



SAP- Netweaver BI7.0 - COURSE CONTENTS

Duration : 7 Weekends (Sat & Sun : 4 Hours Each Day)
No. Of Hours : 56 Hours.

Introduction

- Data Warehouse Introduction
- BW / BI Introduction
- SAP Landscape
- OSS
- Standard Naming convention in SAP- BI
- Discussion Groups

Part I: Data warehousing

Unit 1: Data warehouse concepts and Overview

- OLTP Vs OLAP
- ETL
- Star Schema
- Snow Flake Schema
- Data Warehouse and Datamart
- Measures, Dimensions and Facts
- Level and Hierarchy
- Slowly Changing & Confirmed Dimensions
- Aggregates, Aggregation Strategy, Compression Ratio, Indexing Strategy

Unit 2: Business Warehouse Concepts and Overview

- Business Warehouse Architecture
- Extended Star Schema
- DIM / SID Tables
- Data Storage
- Data Acquisition
- Reporting and Analysis Tools

Part II: Data Modeling

Unit 3: Info Objects of Business Warehouse

- InfoArea ,Info Object ,InfoObject Catalog
- Info Object Definitions : Characteristics , Key Figures, Time and Unit
- Dimension / Key Figures

Unit 4: Data Storage of Business Warehouse

- Basic Cube / Transactional Cube
- Virtual/Remote Cube



- Multi-Provider
- ODS / Data Store Object (DSO)
- PSA
- Aggregates
- InfoSets
- Non-R3 Data Module
- Compression
- Indexes and Partition

Unit 5: Understanding Business Content

- Business Content, How to install BI contents.
- FIGL/FIAP/FIAR Business Contents

Part III: Extraction, Transformation and Loading

Unit 6: ETL Overview

- R/3 Data ETL Process
- Flat File ETL Process
- Monitor
- Source System
- DB connect

Unit 7: Master Data Process

- Master Data (Attributes , Texts and Hierarchies)
- Extract Structure – DataSource/Transfer Structure
- Communication Structure
- Transfer / Update Rules / Transformations
- Hierarchies
- Info Package

Unit 8: Transaction Data Process

- R3 / Flat File Data
- Delta Extraction
- Standard BC
- Custom Table Extraction
- Creation of Data Transfer Process (DTP)
- Info Package
- Process Chain
- InfoSpoke

Part IV: Reports and Analysis Tools

Unit 9: BEx Query Designer

- Queries, Tabular Queries
- Query Properties
- Variables: variable wizard , variable types and processing types.



- Restricted Key Figures
- Calculated Key Figures
- Structures: creating re-usable structures
- Cell Definition
- Conditions and Exceptions
- Query Copy/Delete between cubes.

Unit 10: BEx Web Application Designer

- WAD: Functions, web item window, template window, properties window
- Role Menu
- Creating web applications, settings, style sheets , symbols and properties.
- Web Items: Tables, Text Box, Filters, Drop down box, Graph, etc.
- Web Analyzer
- Information Broadcasting
- Report to Report Interface – RRI
- Hierarchy Reporting

Unit 11: BEx Analyzer

- Workbook
- Queries
- Personalize Variables
- Data Area and Query Area

Unit 12: BEx Report Designer

Unit 13: Portal Interface

- Web Template iView Creation
- Publish Web Template in the portal

Part V: Admin & Security

Unit 14: Admin & Security

- User Management
- Roles & Responsibilities
- Authorization Object
- Performance Tuning : Data Loading Performance ,Query Performance
- Transports Organizer : Real business scenario on system Environment and moving objects from one system to another.
- BW Statistics / Admin Cookpit

UNIT 15: Advanced / general topics

- ASAP Methodology, Implementation methods for SAP and Typical project Management
- OSS Notes
- Service marketplace
- Business Analysis techniques

Reference Books

Reference material will be provided during the Sessions.