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SAP BW

+44 7836 212635

info@uplatz.com

SAP BW

Introduction

- Introduction to ERP, SAP, Data Warehouse
- Overview of BW, BI, Data Base.
- Overview of BW Architecture, Landscape

Basic Modeling

- Multi-Dimensional Star Schema (Classical Approach)
- Multi-Dimensional Star Schema in BW (Extended star Schema)
- The OLAP Concept and differences between OLAP and OLTP

Business Modeling

- Info Area
- Info Object Catalogs
- Info Objects

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- PSA
- Application Component
- Info Source
- Data Source
- Transfer Rules
- Update Rules
- Transfer Structure
- Communication Structure
- Info Package
- Transformation
- Data Transfer Process
- Loading Transactional Data into BW info Cube
- Loading MD with TD into BW System
- BW and BI Comparisons
- Master data loading-new (BI) ETL process
- Info cube & Types
- Standard Info cube and Loading with new ETL Process
- Generate Report with BI master and Transaction Data
- Manual Uploading of MD like Attributes, Text, and Hierarchy
- Different Types of Attributes
- Transformations, Rule types

Routines

- Start Routine
- End Routine
- Expert Routine

DTP (Data Transfer Process)

- Standard DTP
- Error DTP
- Direct Access DTP
- Real time DTP

DSO (Data Store Object)

- Standard DSO
- Write optimized DSO

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- Direct update DSO
- APD (Analysis Process & Design)

Update Methods

- Full updates
- Initialization
- Delta Updates

Info Providers

- Multi Providers
- Info set
- Virtual Providers
- Re-Modeling
- Re-Partitioning
- Open-Hub Destination
- Data Marts

Info Cube Maintenance

- Aggregates
- Roll-up
- Compression
- Reconstruction

Process Management

- Process Chains, Process Types
- Scheduling
- Monitor (Header, Status, Details)

Reporting

- Business Explorer
- BEX Query designer
- BEX Analyzer
- BEX WAD
- BEX Report Designer

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Functional Overview of Bex Query Designer

Reusable Query Elements

- Query Controls with Variables
- Calculated Key Figures
- Restricted Key Figures
- Formulae
- Structures

Variable Definition in Detail

- Characteristic values variables
- Text Variables
- Formula Variables
- Hierarchy Variable
- Hierarchy Node Variable

Process Types

Manual input

Customer exit

Replacement path

SAP Exit

Authorization

- Analysis Functions
 - Conditions
 - Exceptions
- Reporting Drilldown
 - Drilldown to DSO from Info Cube (RRI)
 - Copying Queries from Cubes
 - Bex Analyzer
 - Bex WAD
 - Bex Report Designer

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- Migration Objects from BW 3.x to BI 7.0
- Transportation
- Extraction
 - Generic Data Extraction using MD/TD Tables
 - COPA Extraction
 - Business Content Extractions using MD/TD
 - LO-COCKPIT Data Extraction
- Delta types for
 - Generic Extraction
 - LO Extraction
 - ASAP methodology

