ERWIN DM TRAINING FOR SAP USERS PREPAID PACKAGE

Overview

The **ERWIN DM TRAINING FOR SAP USERS PREPAID PACKAGE** is a three (3) day prepackaged bundle of workshops designed to facilitate foundational training sessions covering the purchased product components and familiarize Customer staff with product capabilities and core terminology. It will review the differences between SAP Power Designer and erwin Data Modeler for Quest customers transitioning to erwin Data Modeler.

The **TRAINING PACKAGE** assists with the following stages:

- Collect and verify workshop prerequisites & targeted teams / attendees
- Definition / Modification to delivery schedule, venue, and agendas
- Knowledge Transfer: Delivery of foundational training workshops covering the purchased product components

Note: the **ERWIN DM TRAINING FOR SAP USERS PREPAID PACKAGE** includes training sessions covering all aspects of the erwin DM system. This package's activity assumed that the installation of erwin **DM 14.1** or later version was completed beforehand either by Customer's resources or via previously procured Quest services.

Benefits

The main benefits of using the **ERWIN DM TRAINING FOR SAP USERS PREPAID PACKAGE** are:

- Ensure your teams have a foundational understanding of product functionality and terminology
- Save valuable resource time by scoping each session to individual roles and responsibilities
- Provides a venue for questions and answers prior to deep diving into project utilization
- Session Recordings for extended learning
- Guide teams through a seamless transition from SAP Power Designer to erwin Data Modeler.

Knowledge Transfer Phase

Quest Services Consultant(s) will host multiple product module-based workshops with the required end-users based on pre-defined schedule: See Appendix A below.

SKU

PPT-ERW-PP	ERWIN DM TRAINING FOR SAP USERS PREPAID PACKAGE	PREPAID

Appendices

Appendix A – erwin DM Suite Knowledge Modules

erwin Data Modeler

Data Modeling Review

- What is data modeling? (Logical vs. Physical)
- Introduction to erwin – product overview
- Data modeling notations
- Entities and Attributes
- Keys (Primary, Foreign, Candidate, Alternate/Inversion Entry)
- Relationships (Identifying vs. Non-Identifying / Many-to-Many)

Building the Logical Data Model

- Building and Editing
    - Entities, Attributes and Keys
    - Relationships

Presentation of the Model

- Subject Areas and Diagrams
- Themes (font, color, highlights, etc…)
- Hide and unhide objects

Applying Standards

- Domains
- Validation Rules
- Naming Standards
- Data Type Standards
- User-Defined Properties
- Templates

Refining the Logical Model

- Relationships
- Rolenames
- Many-to-Many resolution
- Unification
- Recursive Relationships
- Super-Types and Sub-Types

The Physical Data Model

- Derive a Physical Model
- Logical and Physical Only objects
- Validation Rules
- Default Values
- Indexes

Transforms

- Super-Type/Sub-Type Roll Up and Roll Down
    - Denormalization
        - Horizontal Partition
        - Vertical Partition
        - Column Linking

RI Triggers, Stored Procedures, Scripts

- Enable RI triggers
- Creating stored Procedures
- Adding pre and post-scripts

Volumetrics Database Views

- Model Database views
- Modify a view

Data Warehousing Introduction

- Dimensional Modeling
- Data Movement
- Source-to-Target Mapping

Forward / Reverse Engineering

- Reverse Engineer a Database into erwin
- Forward Engineer an erwin model to a Database

Complete Compare

- Compare and synchronize models, databases, and/or DDL

Design Layer Architecture

- Managing Multiple Models
- Adding Multiple Model Sources
- Deriving Models
- Syncing with Model Source
- Split Logical/Physical Models

Bulk Editor

- Search model objects and properties
- Edit and update in mass

General Mart Concepts

- Incorporating the Mart into your Modeling Life Cycle
    - Check In/Out
    - Managing Conflicts
    - Managing Versions
    - Refreshing and merging of Model

Promoting standards and reuse

- Managing Standards
- Templates and Source Models

Reporting

- Mart and cross-model reports
    - Diagrams
    - Report Designer
- Object Browser

Projects

- Create and Manage projects
- Add models to projects
- Report

erwin Mart Portal - Administration

General Mart Concepts

- Architecture
- Terminology
- Key Features

Catalog Management

- Libraries
- Sessions

User Management

- Add Mart Users
- Manage Profiles
- Assign Permissions

erwin Mart Portal - Architects

General Mart Concepts

- Architecture
- Terminology
- Key Features

Using the Mart

- Mart Connection
- Model Locks
- Conflict Resolution
- Catalog Manager
- Merge Models
- Model Versioning
- Mart Reports
- DDL management on git
- DDL generation and comparison
- Enterprise Modelling Compliance
    - Policies
    - Rules
    - Reports
    - Enterprise Glossary
    - Building Business terms
    - Mapping with Tables,columns
    - Mapping report and tree view
- DM to erwin DI integration

erwin ER360 Administrator

- Administer and manage erwin ER360
- Harvest models from erwin Mart repository
- Create harvesting schedules from Mart
- Manage users
- Manage privileges/permissions via profiles
- Manage Catalogs
- Create Views
- Managing Indexing and portal settings
- Home Page

erwin ER360 End User

- Browse meta-data in the portal
  - Metadata
  - Diagrams
    - PK & FK representation
    - Role names, AK
    - SDI tagging
- Navigate models
- Working with shared Views
- Enterprise Architecture Diagram
- Collaboration & Comments
- Data flow Impact Analysis and column tracing
- Worksheets and Collections

Feature Comparison: erwin Data Modeler vs. SAP Power Designer:

Feature Category	erwin Data Modeler	SAP PowerDesigner
Modeling Layers Supported	Conceptual, Logical, Physical	Conceptual, Logical, Physical
Forward & Reverse Engineering	Yes – Broad RDBMS and NoSQL support; intuitive wizards	Yes – Broad RDBMS support; supports transformations
Model Synchronization	Logical ↔ Physical; auto update on changes	Bi-directional between levels (Conceptual ↔ Logical ↔ Physical)
User Interface	GUI-focused; modern and user-friendly	Rich UI but steeper learning curve
Naming Standards Management	Strong: Enforces naming conventions, abbreviations	Strong: Uses naming conventions, transformations
Domain & Data Type Management	Reusable domains; datatype mapping templates	Reusable domains; strong datatype inheritance model
Entity & Attribute Management	Auto-generation, attribute templates, relationship options	Advanced entity inheritance, subtypes, and relationship types
Logical to Physical Mapping	One-click transformation with preview options	Visual and rule-based transformations
Model Versioning & History	Workgroup Edition enables version control and team Collaboration	Repository enables versioning and team collaboration
Metadata Repository	Separate in erwin Data Intelligence (optional)	Integrated Enterprise Repository

Business Glossary Integration	- EG in Mart Portal - Native with erwin DI Suite	Metadata mapping; glossary link via repository
Lineage & Impact Analysis	Visual lineage; integrated with metadata if full suite used	Built-in traceability and lineage via repository
Collaboration Features	Workgroup Edition: check-in/out, role-based access	Repository: central model access with access control
Reporting & Documentation	Customizable reports and PDF, CSV & HTML model publishing. Publishing Tool ER360	Advanced report templates, publishing with layout options
Customization & Scripting	Limited scripting; macros for automation	Rich scripting environment (VBScript/JScript) for automation
Tool Extensibility	Some customizations via API	High extensibility via metamodel customization
RDBMS Platform Support	Oracle, SQL Server, PostgreSQL, MySQL, Snowflake, etc.	Oracle, SQL Server, DB2, SAP HANA, PostgreSQL, etc.
Cloud Data Platform Support	Strong: Snowflake, BigQuery, Redshift	Supported but more manually configured
Learning Curve	Lower; easier for new users	Higher; requires training for full benefit

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