





erwin DM 101 Series

Episode 3

The Art of Documenting Data Structures

Andy McGovern

Sr. Principal Consultant erwin DM





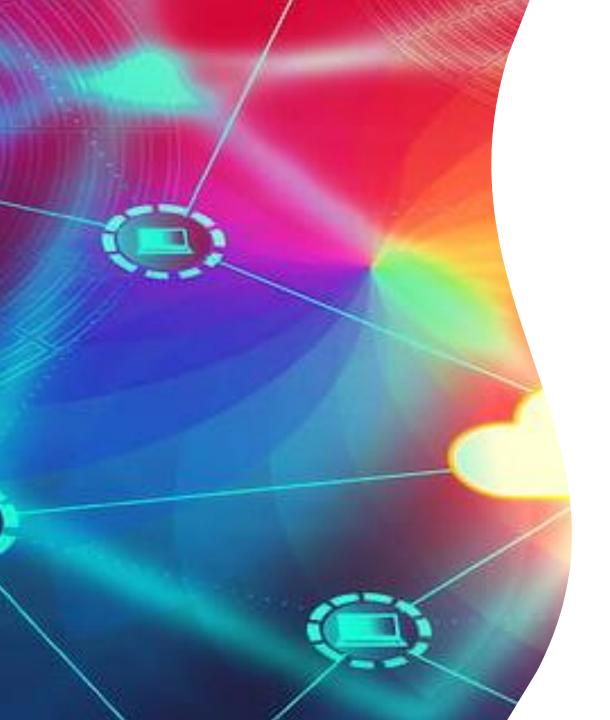




Agenda

- Unlock the power of Erwin DM to create a dynamic and tailored Logical/Physical Data Dictionary
 - Seamlessly integrate your organization's unique terminology
 - Incorporate customized data flags, also known as User Defined Properties (UDP)
- Elevate your Data Model and visual diagrams with this innovative tool
 - Transform the way you capture and convey your data landscape
- Discover how personalized insights can enhance clarity and drive informed decisionmaking within your organization





Topics for Discussion

- Data Security: Flag sensitive data and import organizational terms.
- Focused Analysis: Utilize Subject Areas for specific objects.
- Custom Reporting: Generate reports with the Report Designer.
- Web-Based Access: Publish models and reports on the ER360 portal.



Single Tool for Data Modeling & Design

Cloud & On-Prem Sources

Relational Databases

NoSQL Databases

Data Warehouses, Marts and Lakes

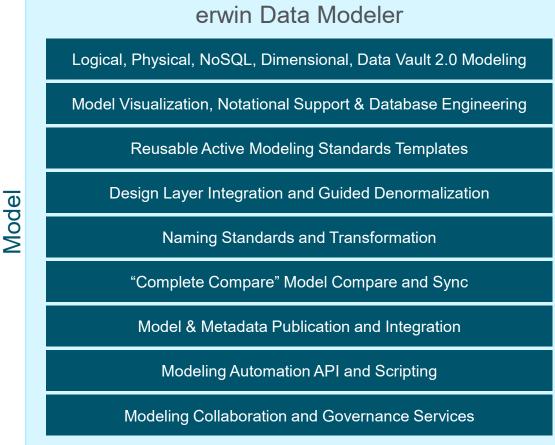
Big Data Sources

Packaged Applications

Semantics & Industry
Best Practices

Other Metadata Sources

Existing Schema Into **Auto-Document**



Auto-Generate Model Alter Schema From

Cloud & On-Prem Targets

Relational Databases

NoSQL Databases

Data Warehouses, Marts and Lakes

Big Data Sources



erwin Data

Intelligence & Evolve

Other Metadata

Sources

Broad DBMS Support and 3rd Party Integration

























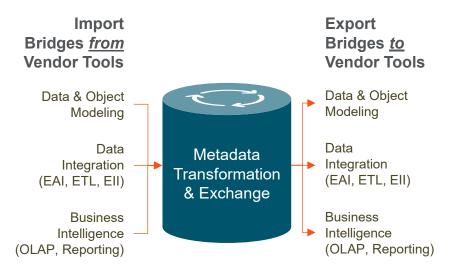










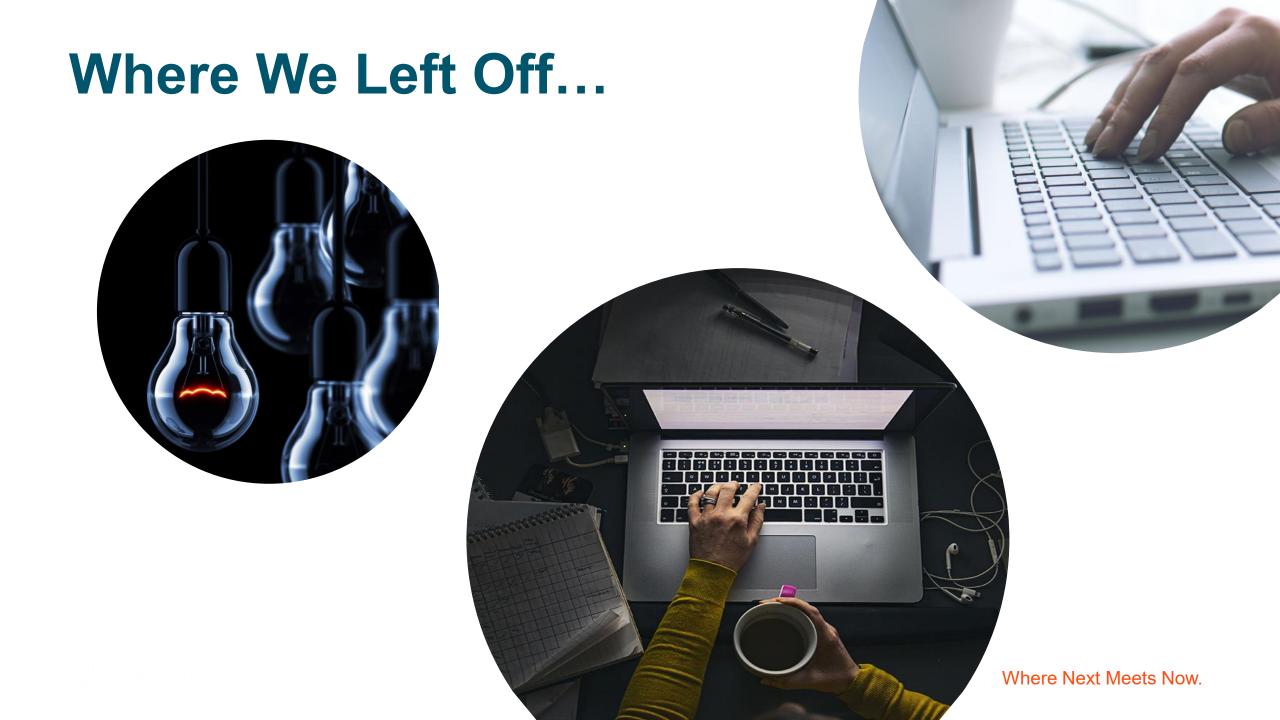












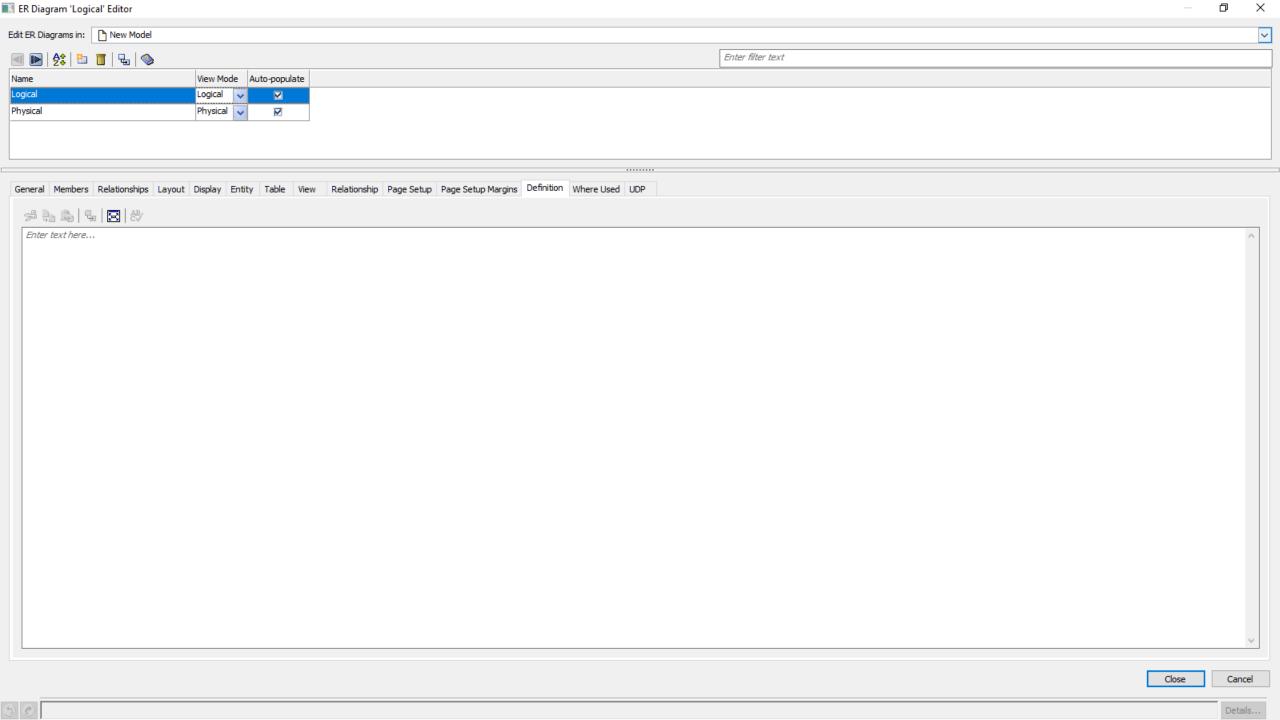
Annotate Your Diagrams

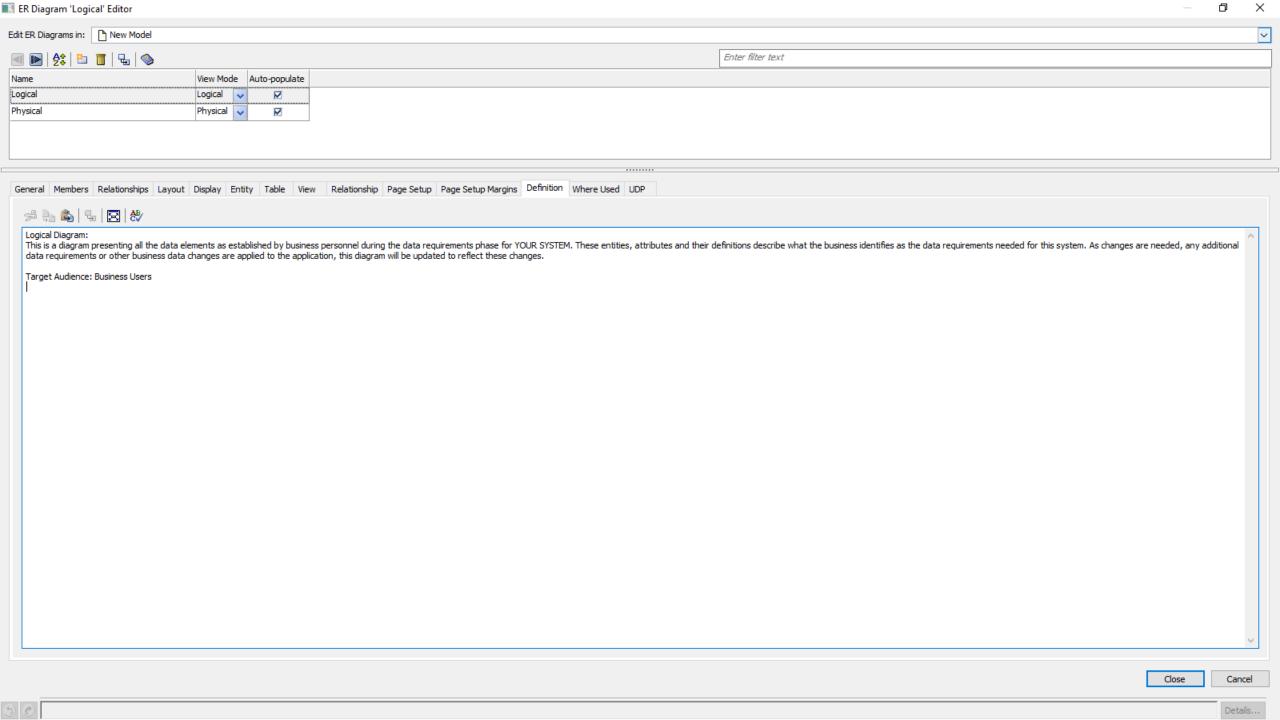


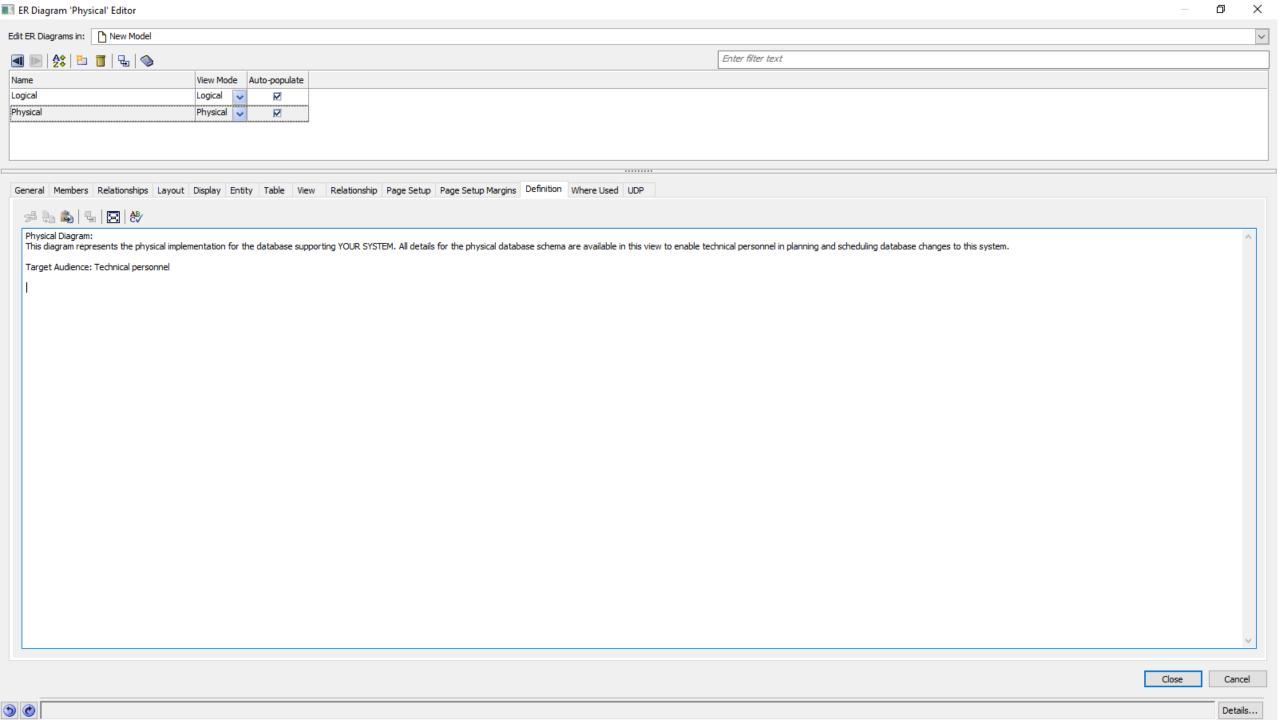




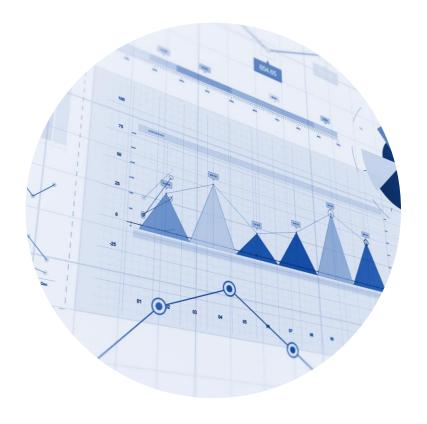
Where Next Meets Now.





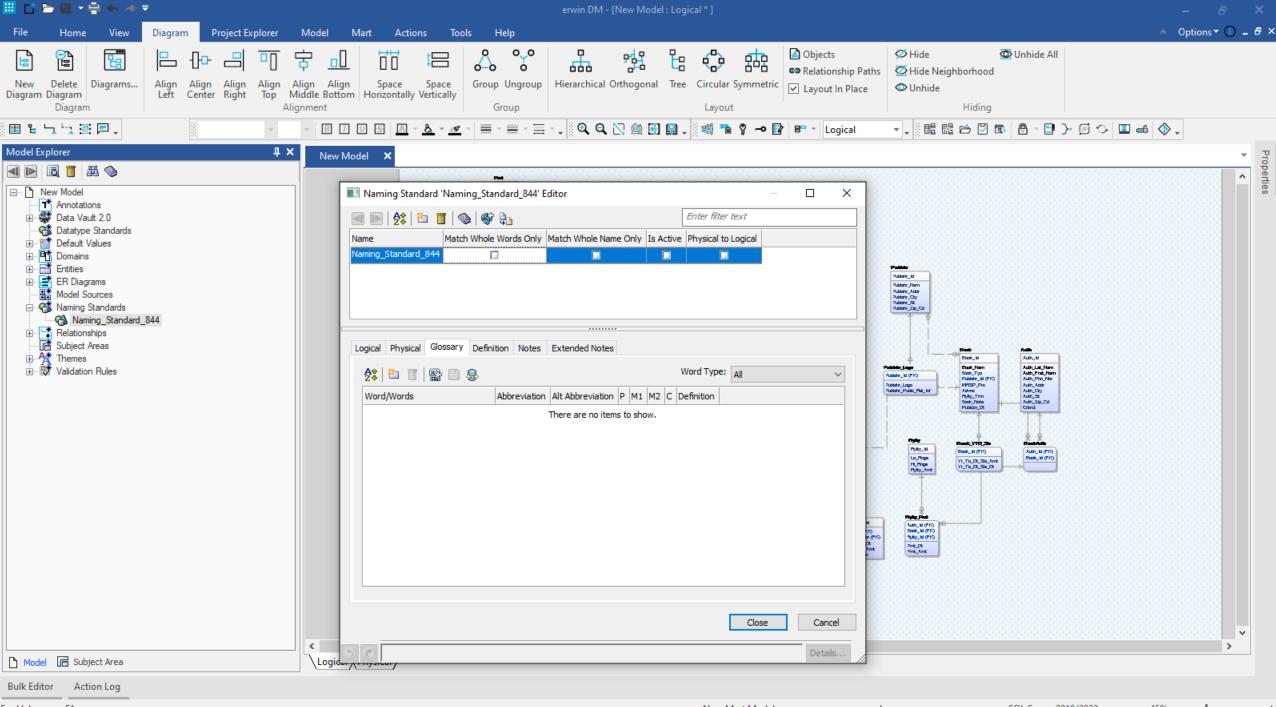


Naming Standards

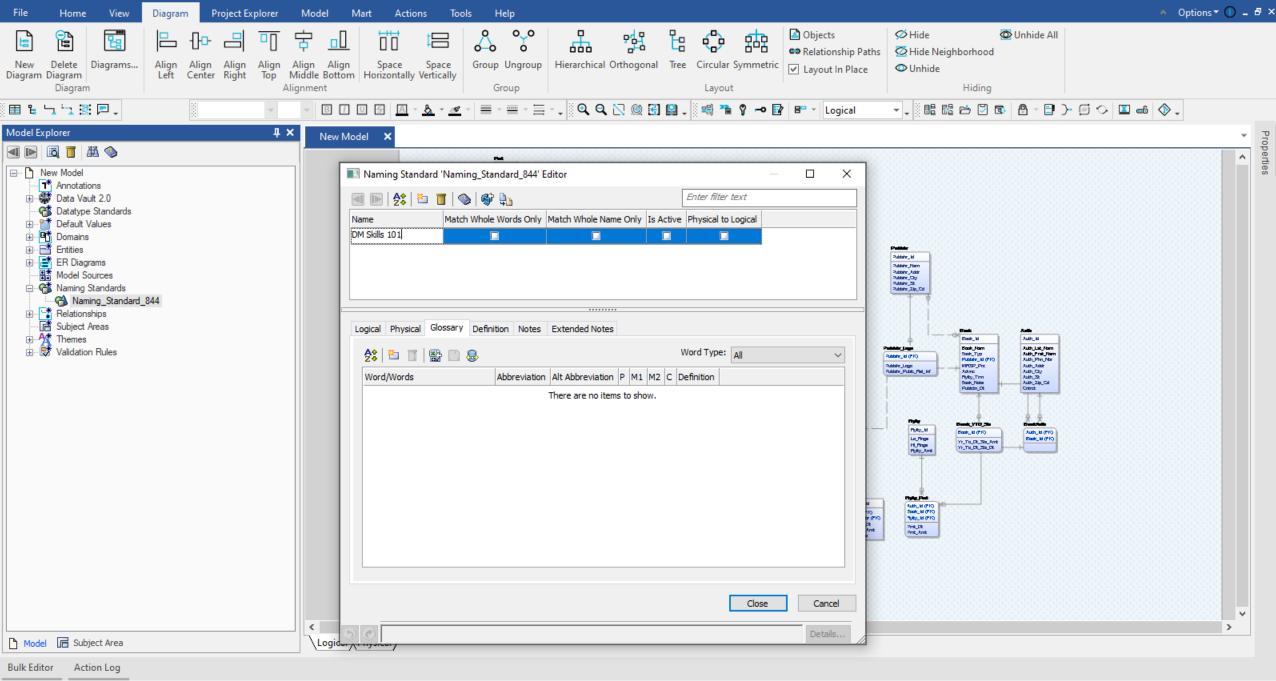




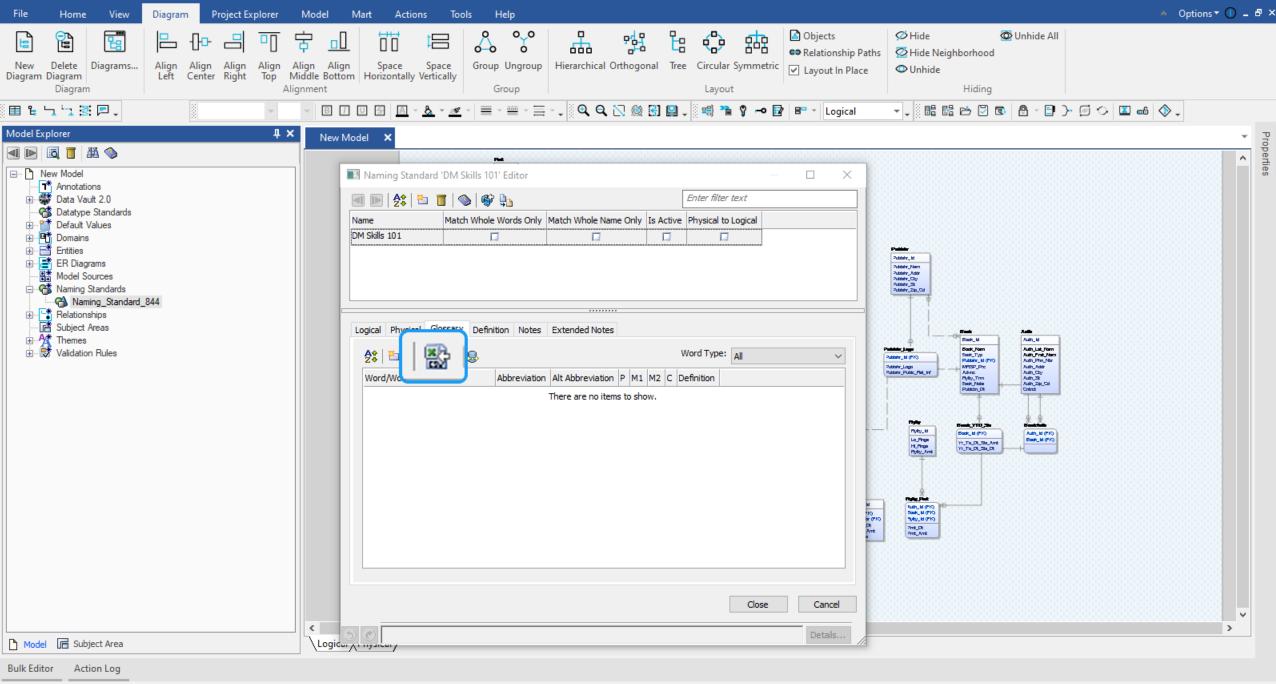
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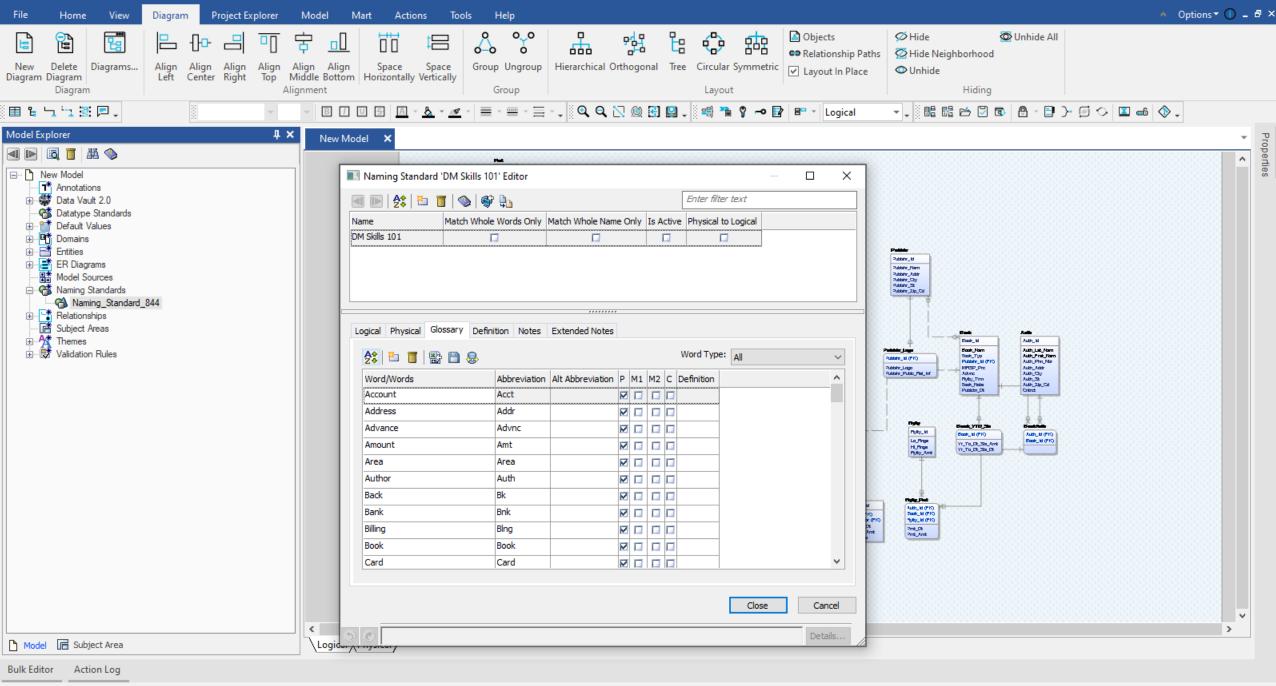
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For Help, press F1 Non-Mart Model SQL Server 2019/2022 45% - andy_mcgovern

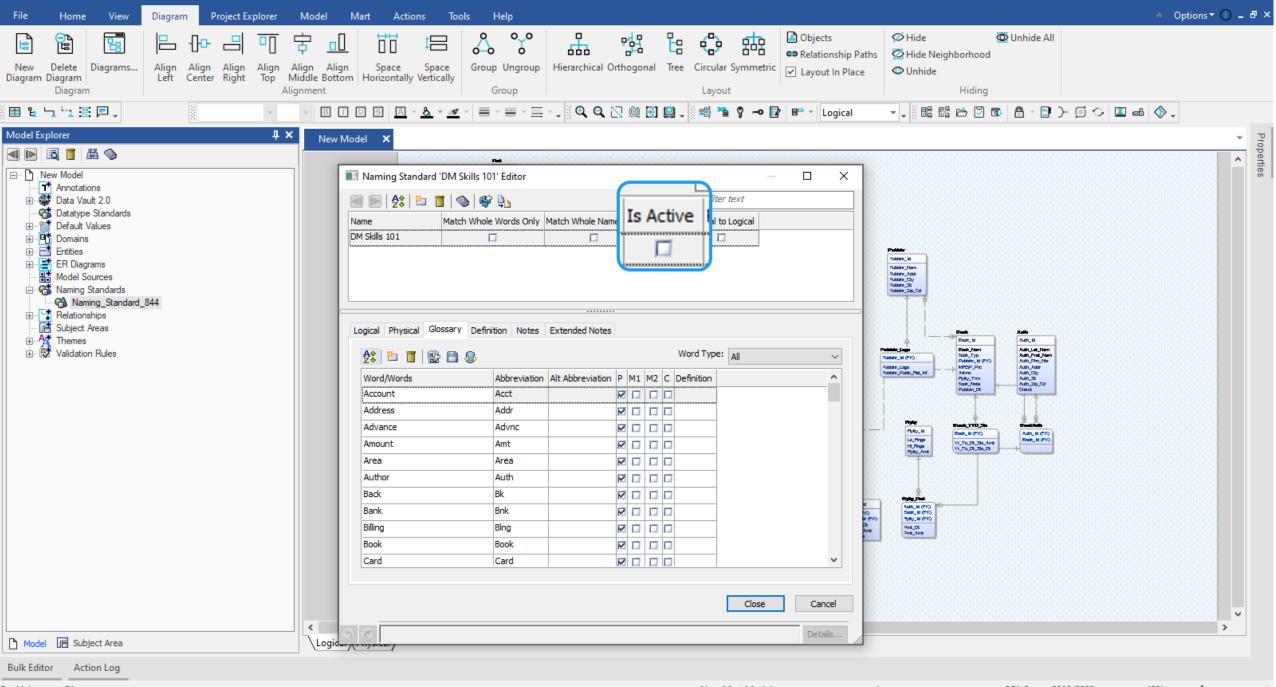


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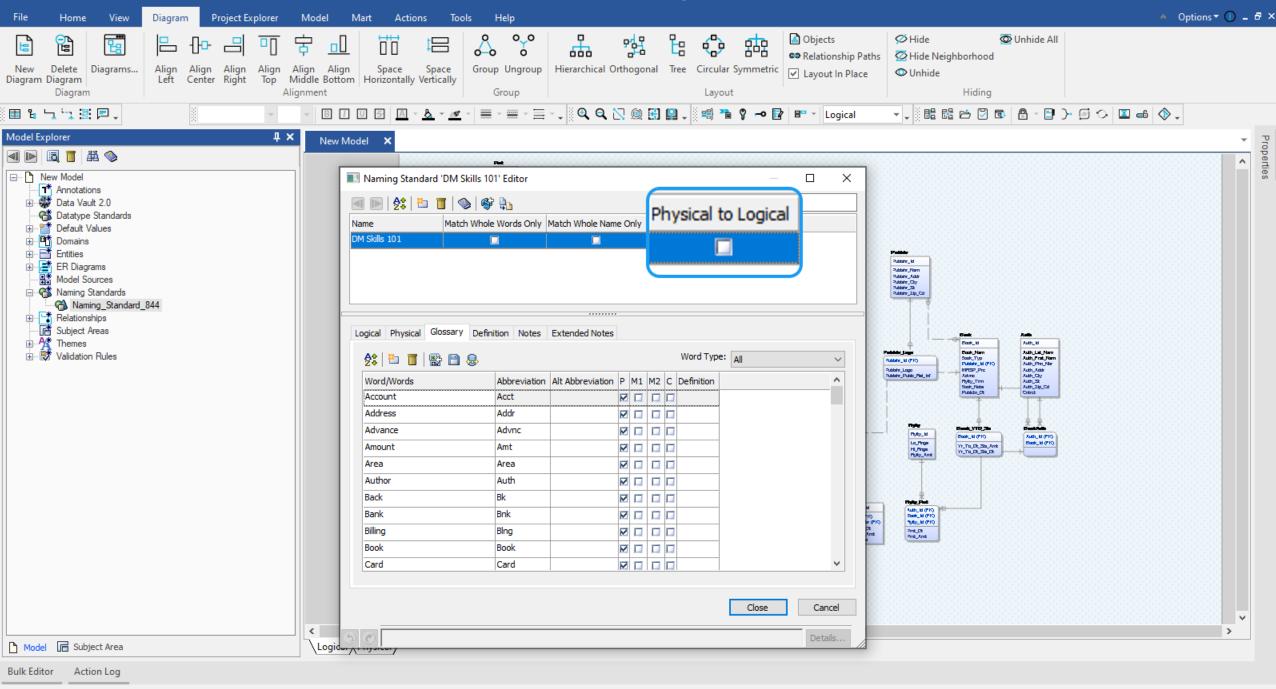
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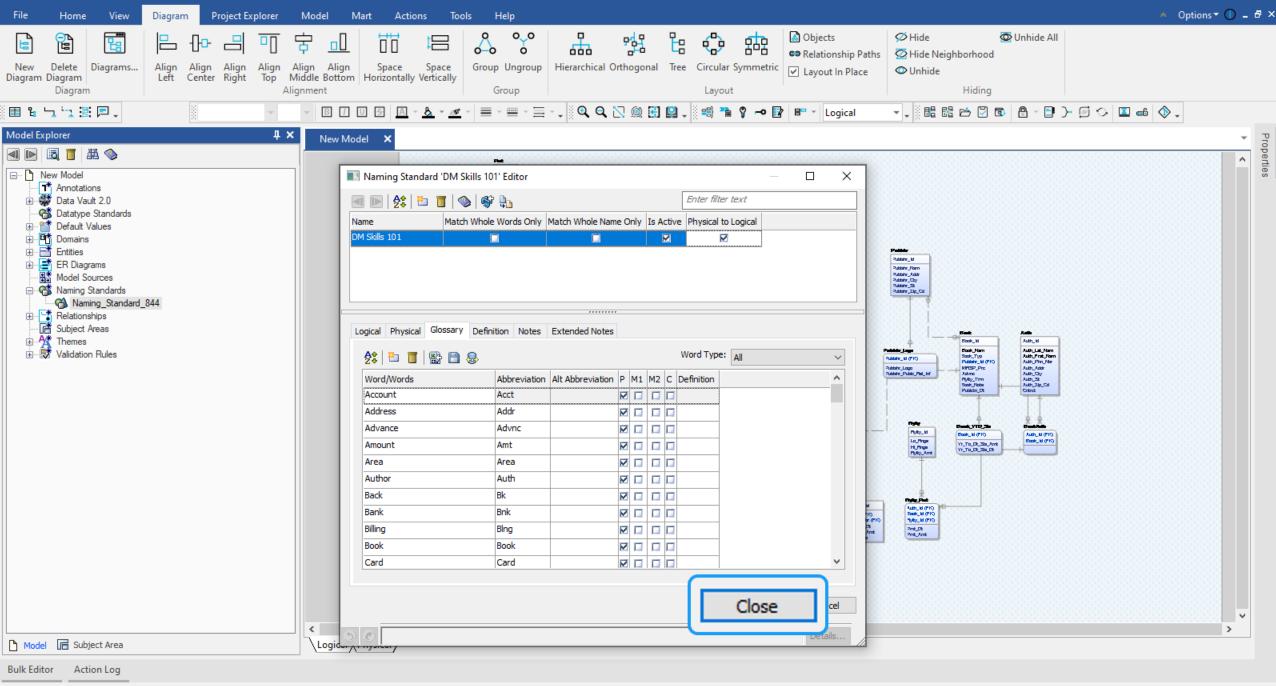
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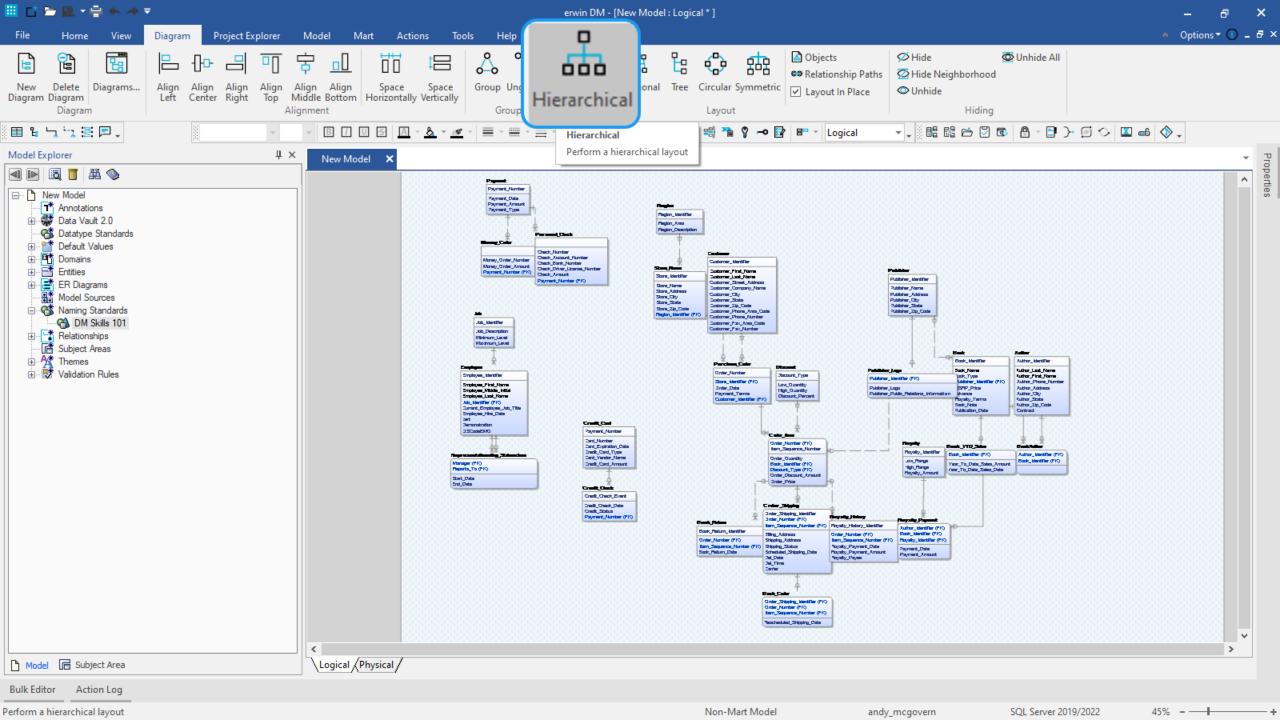


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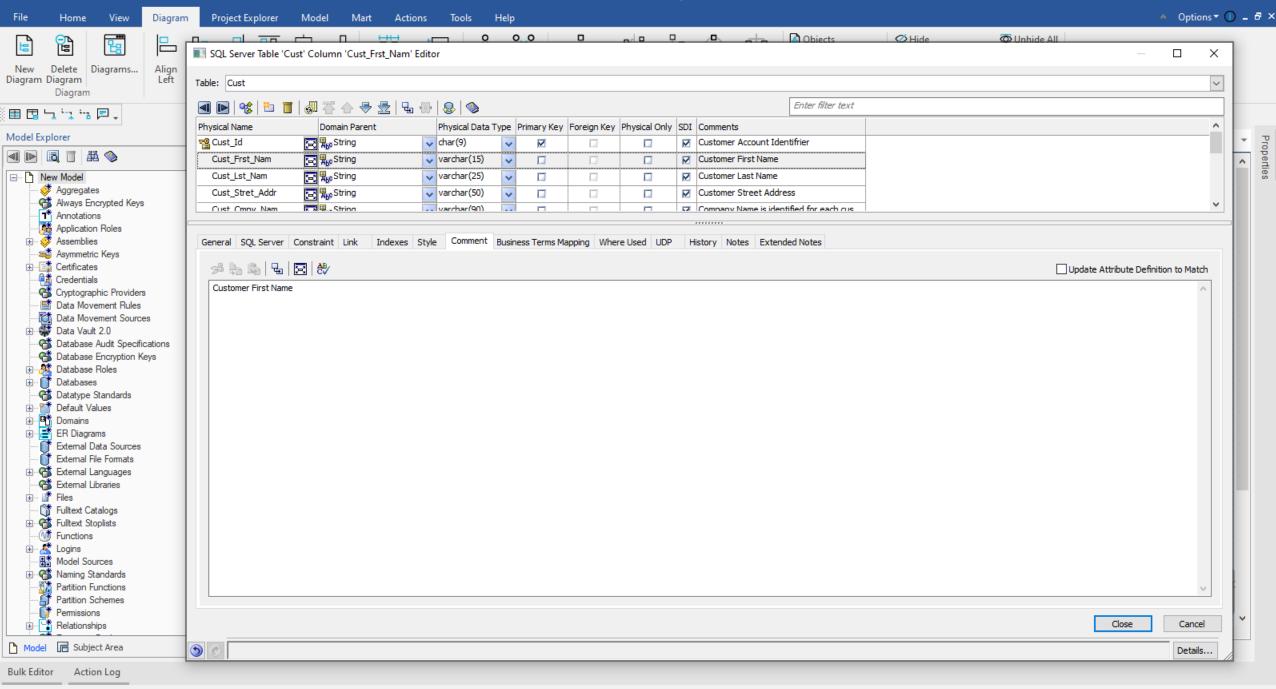


Reuse Column Comments



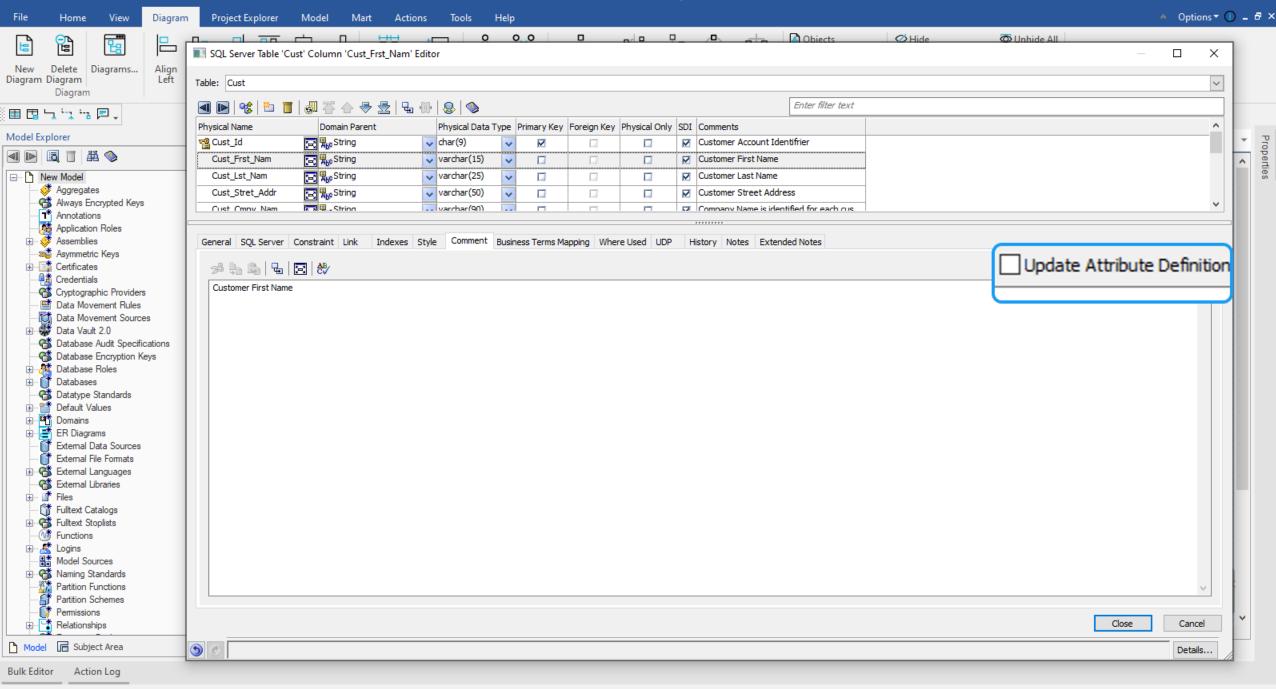


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Flag Sensitive Data





Application Roles Assemblies Asymmetric Keys a Credentials Cryptographic Providers Tata Movement Rules Table 1 Data Movement Sources Data Vault 2.0 Database Audit Specifications Ron Cartabase Encryption Keys Rgn_ld Database Roles Rgn_Area Rgn_Desc Databases Cartalype Standards Default Values ⊕... □ Domains ER Diagrams External Data Sources External File Formats External Languages External Libraries ⊕ Files Fulltext Catalogs -- Fulltext Stoplists Functions Logins Model Sources Partition Functions Partition Schemes Permissions Relationships Logical Physical / Model 🕝 Subject Area Action Log Bulk Editor Non-Mart Model For Help, press F1 SOL Server 2019/2022 66% - andy_mcgovern

Diagram

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your Support

Home

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Aggregates Always Encrypted Keys

* Annotations

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Topics

Model Explorer

- New Model

View

Project Explorer

Microsoft Sans ▼ 10

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Support

Model

Community

Mart

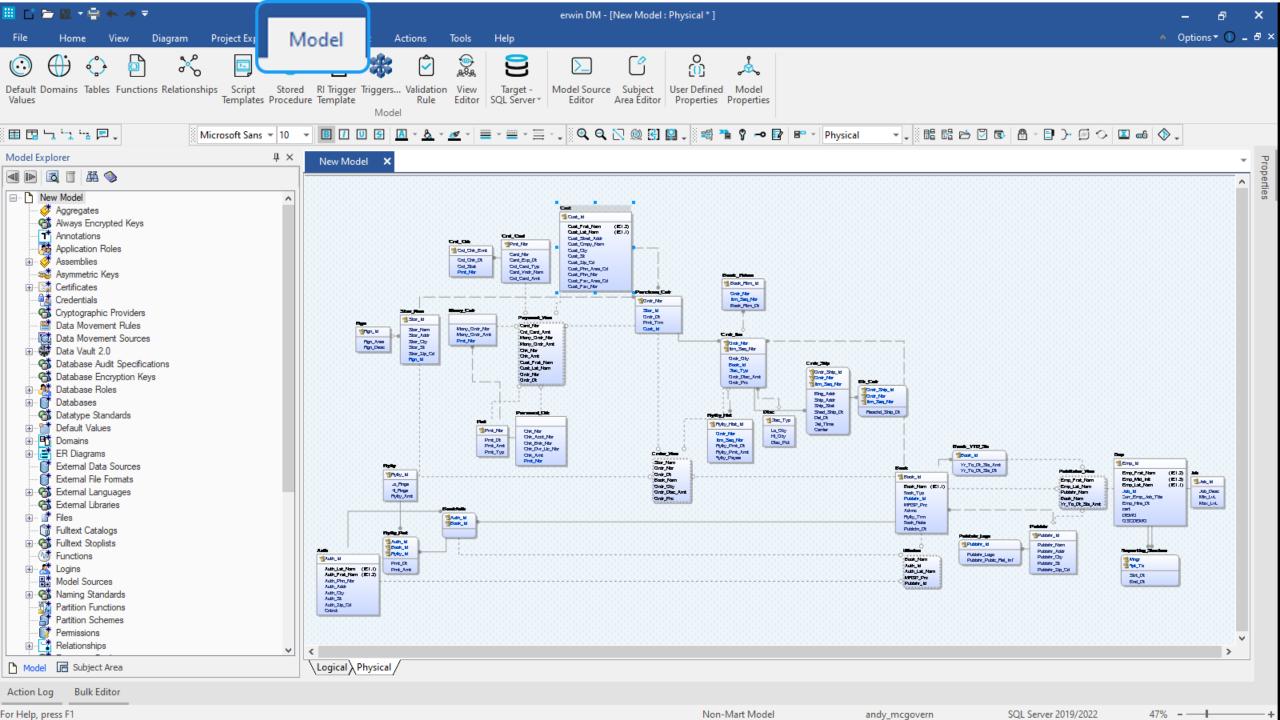
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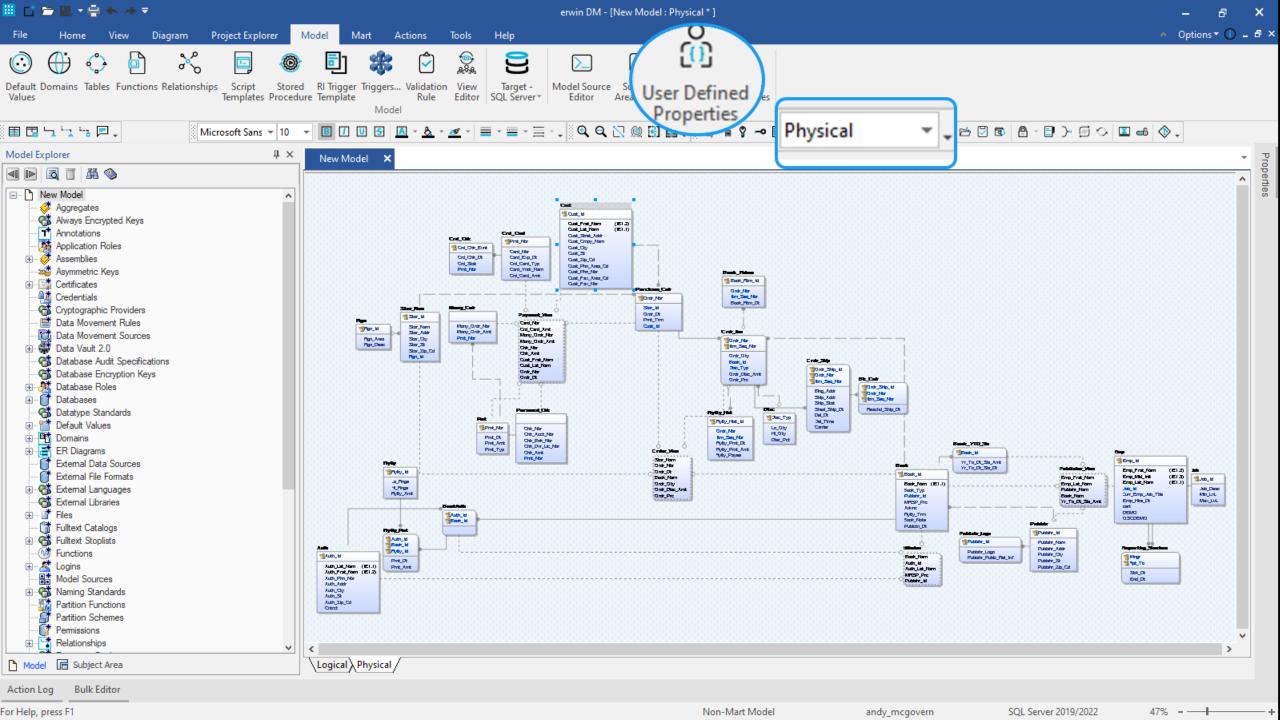
New Model

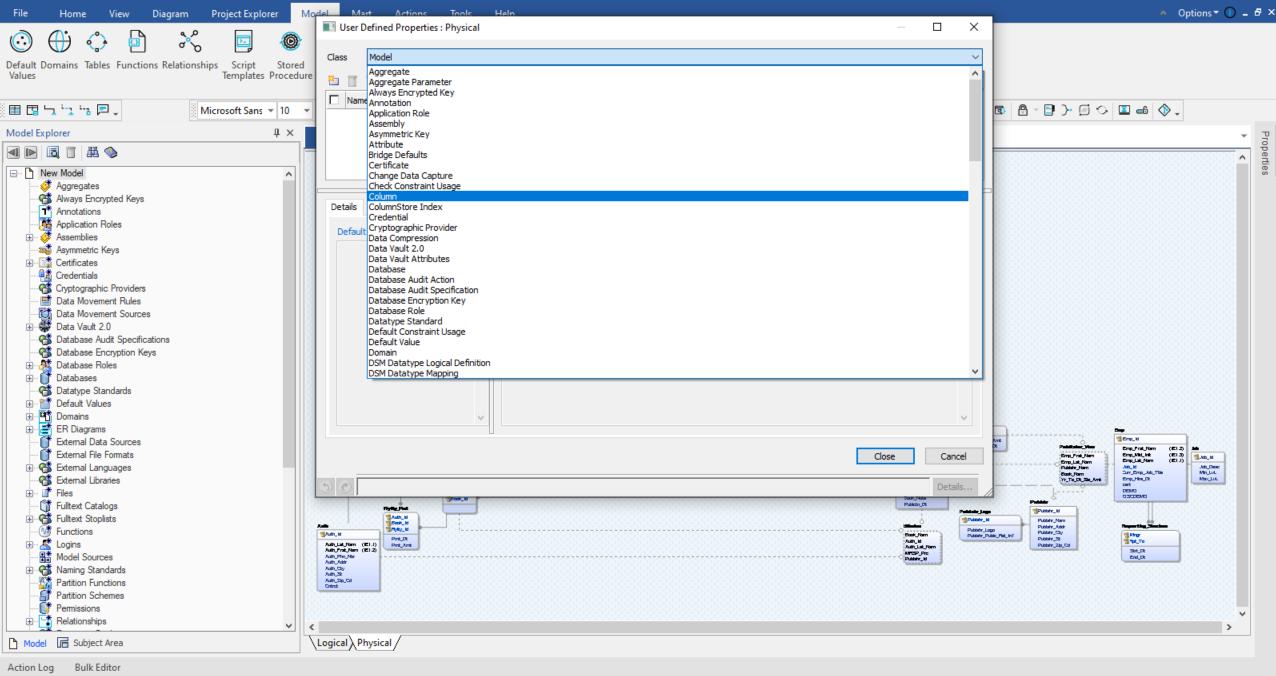
Add User Defined Properties

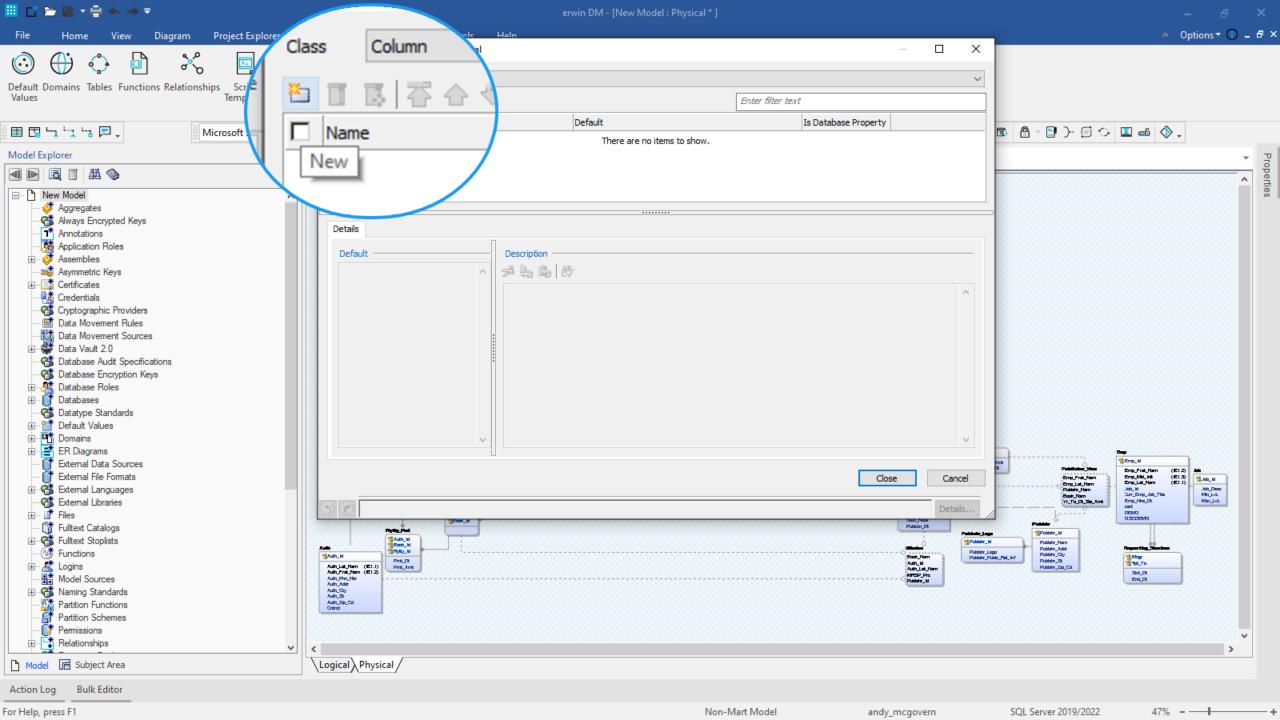




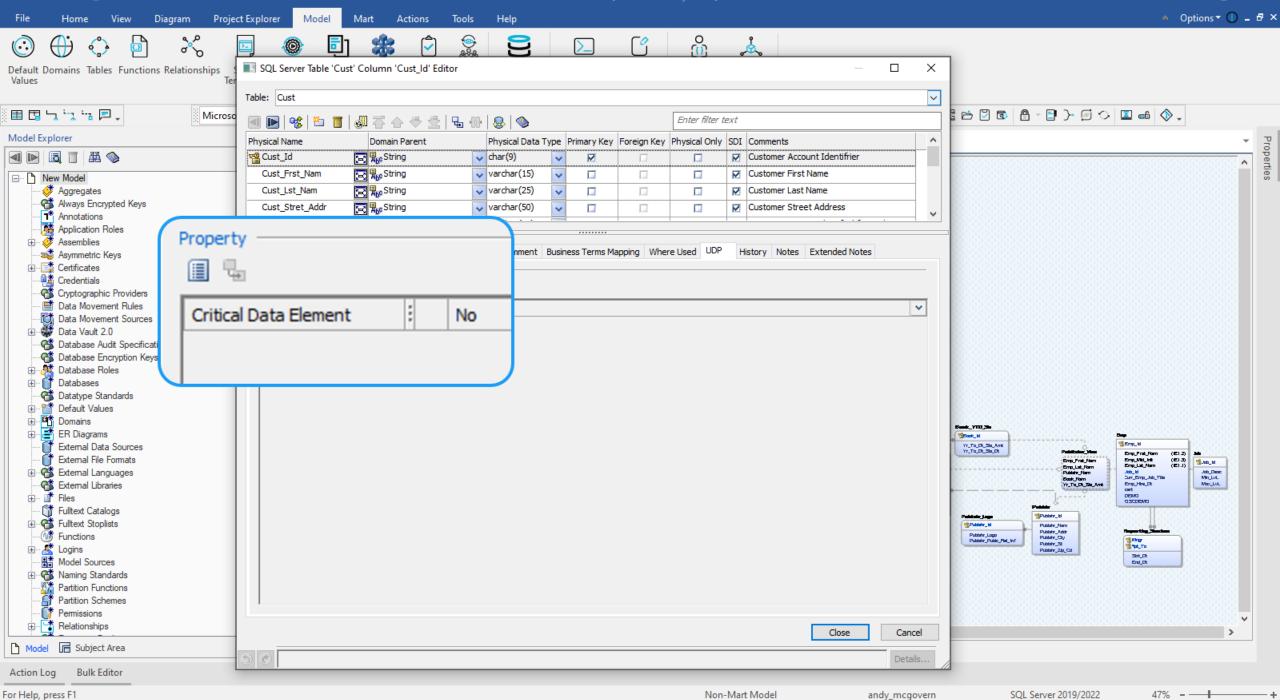








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The Bulk Editor



Where Next Meets Now.

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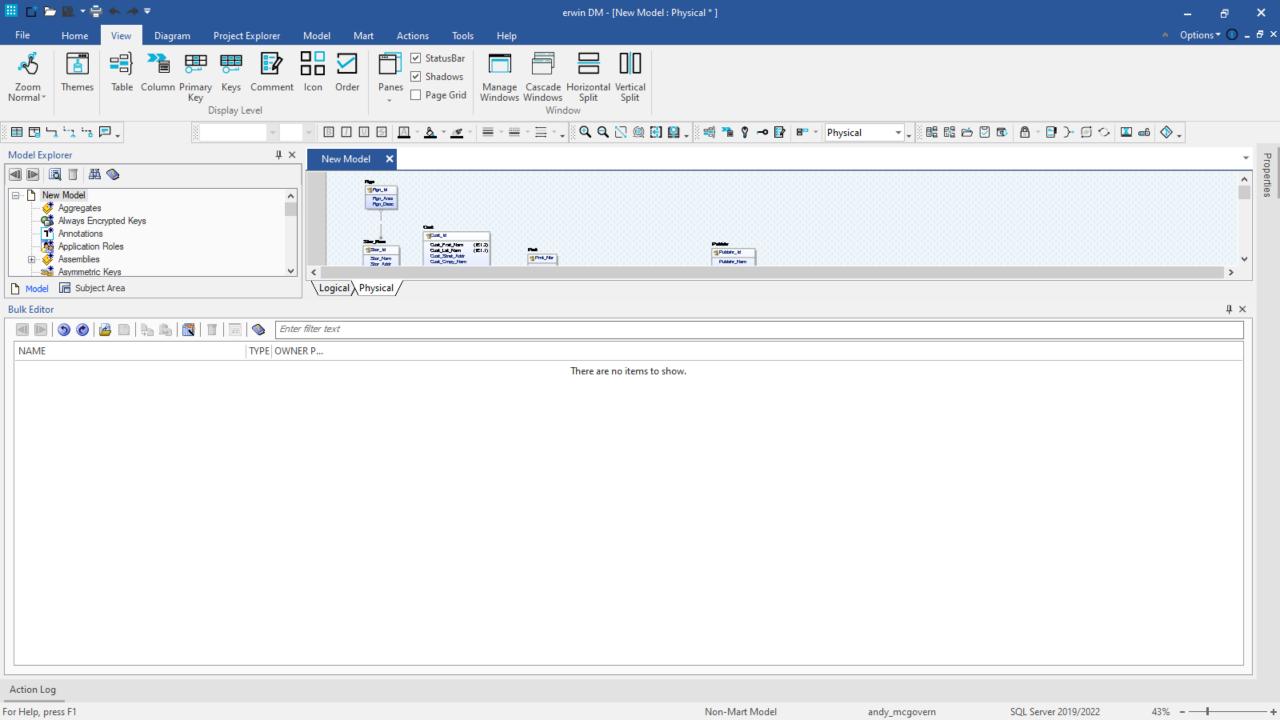
Non-Mart Model

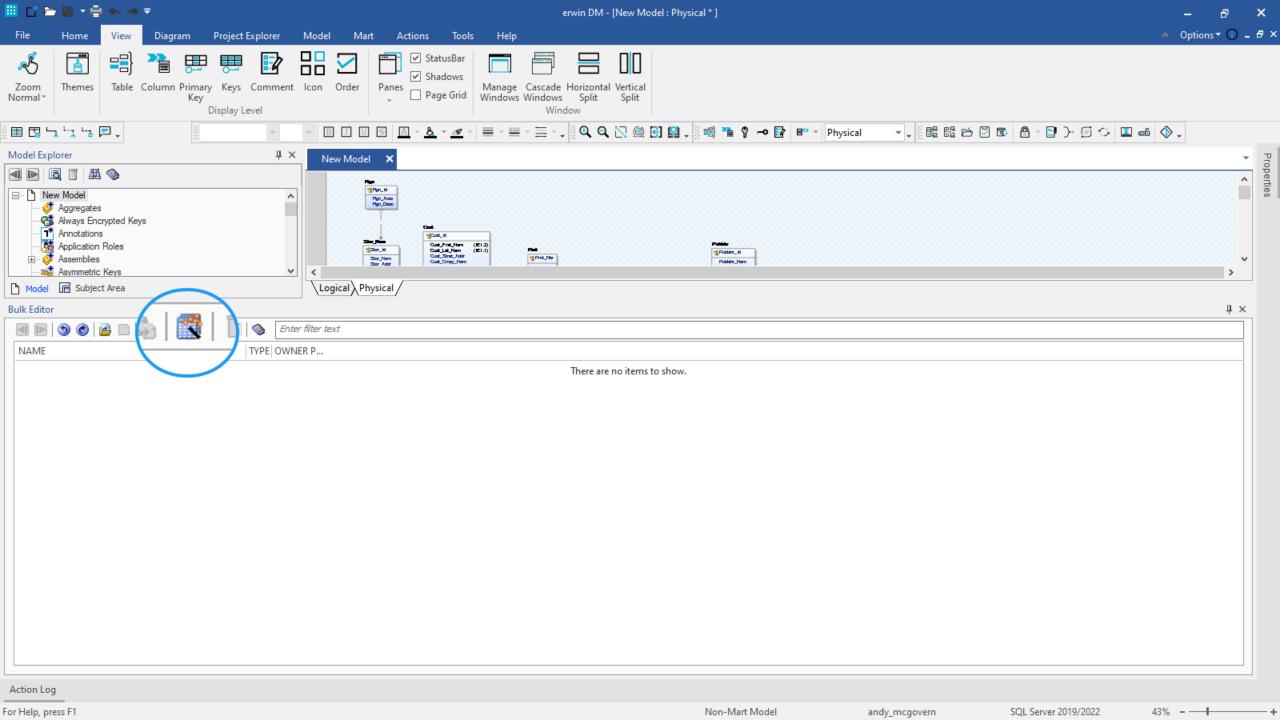
SQL Server 2019/2022

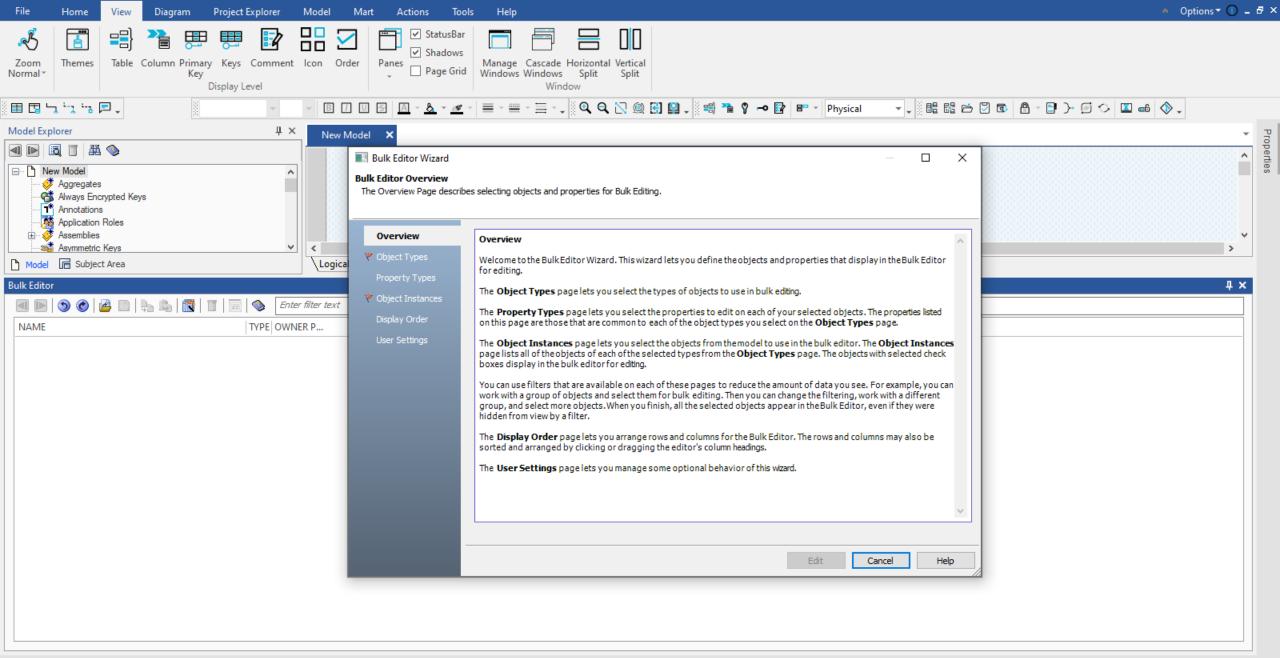
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Show / Hide Bulk Editor Pane



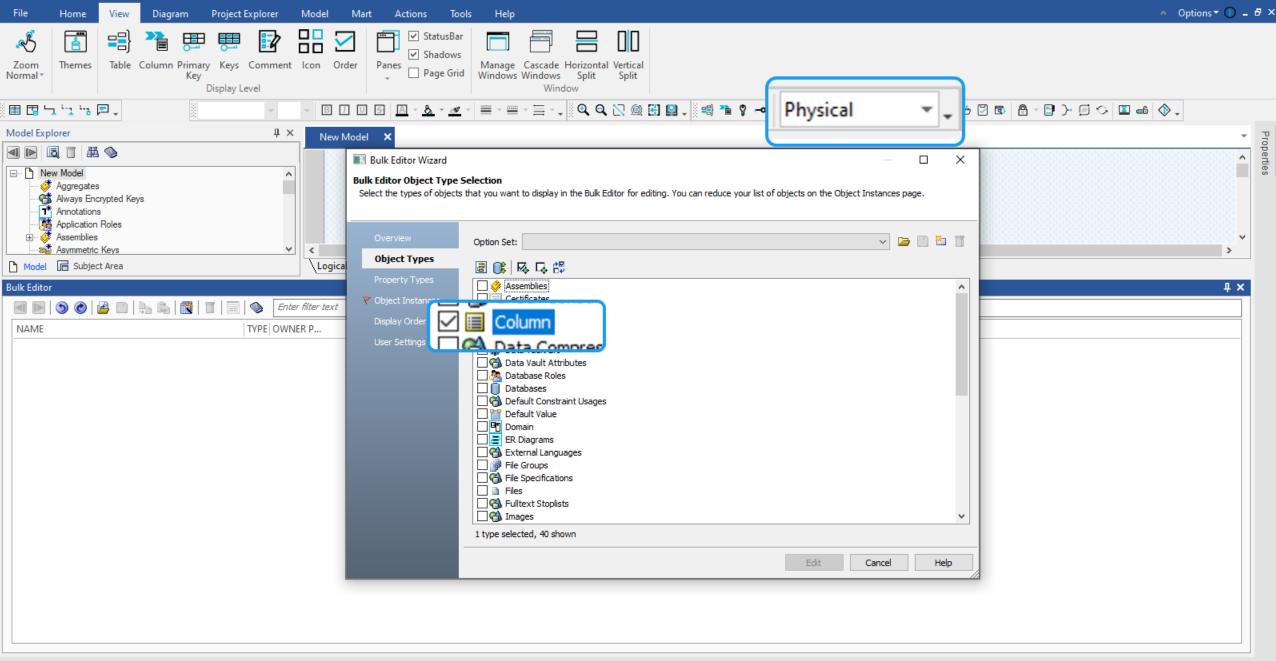




Action Log

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Action Log



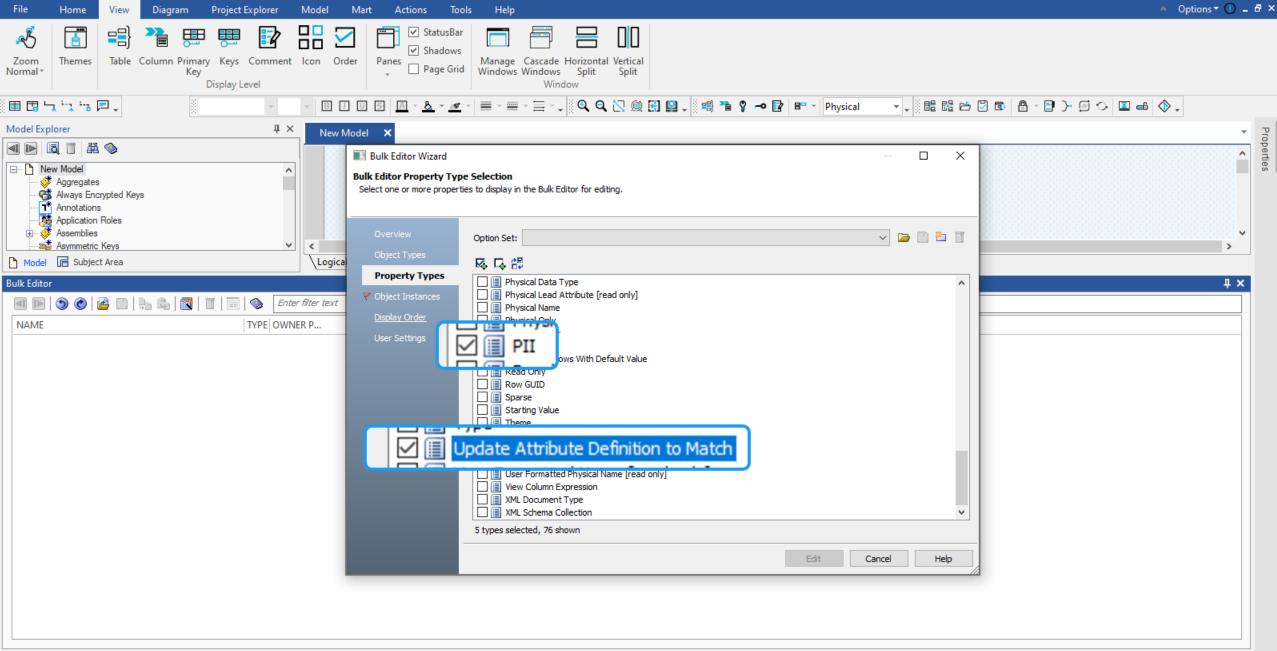
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Action Log For Help, press F1

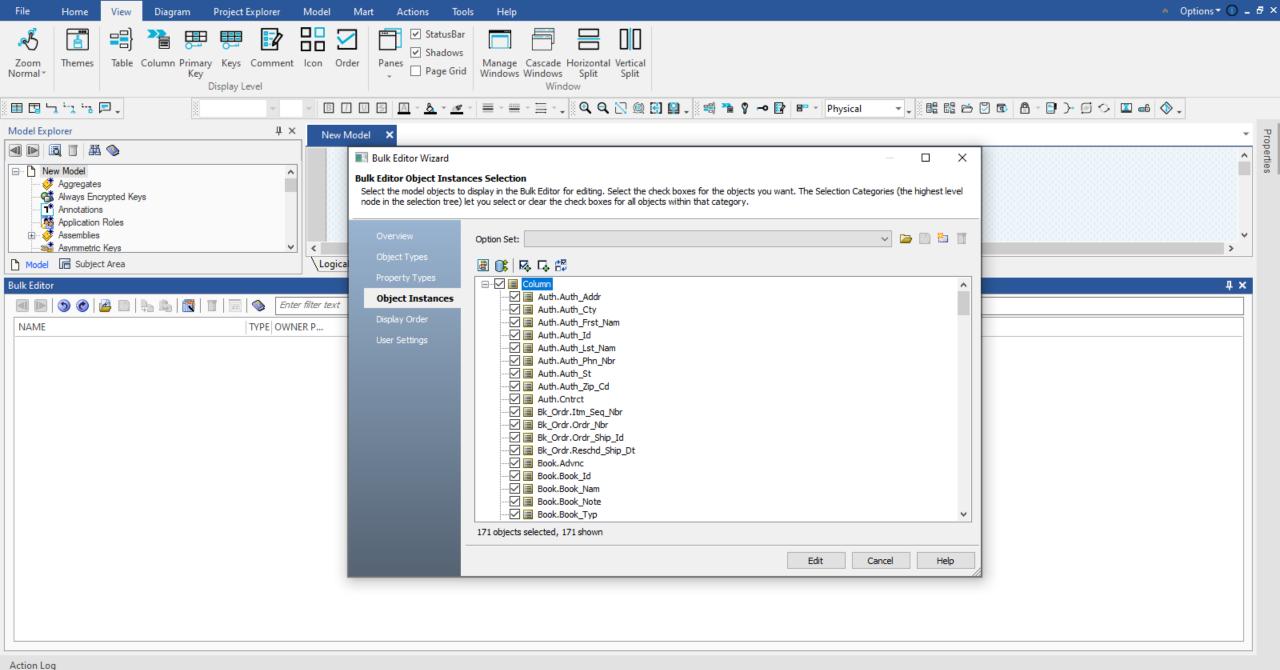
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Non-Mart Model

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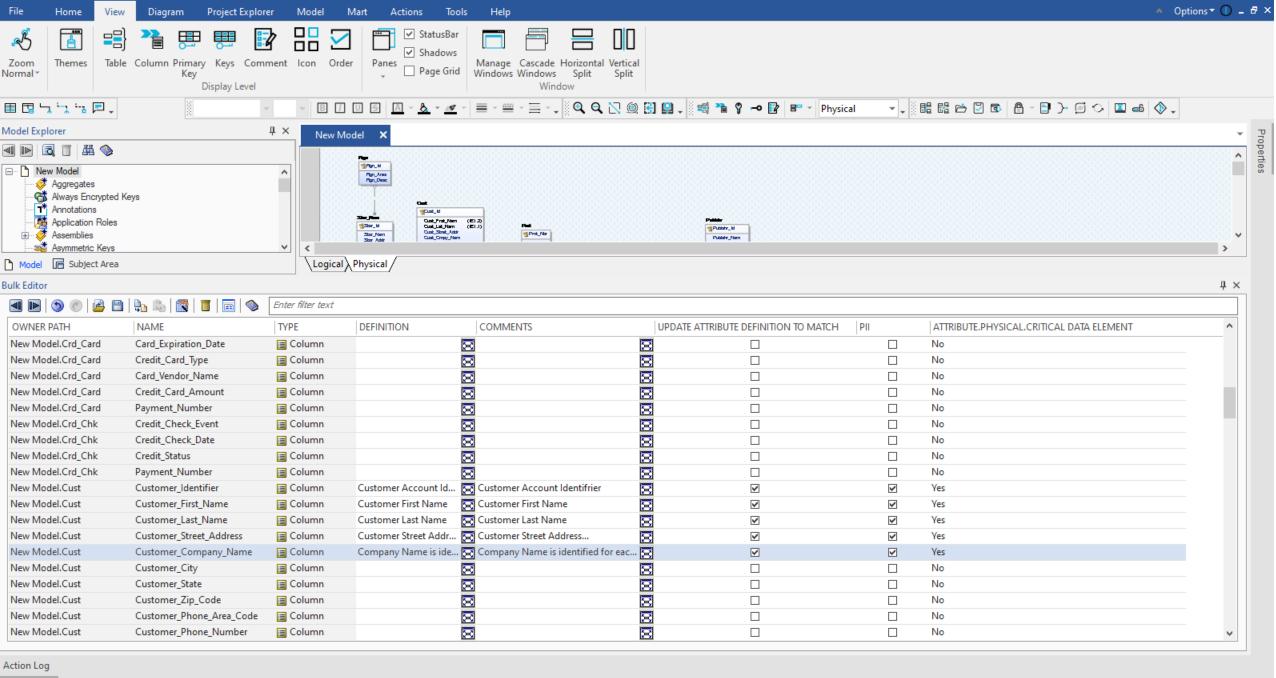
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Non-Mart Model

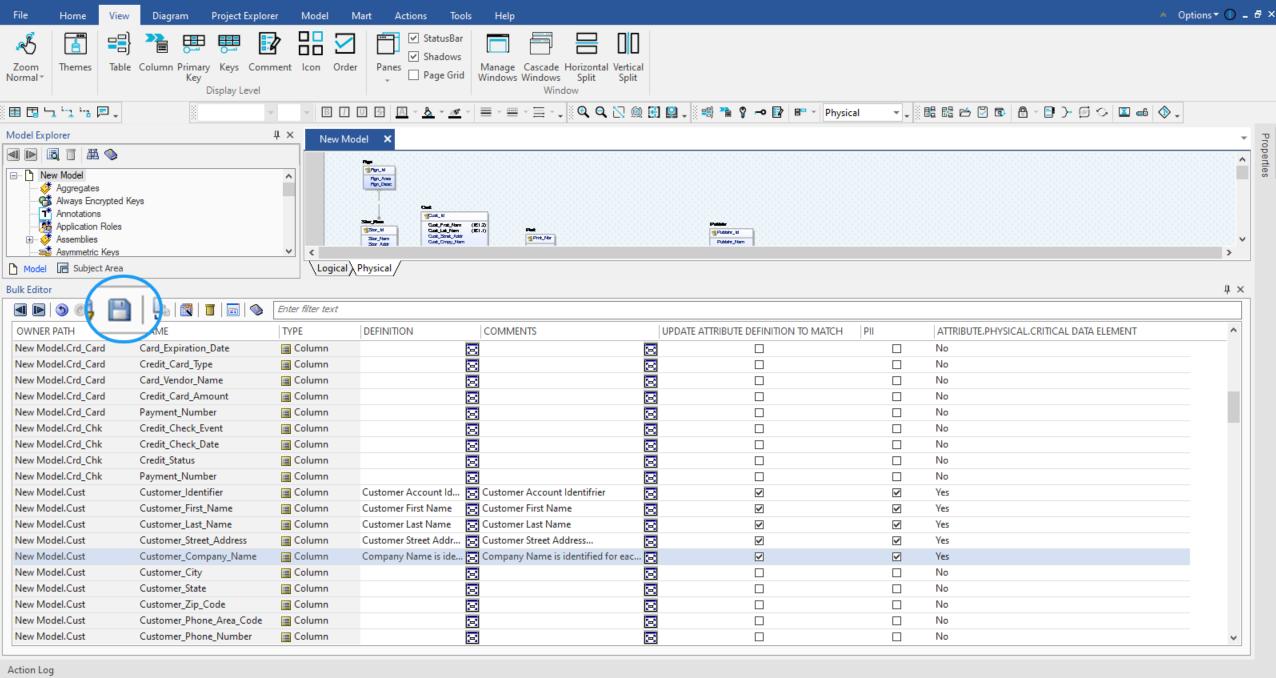
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Non-Mart Model

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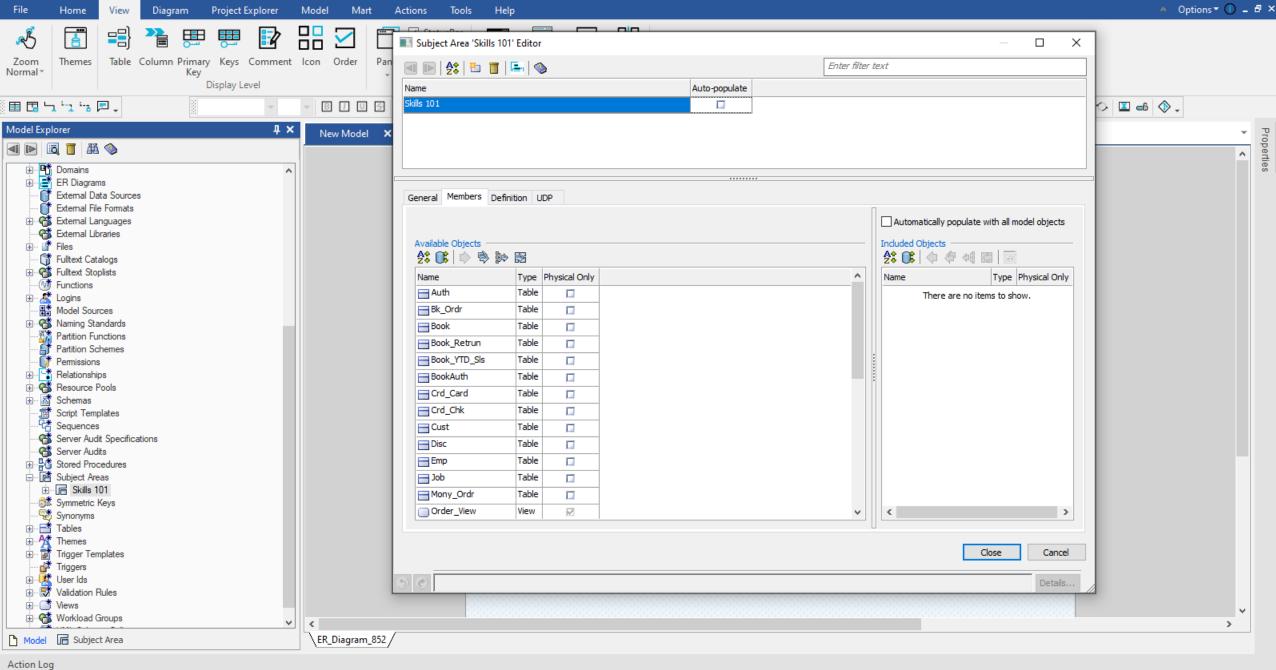
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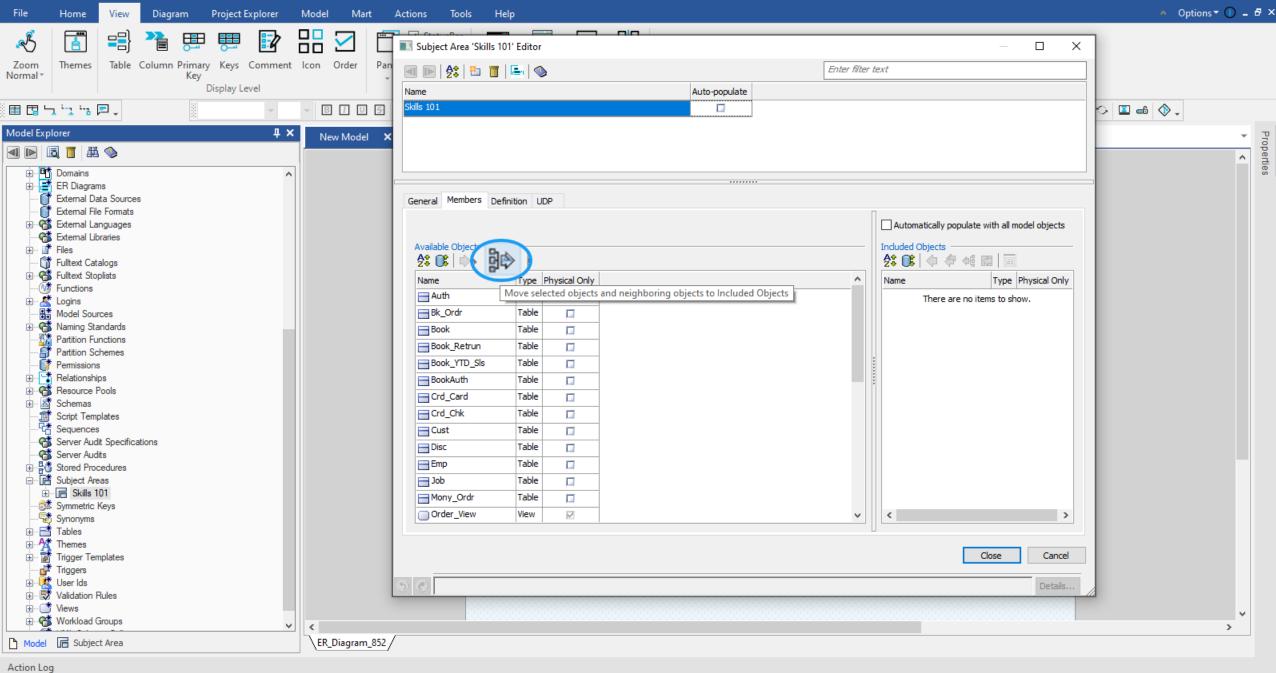
Create a Subject Area

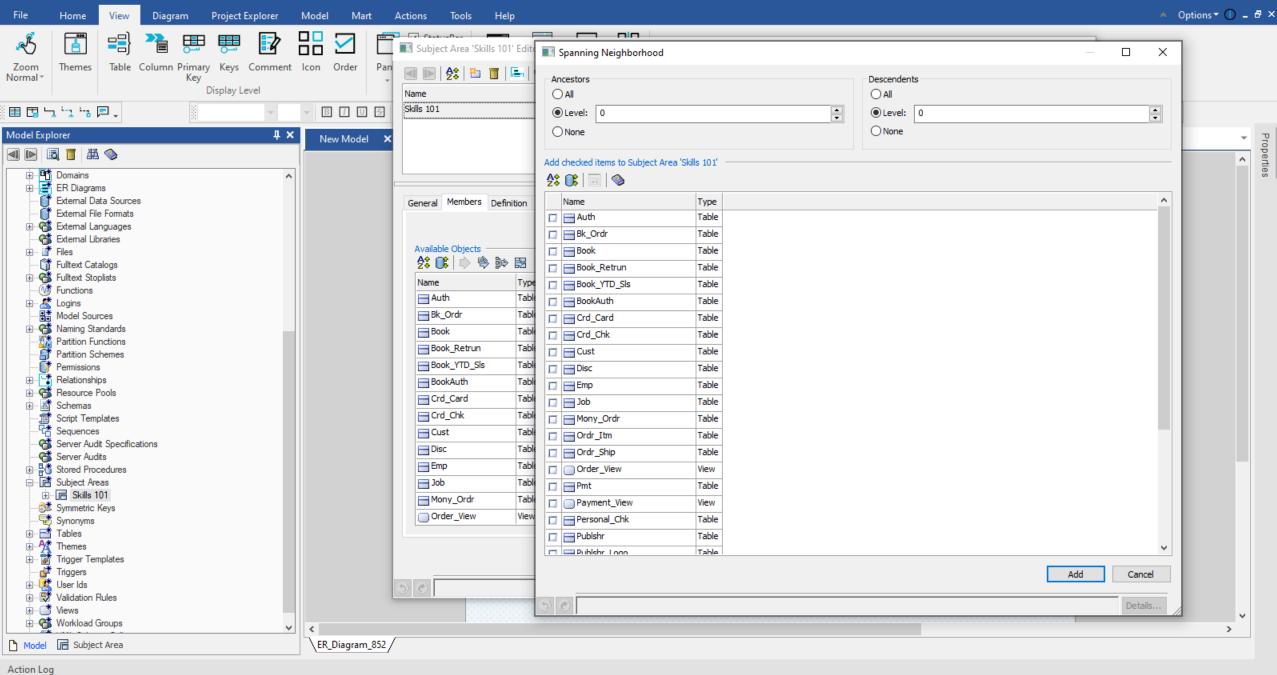


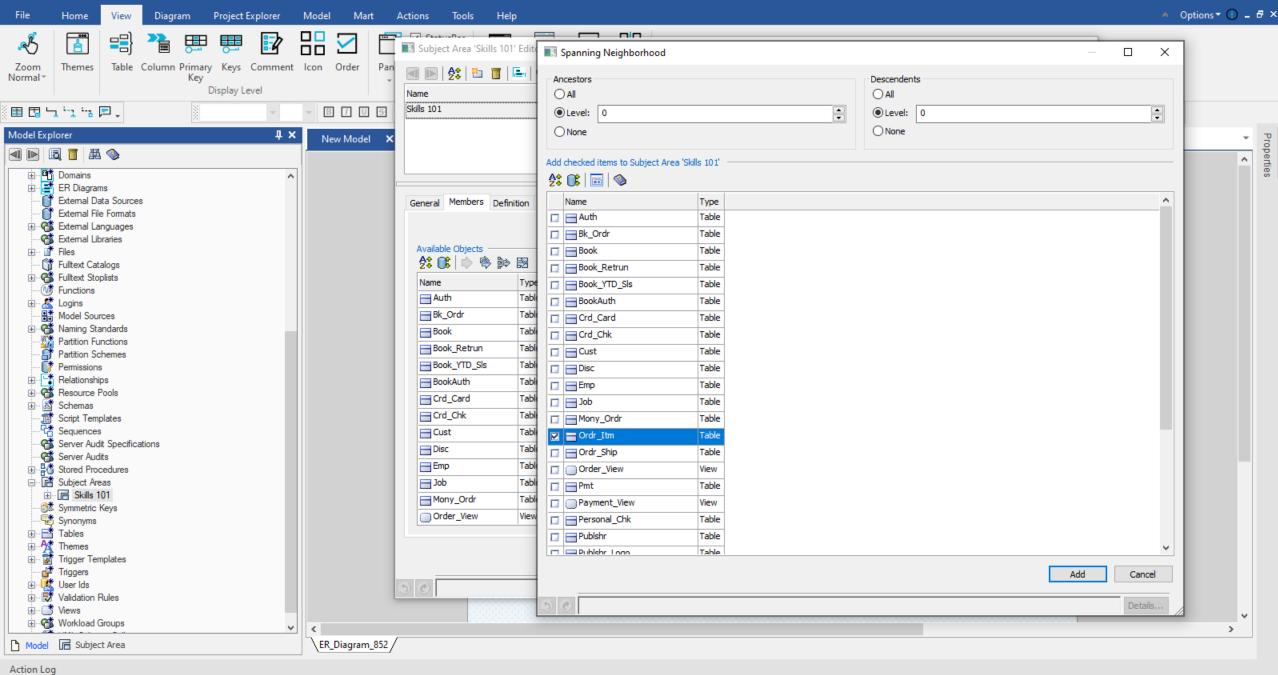


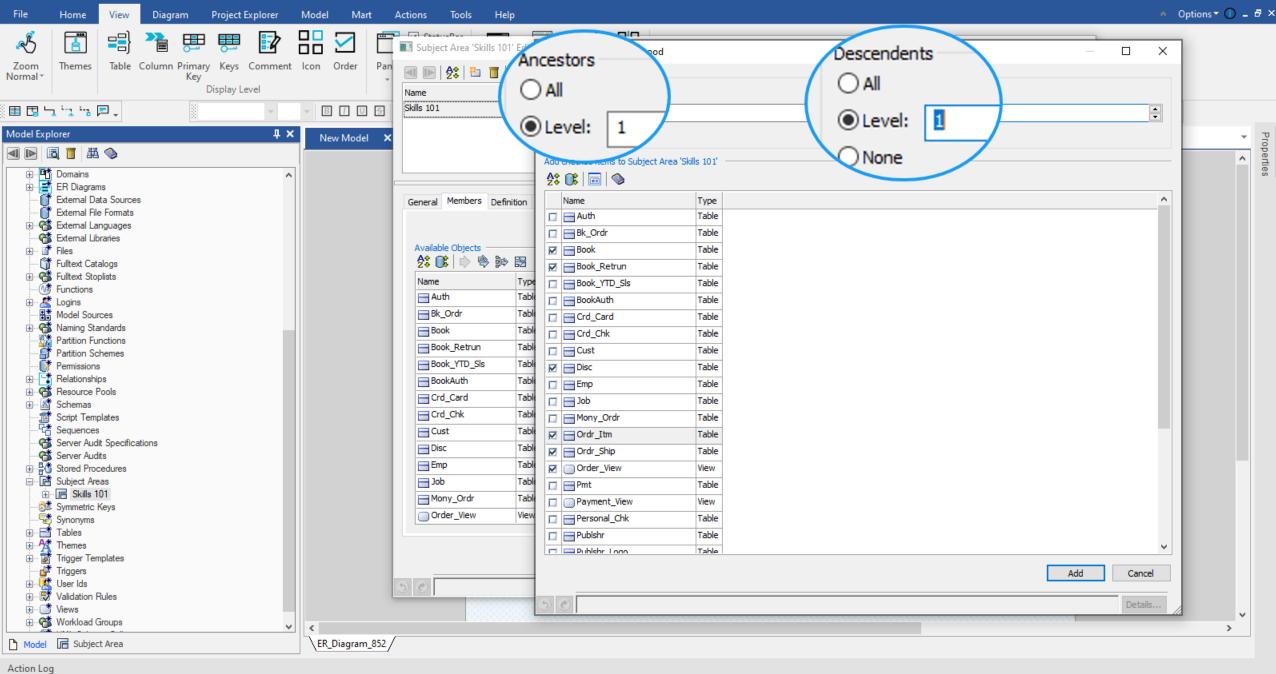


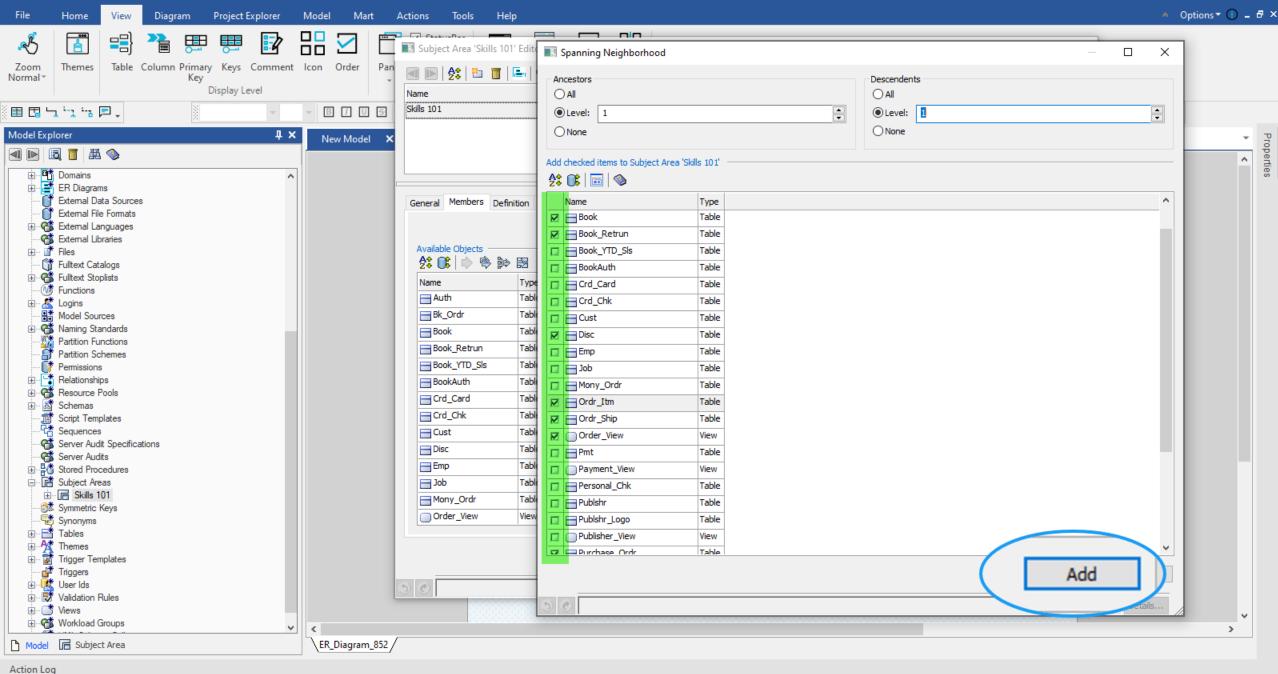
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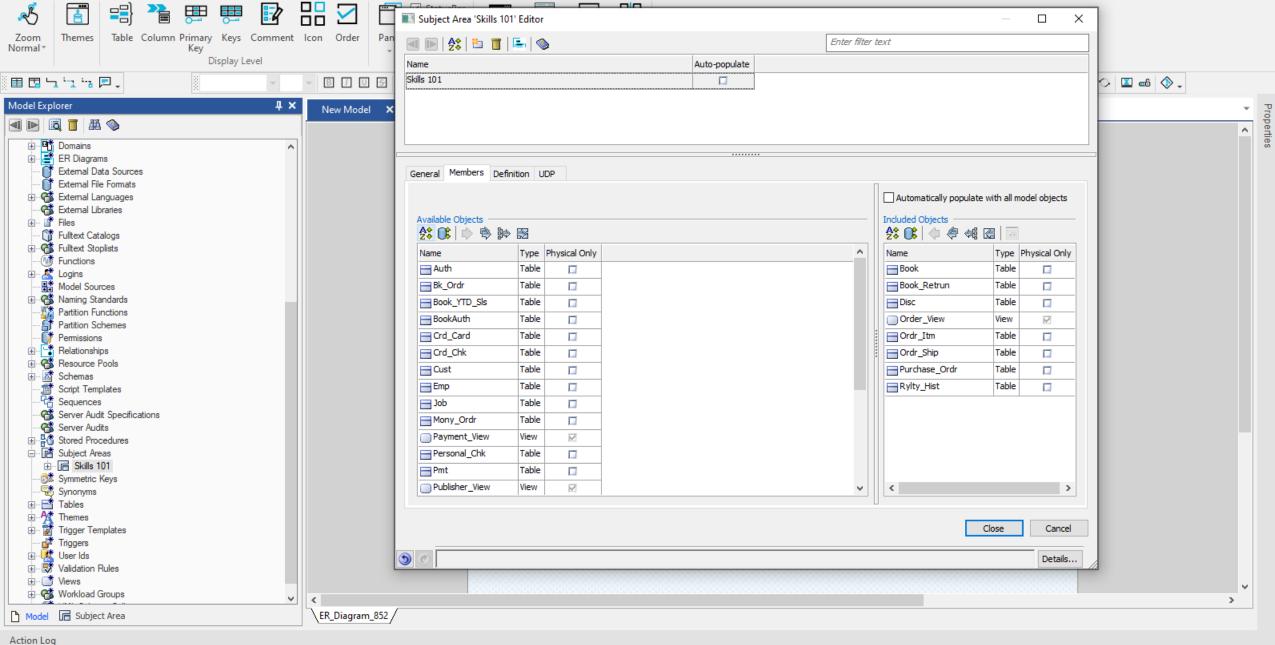










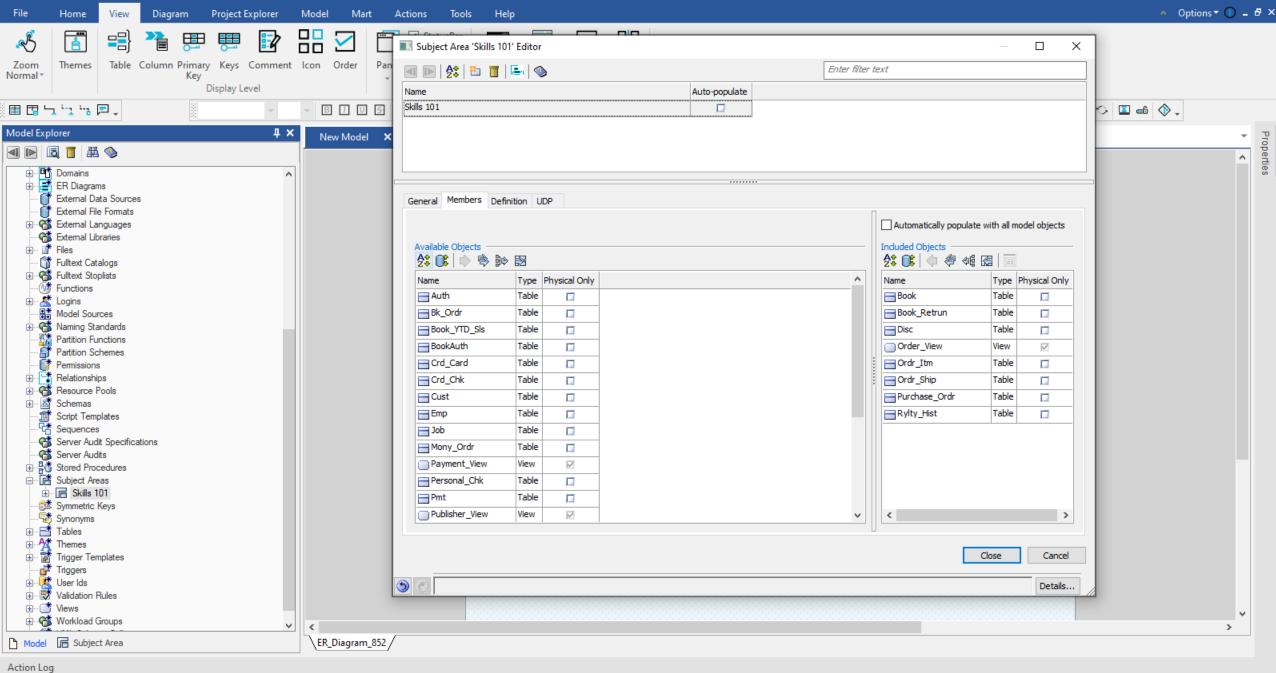


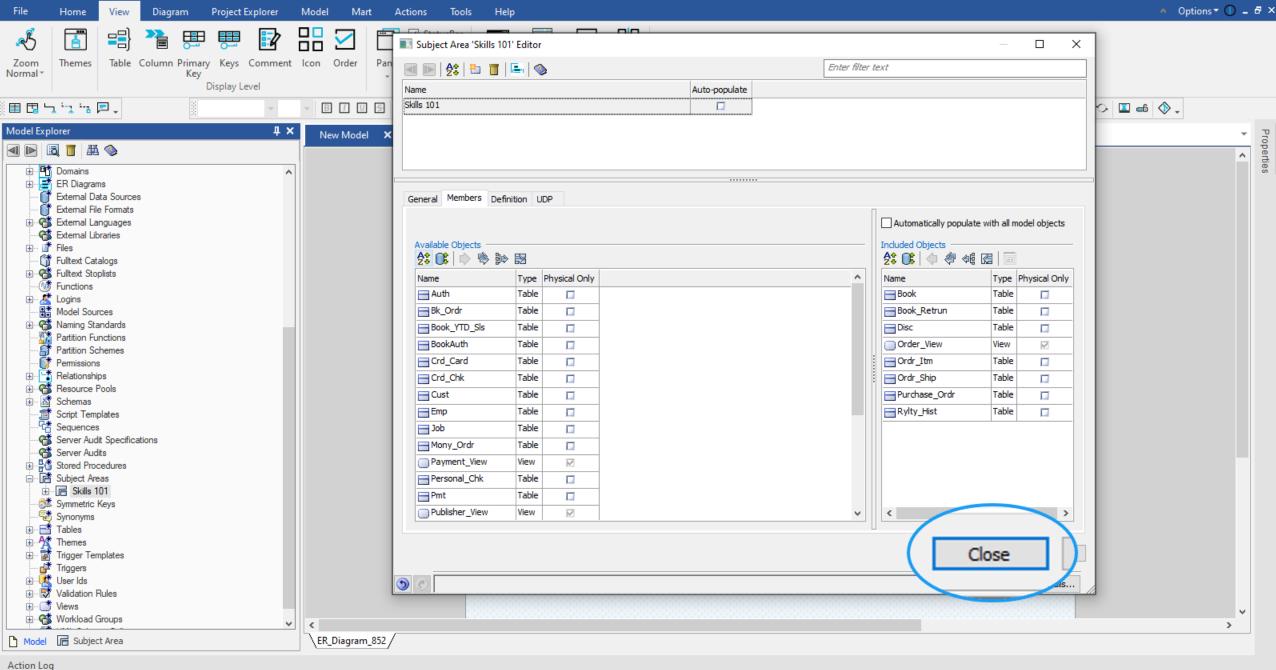
Model

Project Explorer

Home

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Non-Mart Model

SQL Server 2019/2022

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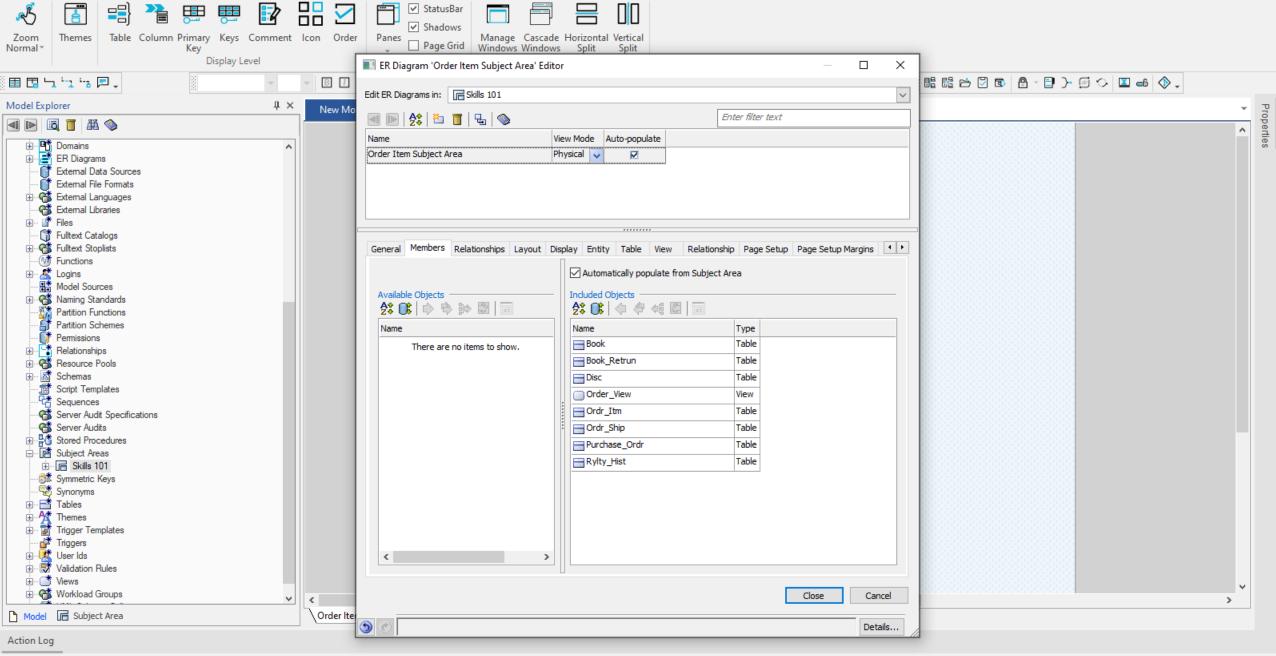
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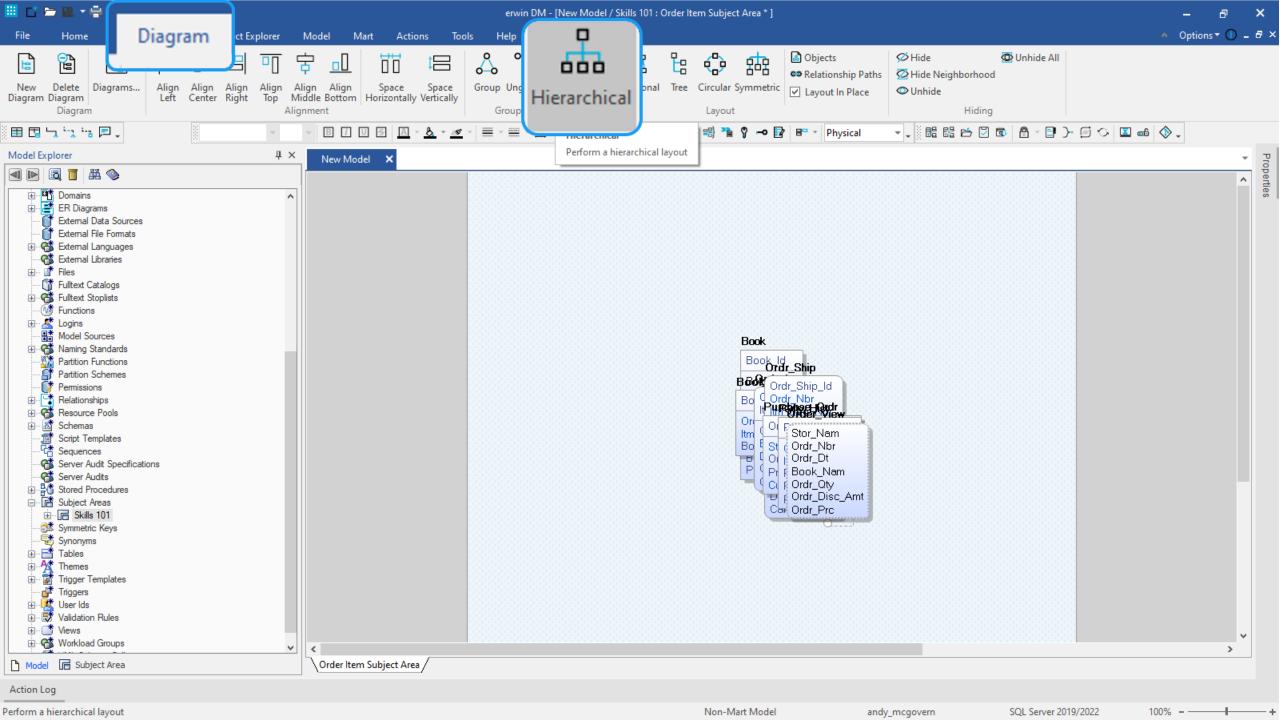


Non-Mart Model

Project Explorer

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Model



Non-Mart Model

SOL Server 2019/2022

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Zoom Model to fit the Window

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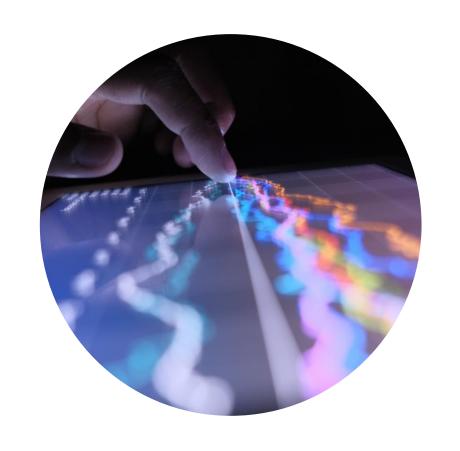
Non-Mart Model

SQL Server 2019/2022

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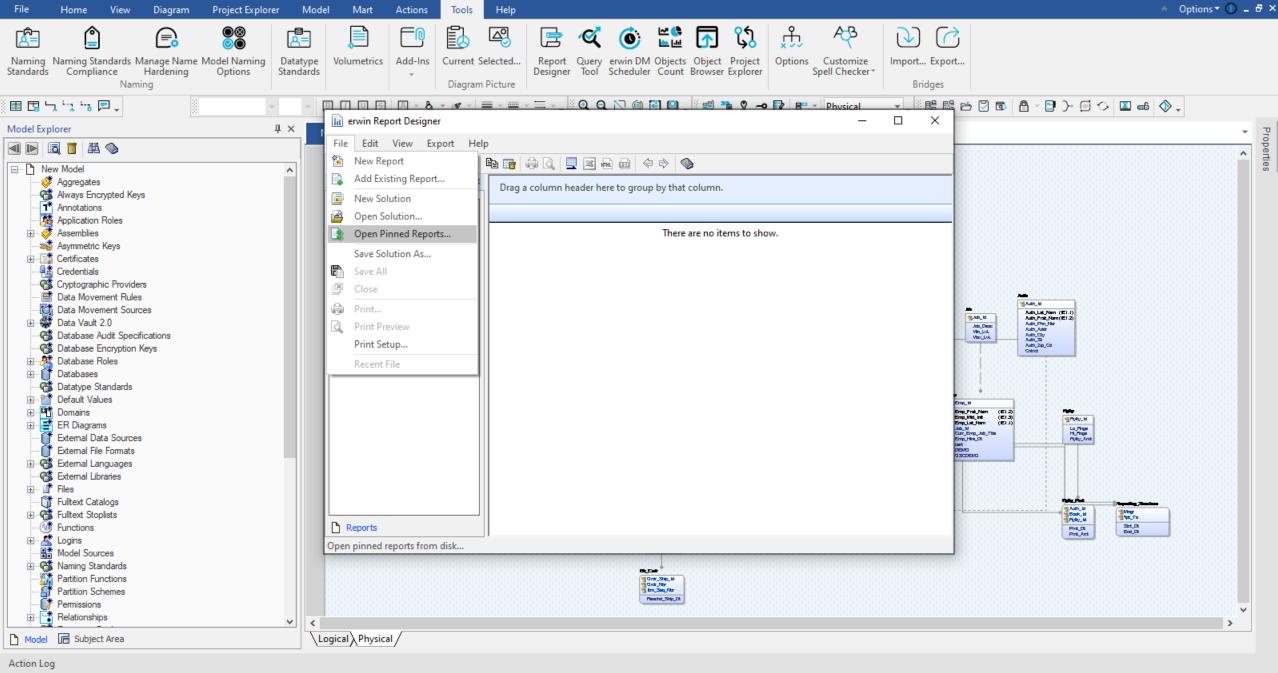
85% -

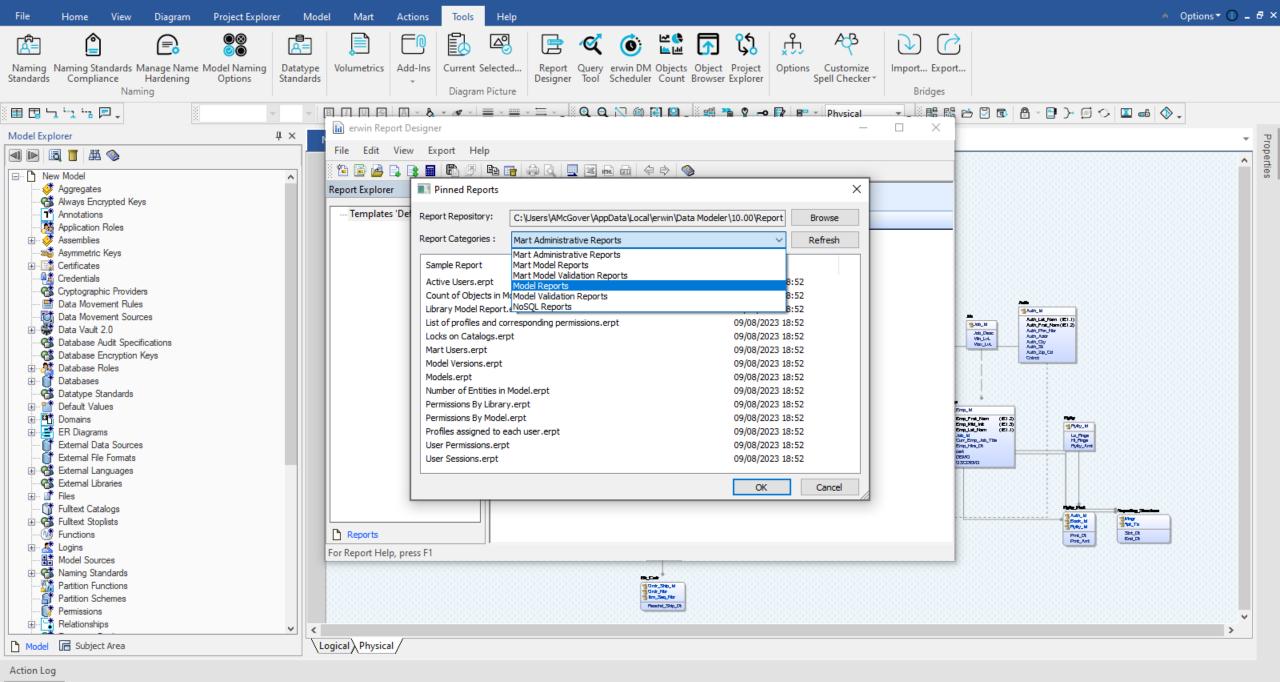
Create the Data Dictionary

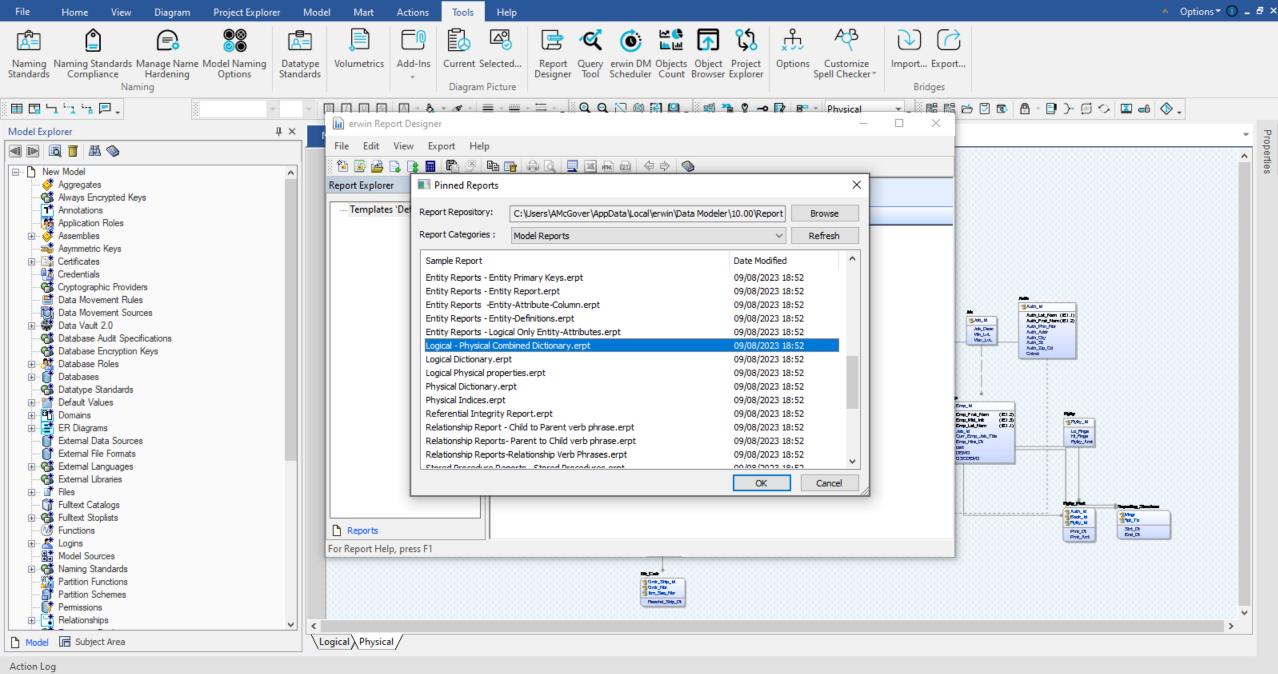




Invoke erwin Report Designer SQL Server 2019/2022 43% - + +







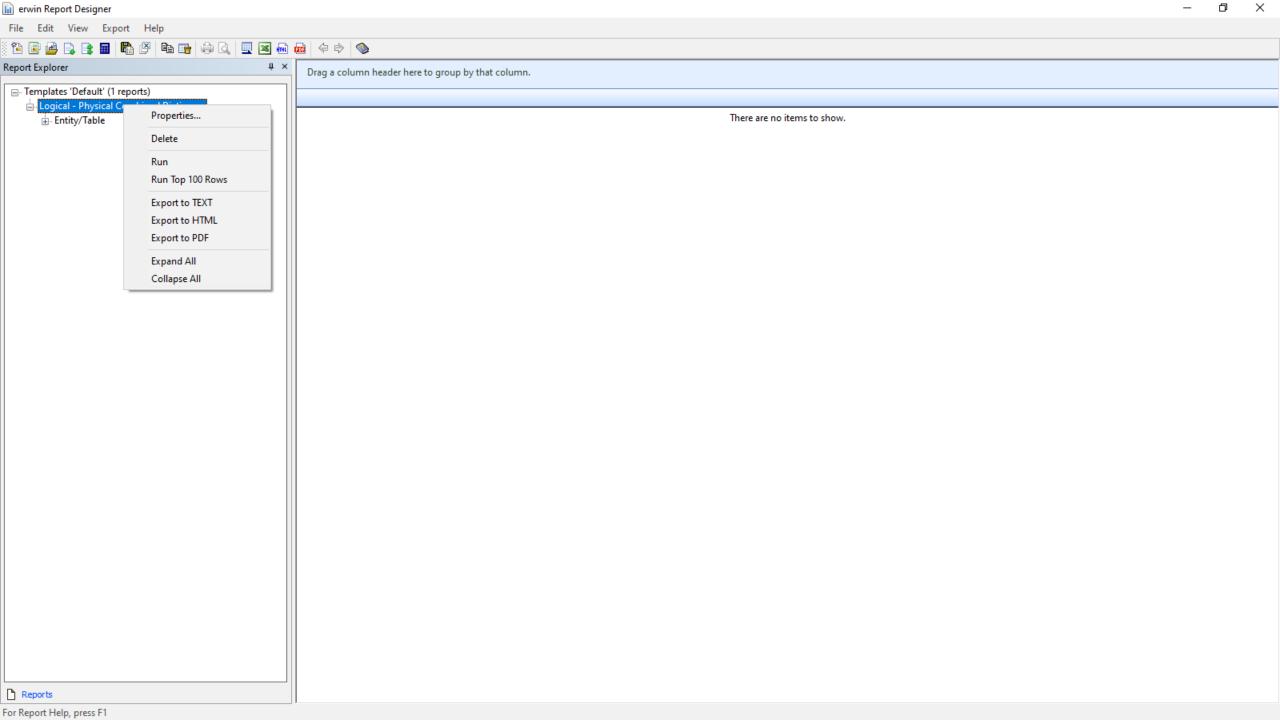
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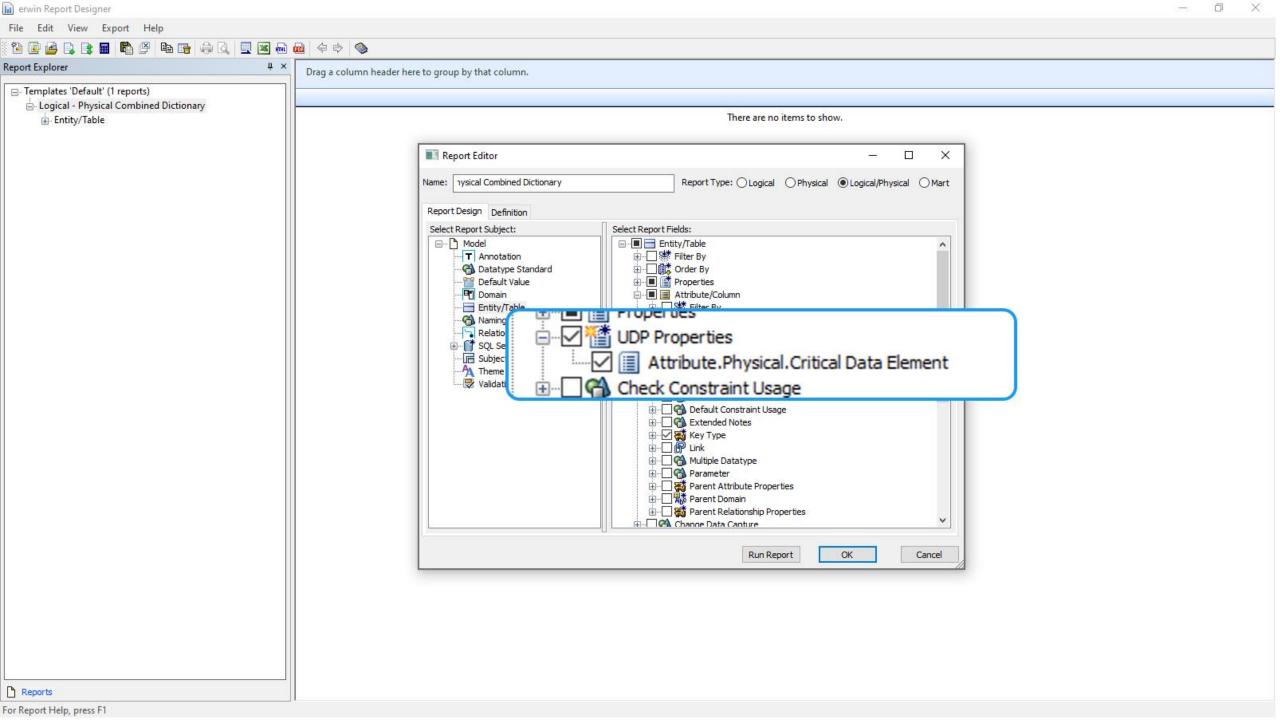
Non-Mart Model

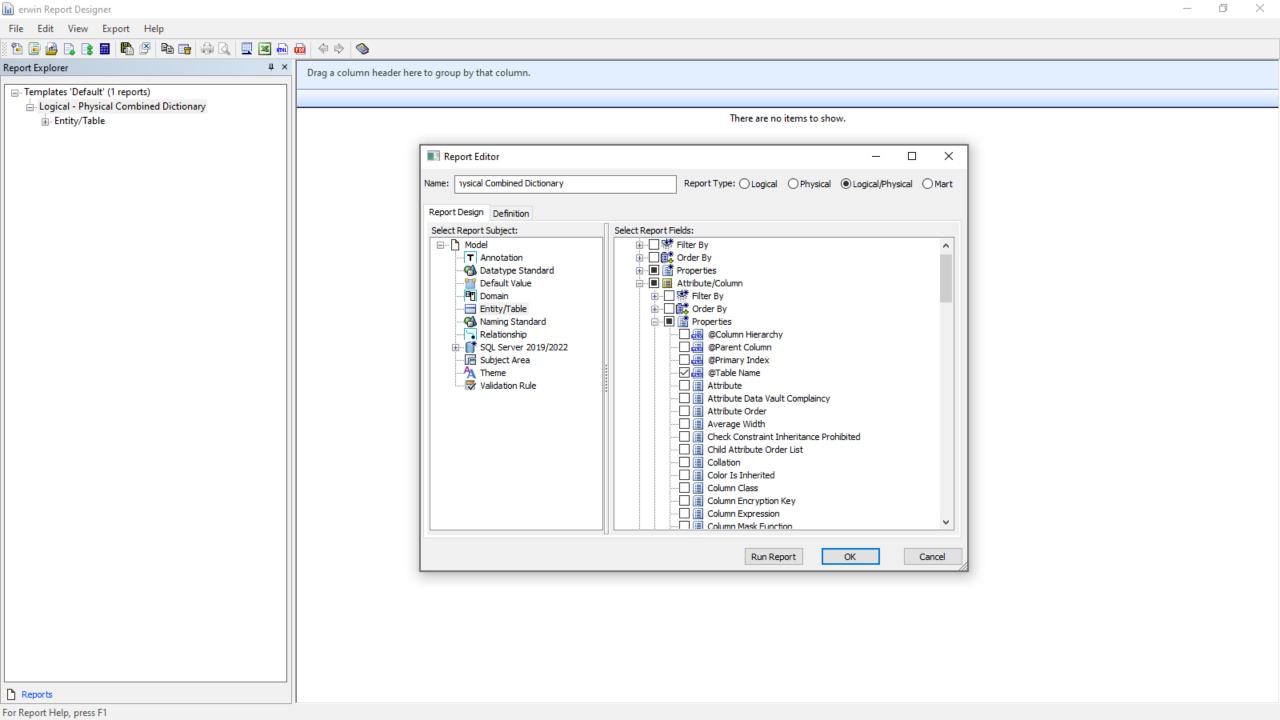
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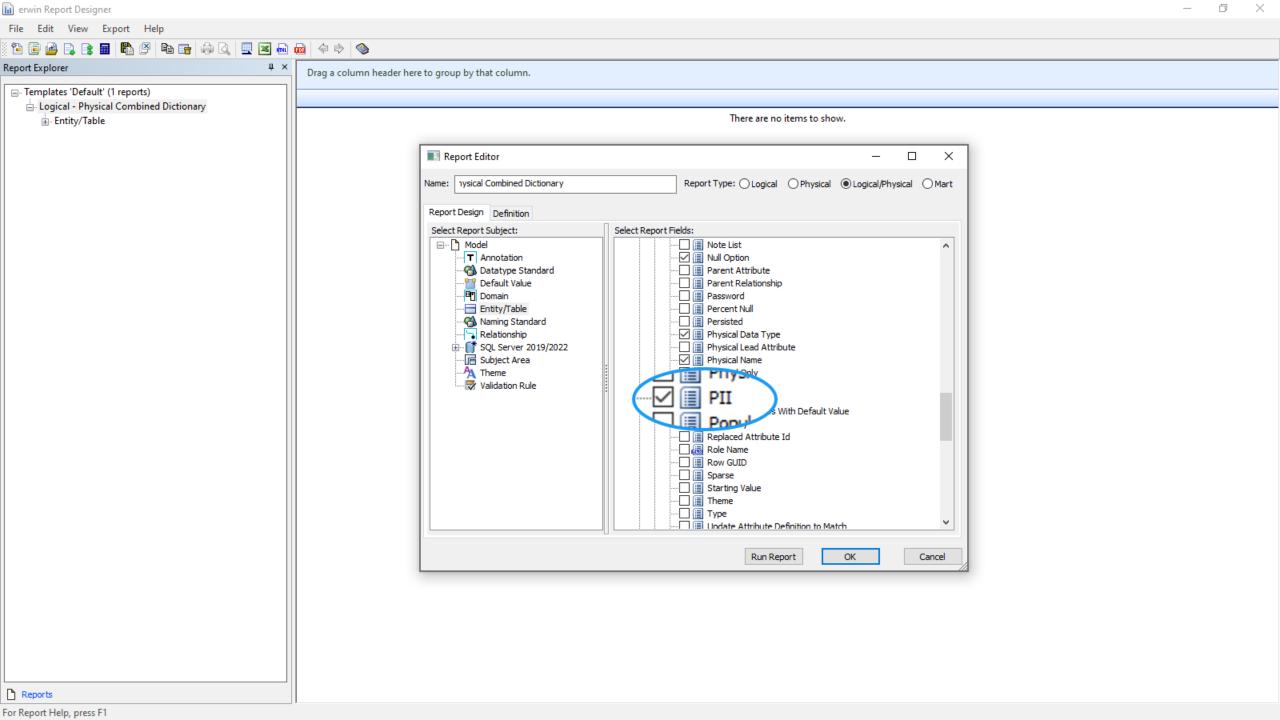
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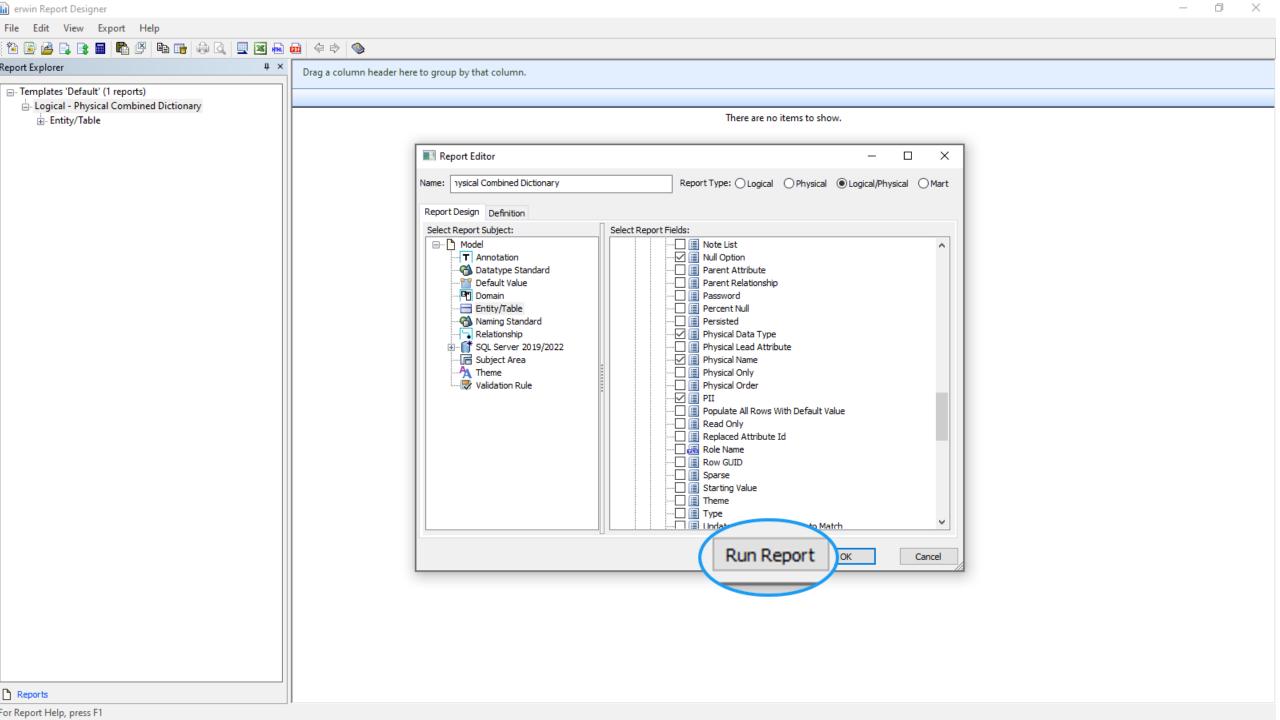
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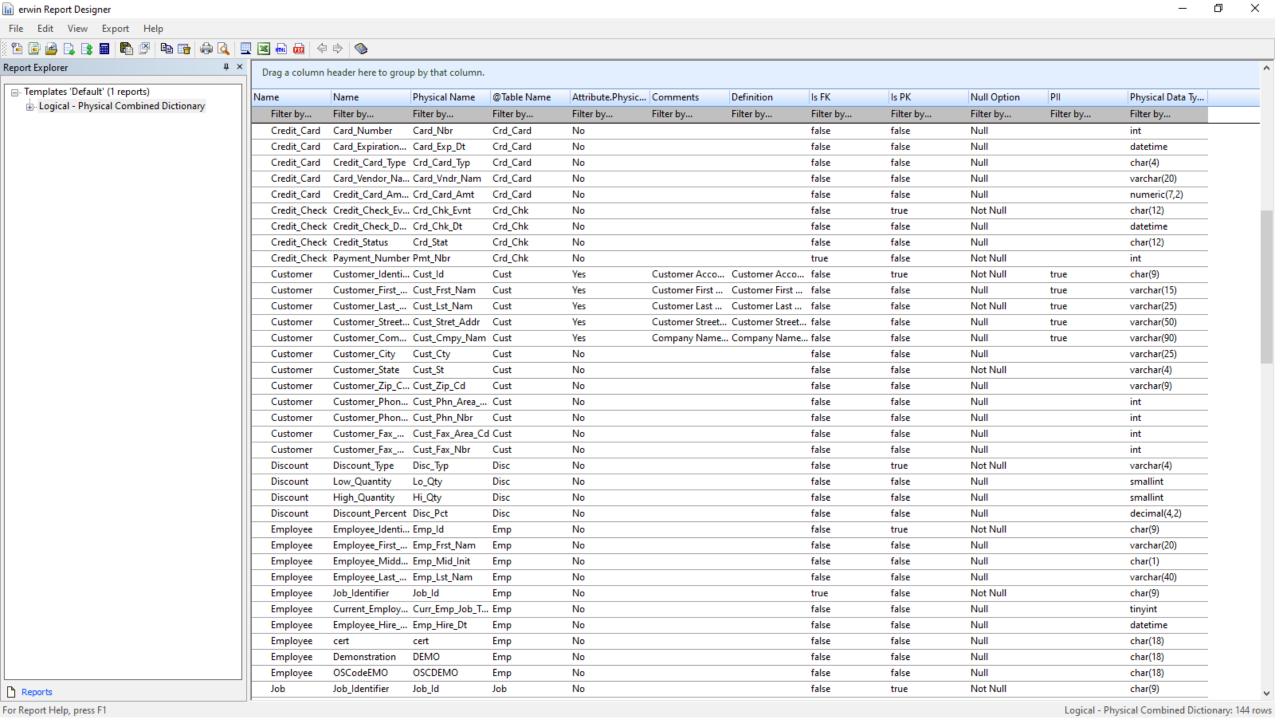


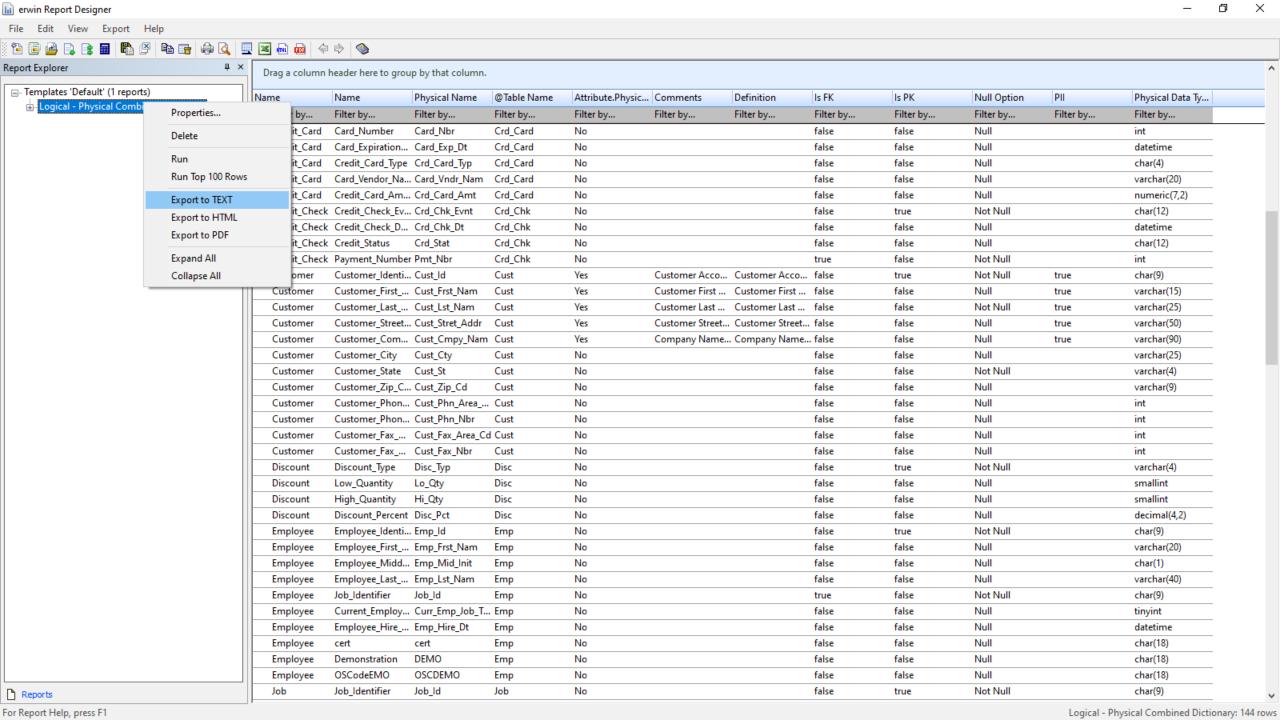












The Model in ER360







Where Next Meets Now.



Home

Browse

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View

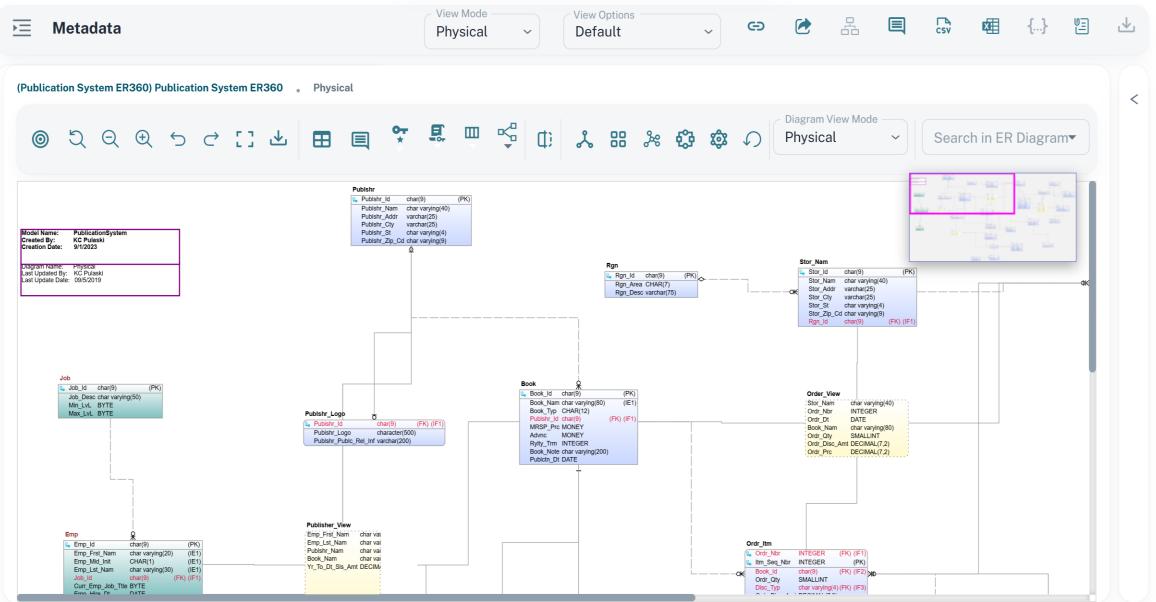
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Collection

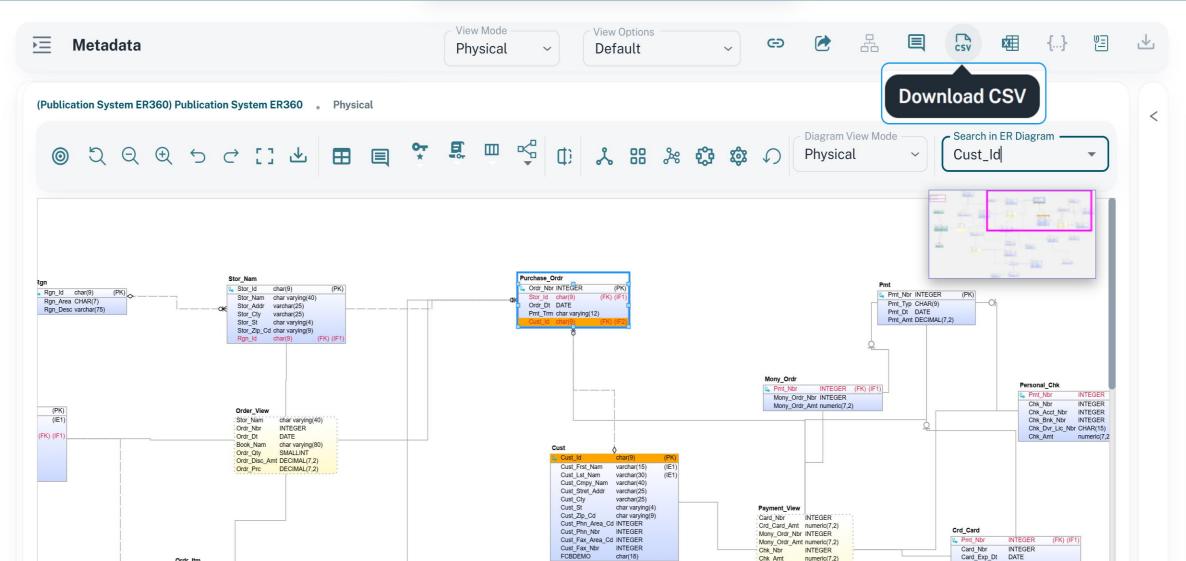
Worksheet

Devices











INTEGER

SMALLINT char varying(4) (FK) (IF3)

Low Itm_Seq_Nbr INTEGER

Book_ld

Ordr_Qty

erwin

Home

Browse

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View

EA

Collection

Worksheet

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Devices



Crd_Card_Typ CHAR(4)

Card_Vndr_Nam char varying(20)

Crd_Card_Amt numeric(7,2)

Cust_Frst_Nam varchar(15)

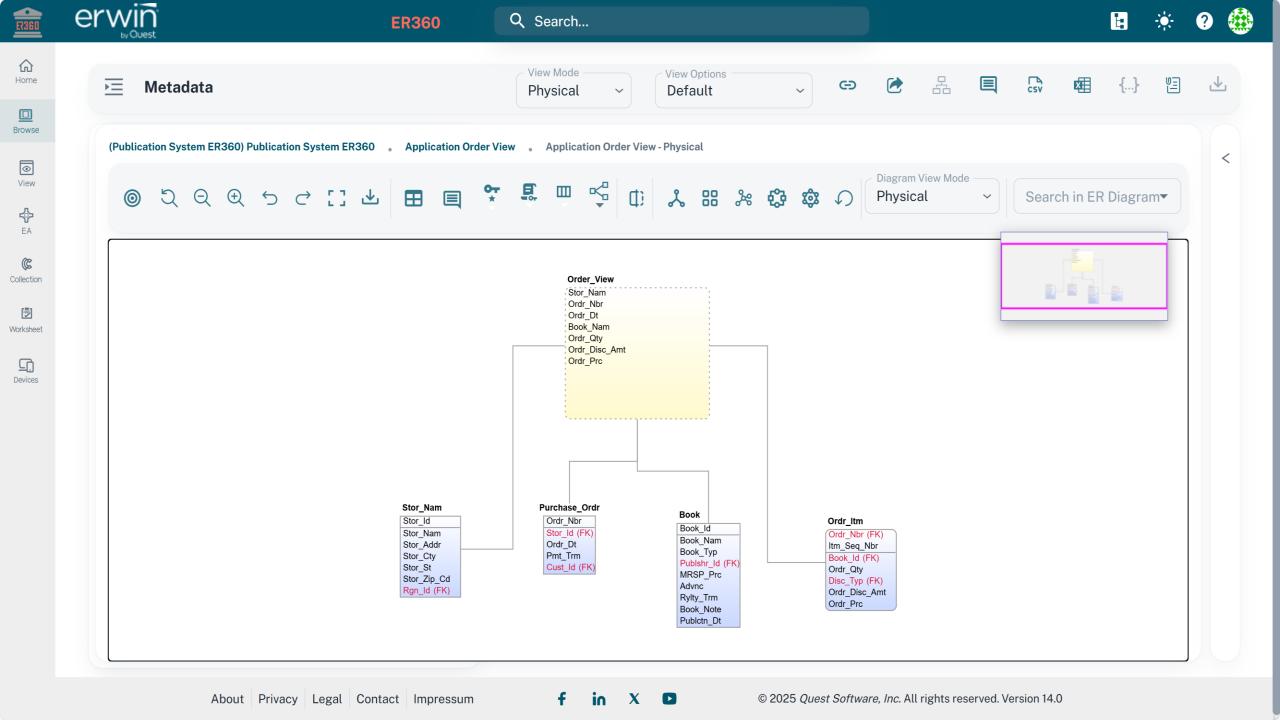
Cust_Lst_Nam varchar(30)

INTEGER

DATE

Ordr_Nbr

Ordr_Dt







Sample NSM







Logical and Physical Diagram Notations







Reference Links

erwin DM Bulk Editor

erwin DM Naming Standards

Create Reports Using erwin Report Designer



