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WILLPOWER

Technologies

SAP-BW/BI OVERVIEW.

Data warehouse overview

- Understanding Data Warehouse Methodology
- ERM
- MDM
- OLTP Vs OLAP
- DSS Functionality

BW-Overview

- Overview of the BW structure
- Overview of the SAP data warehousing strategy
- Business content
- Integration with my SAP workplace.

DATA MODELLING IN BW

Architecture of BW Server

Administrator workbench

- Maintaining the BW system landscape
- Metadata management for info objects and master data tables
- Transferring data
- Scheduler
- Monitor

Multidimensional data models

- Data modeling

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The sap BW data model

- Different types of data in BW
- Info objects: characteristic and key figures
- Master data: attributes, texts, hierarchies, info cubes, extended BW star scheme, Technical implementation.

Data flow in BW and extracting data from my sap components

- Functions in the administrator workbench
- Source systems
- Info sources
- Replicating data sources
- Defining transfer rules
- Update rules
- Data flow display
- Extraction methods
- Scheduler
- Monitor

Extracting data from other data sources

- Third party tools
- Files interface (flat file uploads)
- Data marts

Operational data store

- operation data stores objects(ODS objects)
- Data staging in the ODS
- Maintaining ODS requests
- Using the ODS for reporting

Data modeling-additional topics

- Remote cubes multi cubes
- Tracking history
- Additional modeling concepts

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Authorizations in BW

- Role
- Classes of authorization object for administration and reporting
- Authorization objects
- Authorization
- Reporting objects
- Authorization variables

Business content

- Business content components
- Role based and industry-based content
- Installing business content
- Transport connection
- SAP demo cubes

BUSINESS EXPLORER

Introduction to BW reporting

- Methodology of the SAP business information warehouse
- Reporting structure in SAP BW.

Working with business content queries in the bex browser

- Working with the bex browser
- Queries in business content
- Managing the content of the bex browser
- Bex on the web

Getting started with the bex analyzer

- Creating a query
- Changing a query
- Navigating through the analysis
- Filtering data
- Adding text elements

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Working with key figures and characteristic

- Calculate key figures
- Properties of key figures
- Currency translation
- Properties of characteristics
- Restricted key figures
- Hierarchies
- Attributes
- Variables
- Global and local structures

Query properties

- Properties of queries
- Inserting, moving and deleting queries
- Detaching and refreshing queries

Exception and condition

- Integration and exception in to a query result by specifying an exception

Bexmap the GIS of SAP BW

- The concept of the bex map geographical information system in SAP BW
- Using geo-relevant characteristics to define queries
- Integrating a map in to a work book
- Designing a map in the bex analyzer.

Special topics

- Setting in the bex analyzer
- Creating templates
- Integrating templates in the workbooks
- Sheet protection functions
- Page formatting in workbook

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REPORTING MANAGEMENT

Business content: roles authorizations

- Business content component
- Roles and industry specific business content
- Activating business content
- Roles and authorization
- Transport connection

Report agent

- Using exception reporting
- Exception reporting in the background and subsequent processing
- Printing in the background

Complex reporting

- Result set query-definition and use
- Concept and architecture of the report/report interface
- Using drill-through query/query, query/ODS objects,query/OLTP,infoquery

Bexmap

- Concept and architecture of the bexmap
- Bexmap-integration into BW
- Static and dynamic geo characteristics

WEB PUBLISHING

BW front end architecture its

- Describe the architecture and components of the BW front end ,and how they Interact
- Explain how BW is accessed using internet
- Describe the different components and items of the web publishing process carry Out all the necessary steps
- From the query building to web reporting

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HTML and WEB reporting components

- Create HTML files
- Explain the role of the web publisher in the BW web reporting environment
Explain what an object is work with HTML objects

Web wizard

- Use the web wizard to create HTML pages

Bexweb

- Explain how the bex web in the BW acts as a counter part to the work place

WAD

- Web application designer
- Web items
- I views

EXTRACTION MECHANISM

Data Extraction overview

- The extraction process
- Types of extractors
- Enhancements to extractors(overview)
- Delta management for extractors(overview)
- Business content

LIS data extraction

- Linking R/3 information structures to BW
- Filling info cubes using the delta update method

Lo data extraction

- BW customizing cockpit
- Comparing LO extraction with LIS extraction
- Converting data extraction from LIS to LO method

CO-PA

- Controlling and profitability analysis

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Tools for generic data extraction

- Data sources for master data
- Data sources for transaction data
- Extraction types
- Class system-overview
- Data sources for classification data (special features)

Enhancing business content

- Enhancing data sources for transaction data
- Master data and texts
- Enhancing data with the function enhancements of the service API
- Overview of the options in OLTP data enhancement

Special topics: delta management

- Concept, technology, and implementation of delta management in SAP BW
- Delta management for applications

Excurses: OLTP access via remote cubes

- Technology and implementation of data access using remote cubes

Currency translation

- Overview currency translation in BW
- Maintenance and usage of transaction keys
- Overview currency settings in the BW IMG
- Special and related topics

PRODUCTION SUPPORT

Process chains, monitoring data loads, organizing loading processes (schedule, grouping, event controlling), PSA functions, BW statistics, and info cube maintenance.
Handling production support issues. Handling tickets.

TRANSPORT MANAGEMENT

System landscape, transport management, transport connection tool.

OPEN HUB SERVICES

Info spoke: data source for INFOSPOKE, data targets for infospoke, infospoke monitor.

ASAP Methodology.

Project Explanation.

BI-7.0 COURSE CURRICULUM

Modeling the enterprises data warehouse.

- Concept in enterprise data warehousing
- Data modeling
 - Using different info provider types
 - Multi providers
 - Characteristics and attributes
 - Navigation and display attributes
 - Tracking history
 - Star schema in SAP net weaver BI
- Info objects
 - Definition
 - Text, attributes, hierarchies
 - Compounded info objects info providers
- info providers
 - Info cubes, data store objects, info sets, virtual providers
- data warehousing workbench
- meta data repository
- BI content
- Remodeling toolbox
- Source system
- (new) data sources
- Transformations
- (new) info sources
- Data acquisition SAP source systems
 - Data sources
 - Service API
 - Delta management
 - Generic extraction
 - Enhancing BI content data sources
- Data acquisition:
 - Flat file
 - Web service data sources and SAP net weaver XI/SAP net weaver BI
 - Integration

Running the Enterprise Data warehouse

- Direct access
- Real time data acquisition
- Administrator cockpit and BI statistics
- Performance optimization
 - BI accelerator
 - Aggregates
 - Query design
- Scheduling and monitoring
 - Info packages
 - Data transfer processes
 - Process chains
 - Monitor

BEx Design tools

- Query definition
 - Conceptual query design
 - Reporting scenarios
 - Info providers
- Analytical engine
 - Variables
 - Calculated and restricted key figures
 - Navigation
 - Hierarchies
 - Exceptions and conditions
 - Other features of the analytical engine
 - Report-report interface
- BEx query designer
 - Query properties, cell editor,
 - Other features of query designer
- BEx report designer
 - Basic concepts
 - Report styles and formatting
 - Report layouts
- BEx web application designer
 - Web items
 - Context menu
 - Structuring the layout of web templates
 - Chart designer
 - Command wizard
 - Web items
 - Chart capabilities

Integration with the SAP net weaver portal

BEx reporting tools

- BEx web analyzer
Overview, data access, data analysis
- BEx analyzer
Navigation features
Excel integration
Workbook design

BEx report Designer

General BEx features and information broadcasting

- Printing and export
- BEx broadcaster
- Document integration

User management

Duration: 2 Months Faculty: PRAVEEN Fees: 12,000/-