BI 7.0 course, you will learn how SAP's Business Intelligence solution allows you to convert data into valuable information through hands on practices backed by extensive study material. Through the Data Warehousing Workbench, practice Data Modeling, Data Acquisition and the new Transformation Procedures, to name a few. Also, discover how Integrated Planning of BI has revolutionized and eased the decision-making process.

Enterprise Data Warehousing

Introduction

1. General Introduction.
2. SAP introduction.
3. Data warehousing/ BW/ BI Introduction
4. Master data; Attributes, Texts, and Hierarchies.
5. Standard Naming conventions in SAP and BI

Data Modeling

- InfoObjects: Definitions
 - Types: Characteristics, Key Figures, Time, and Unit.
- InfoCubes: Definitions.
 - Types: Standards, real time, remote.
 - Design of Infocube: Star Schema concepts. Precautions.
- DataStore objects (DSO):
 - Types: Standards, Real time.
- InfoSets
- MultiProviders: Scenarios to create Multiproviders.
- Infocube VS DSO

Metadata and Document Management



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

Defining extraction

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

Defining transformations

- Transformations and different scenarios.

Defining the data flow:

- Creating data transfer processes
- Creating process chains

Scheduling and monitoring:

- Checking process chain runs
- Monitor for extraction processes and data transfer processes

Performance optimization:

- Creating the first aggregate for an InfoCube
- Using the BIA index maintenance wizard

User management:

- Setting up standard authorizations
- Defining analysis authorizations

Transports:

Real business scenarios on different system environments, Moving objects from one system to another.

BI SUITE: Business Explorer

BEx Query Designer



- Queries: New queries, Restricting Characteristics, Formulas and Exception Cells
- Query Design: Defining Exceptions, Conditions, Restricted and Calculated KeyFigures
- Variables: The Variable Wizard, Variable Types and Processing Types, query Properties
- Component Properties: Properties of Characteristics, Attributes, Structure, Formula, KeyFigures
- Structures: Creating Re-usable structures
- Functions on BW Server: Copying queries between Cubes, Deleting Query Elements

Web Application Designer

- WAD: Functions of WAD, Web Items Window, Template Window, Properties Window
- Web Applications: Creating Web Applications, Settings, Stylesheets, Symbols and Properties
- Design: Designing the Layout of Web Templates, working with Library for Web Items
- Web Items: Tables, Filters, Checkboxes, Dropdown Box and other web items and their attributes

Activities

- BEx Analyzer
- BEx Web Application Designer
- BEx Report Designer

BI Platform

- Information Broadcasting
- Functions of the Broadcaster: Precalculating and Exporting into Enterprise Portal
- User Guide: Distributing Queries and Web Templates, Scheduling Broadcasting Settings
- Example Scenarios: Monthly Sales Reports, Ad-hoc Distribution Options.

OLAP

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

Career Related Support

- Resume Building with sample resumes



- Frequently asked interview questions
- Common Production Issues

Advanced Topics

Hot Bonus Topics:

- Overview of Planning with SEM-BPS.
- Architecture of BPS components.
- Planning Models (Planning Area, Planning Level, Planning Functions, Planning Layouts, Packages).
- Characteristic relationships, Variables.
- Data Slice
- Web Interface and Planning Folders.

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
- Aggregates: Creating Aggregates, Finding effective aggregates
- Data Load Performance: Parallelism, Impact of Aggregates
- Partitioning: Logical Partitioning, Table Partitioning.