# erwin DM

Revenue
Sept Oct Nov Dec
$ 3,553K | $2,688K
Analysing Dashboard
Total
1,000 %
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Ai

# Skills 101:erwin DM

## Episode 4

# Designing Data Structures with Intelligence


Andy McGovern

Sr. Principal Consultant
erwin DM

andy.mcgovern@quest.com

Quest
Where Next Meets Now.

# Erwin DM: Now More Powerful

At the core of the Workgroup Edition is the **Mart Portal**, a suite of features designed to enhance collaboration and control:

- **Model Access Controls**
- **Automatic Versioning**
- **Collaborative Modeling**
- **ER360 Web Portal**

With these tools, you can start with your baseline models and easily adapt them as your technology needs evolve—making your workflow more flexible, efficient, and aligned with your team's goals.

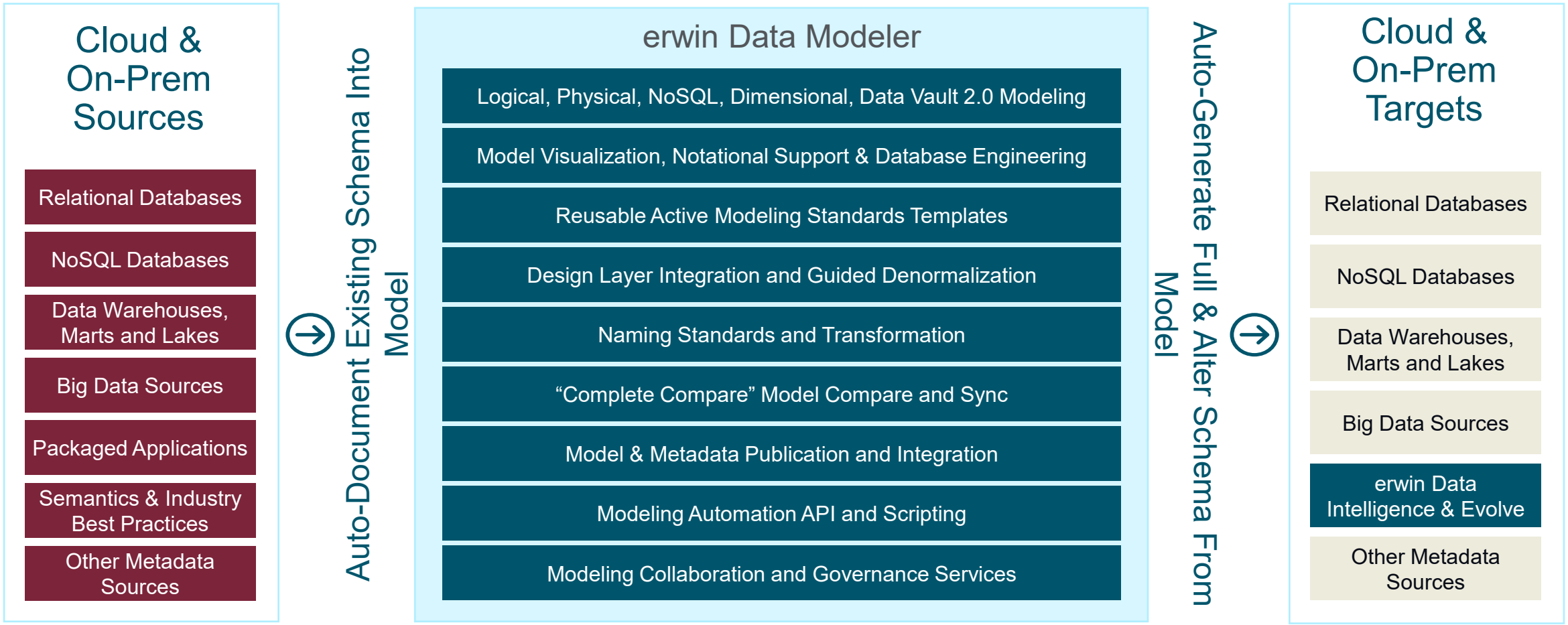
Quest
Where Next Meets Now.

# Agenda

- Generating DDL from a Physical Model
- Using Complete Compare for Impact Analysis & Script Generation
- How Automatic Versioning Works
- Centralized Active Model Templates for Standards Enforcement

Quest
Where Next Meets Now.

# Single Tool for Data Modeling & Design



# Broad DBMS Support and 3rd Party Integration

ORACLE

amazon REDSHIFT

MySQL

AVRO

hadoop

IBM DB2

snowflake

mongoDB

Couchbase

cassandra

Microsoft SQL Server

JDBC

Azure Synapse Analytics

SYBASE An SAP Company

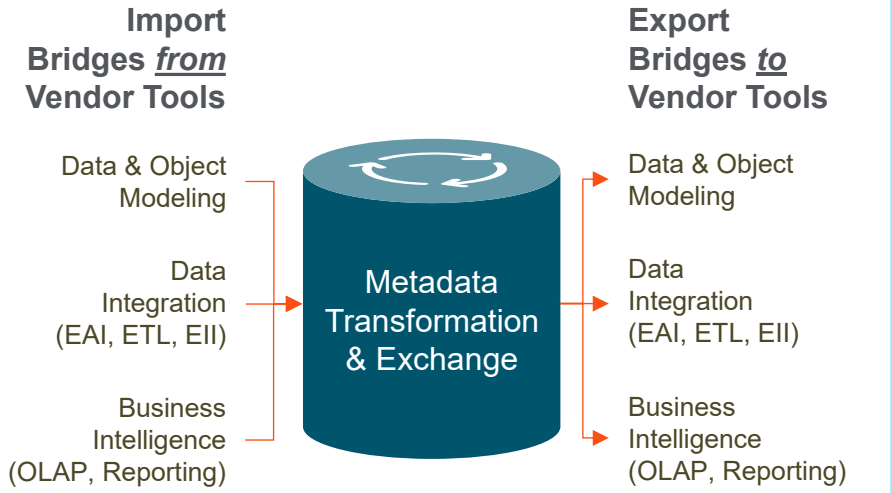
MariaDB

Azure

TERADATA

PostgreSQL

json



# Where we left off…

New Diagram | Delete Diagram | Diagrams... — Diagram
Align Left | Align Center | Align Right | Align Top | Align Middle | Align Bottom — Alignment
Space Horizontally | Space Vertically
Group | Ungroup — Group
Hierarchical | Orthogonal | Tree | Circular | Symmetric — Layout
Objects | Relationship Paths | Layout In Place
Hide | Hide Neighborhood | Unhide | Unhide All — Hiding

Physical

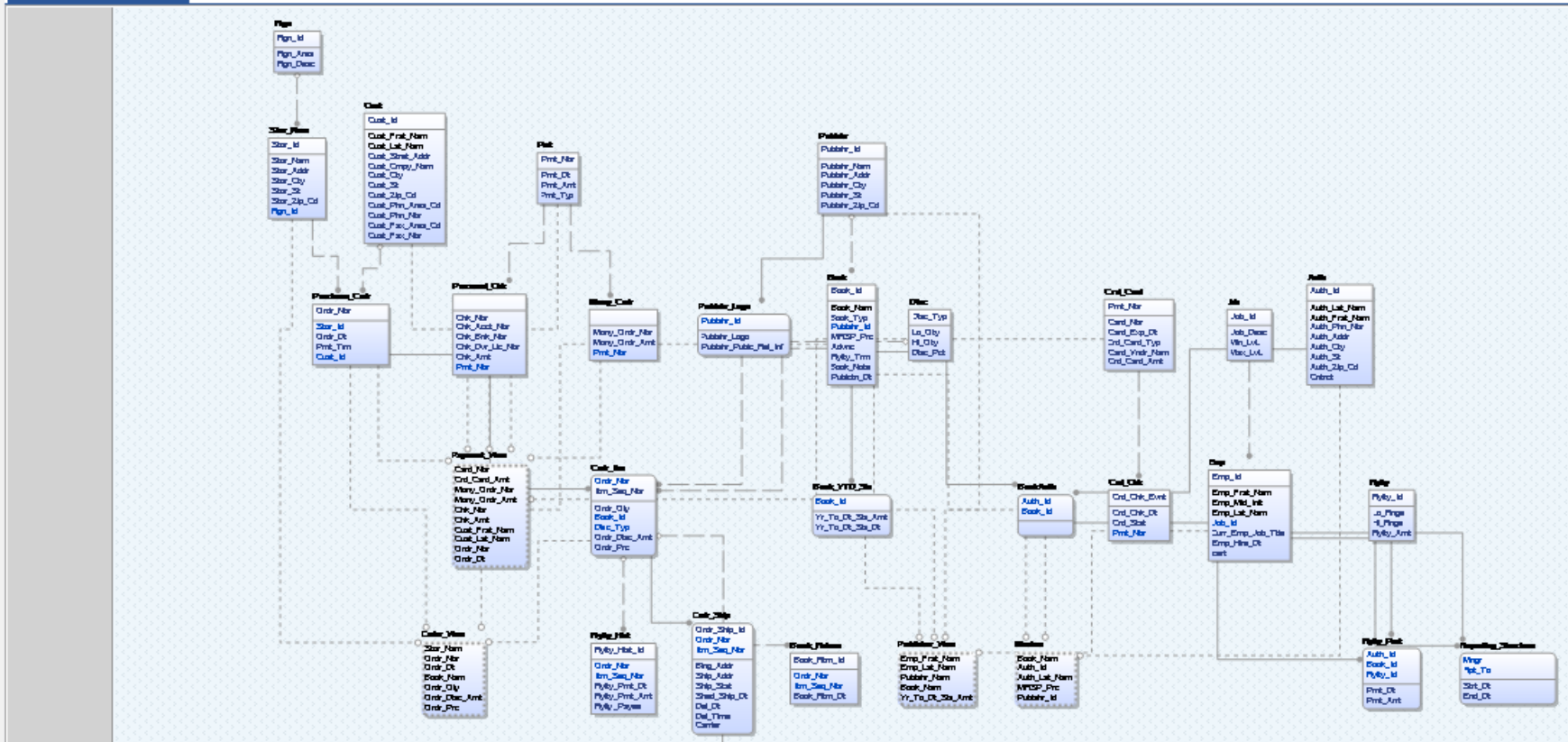
Model Explorer

- New Model
  - Aggregates
  - Always Encrypted Keys
  - Annotations
  - Application Roles
  - Assemblies
  - Asymmetric Keys
  - Certificates
  - Credentials
  - Cryptographic Providers
  - Data Movement Rules
  - Data Movement Sources
  - Data Vault 2.0
  - Database Audit Specifications
  - Database Encryption Keys
  - Database Roles
  - Databases
  - Datatype 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
  - Naming Standards
    - Publication System NSM
  - Partition Functions
  - Partition Schemes

Model | Subject Area

Project Explorer | Model Explorer

Model 1.erwin



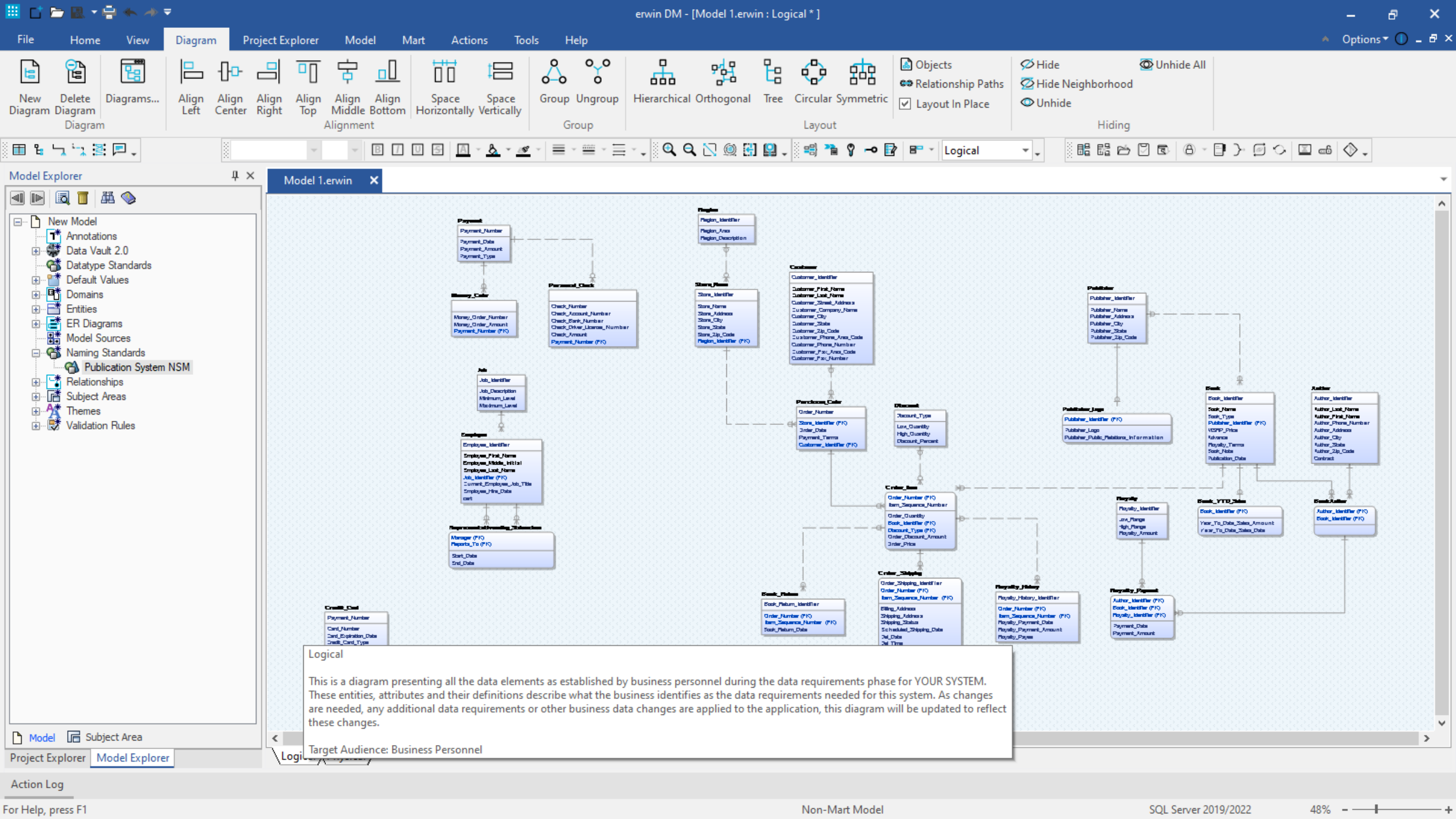
Physical

This diagram represents the physical implementation for the database supporting YOUR SYSTEM. All details for the physical database schema are available in this view to enable technical personnel in planning and scheduling database changes to this system.

Target Audience: Technical personnel

Logical | Physical

Action Log


erwin DM - [Model 1.erwin : Logical * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
New Diagram
Delete Diagram
Diagrams...
Diagram
Align Left
Align Center
Align Right
Align Top
Align Middle
Align Bottom
Alignment
Space Horizontally
Space Vertically
Group
Ungroup
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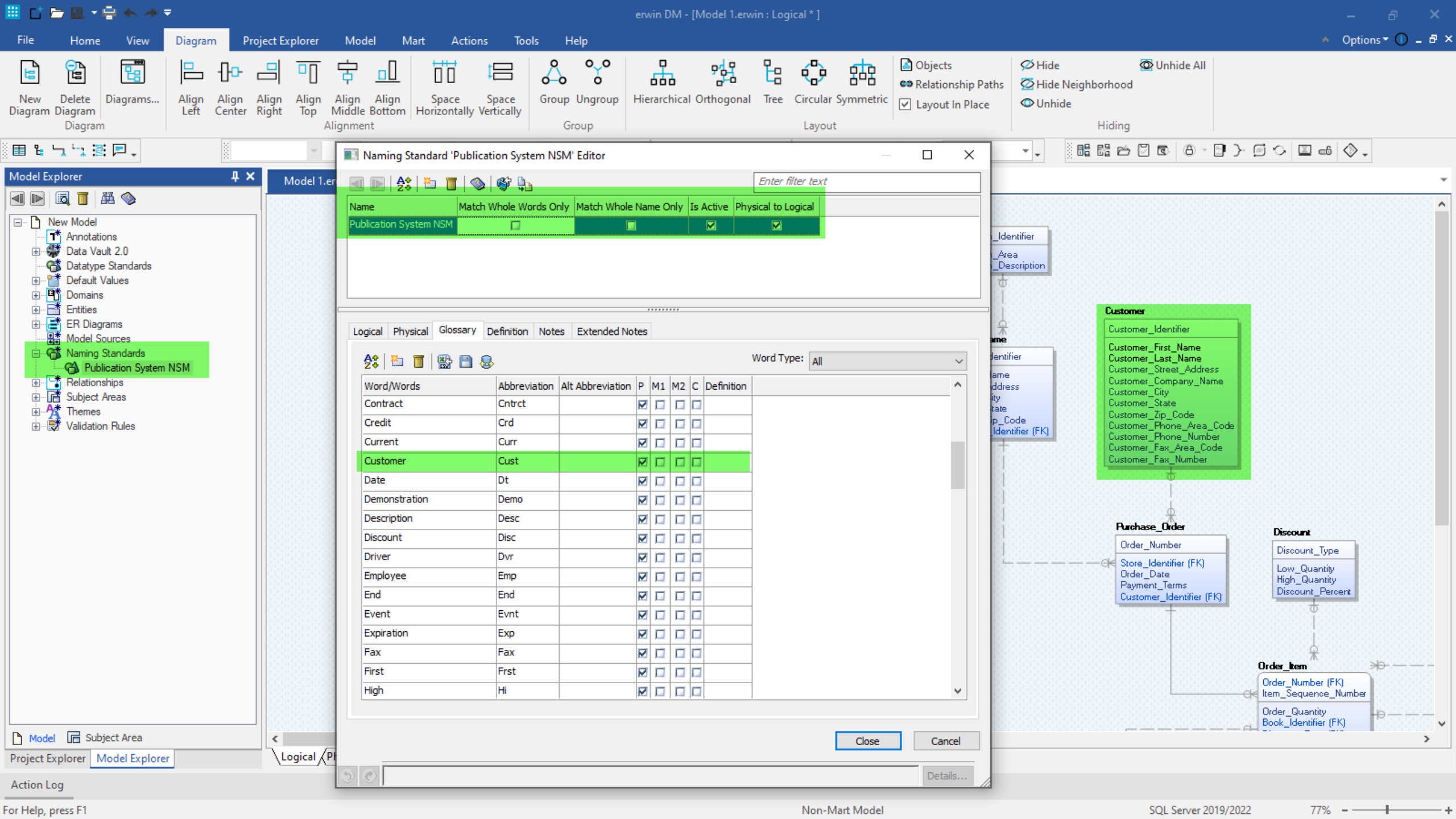
Hierarchical
Orthogonal
Tree
Circular
Symmetric
Layout
Objects
Relationship Paths
Layout In Place
Hide
Hide Neighborhood
Unhide
Unhide All
Hiding
Logical
Model Explorer
New Model
Annotations
Data Vault 2.0
Datatype Standards
Default Values
Domains
Entities
ER Diagrams
Model Sources
Naming Standards
Publication System NSM
Relationships
Subject Areas
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Model 1.erwin
Logical
This is a diagram presenting all the data elements as established by business personnel during the data requirements phase for YOUR SYSTEM. These entities, attributes and their definitions describe what the business identifies as the data requirements needed for this system. As changes are needed, any additional data requirements or other business data changes are applied to the application, this diagram will be updated to reflect these changes.
Target Audience: Business Personnel
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
48%


erwin DM - [Model 1.erwin : Logical * ]
File Home View Diagram Project Explorer Model Mart Actions Tools Help
Options
New Diagram
Delete Diagram
Diagrams...
Diagram
Align Left
Align Center
Align Right
Align Top
Align Middle
Align Bottom
Alignment
Space Horizontally
Space Vertically
Group
Ungroup
Group
Hierarchical
Orthogonal
Tree
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Symmetric
Layout
Objects
Relationship Paths
Layout In Place
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Unhide
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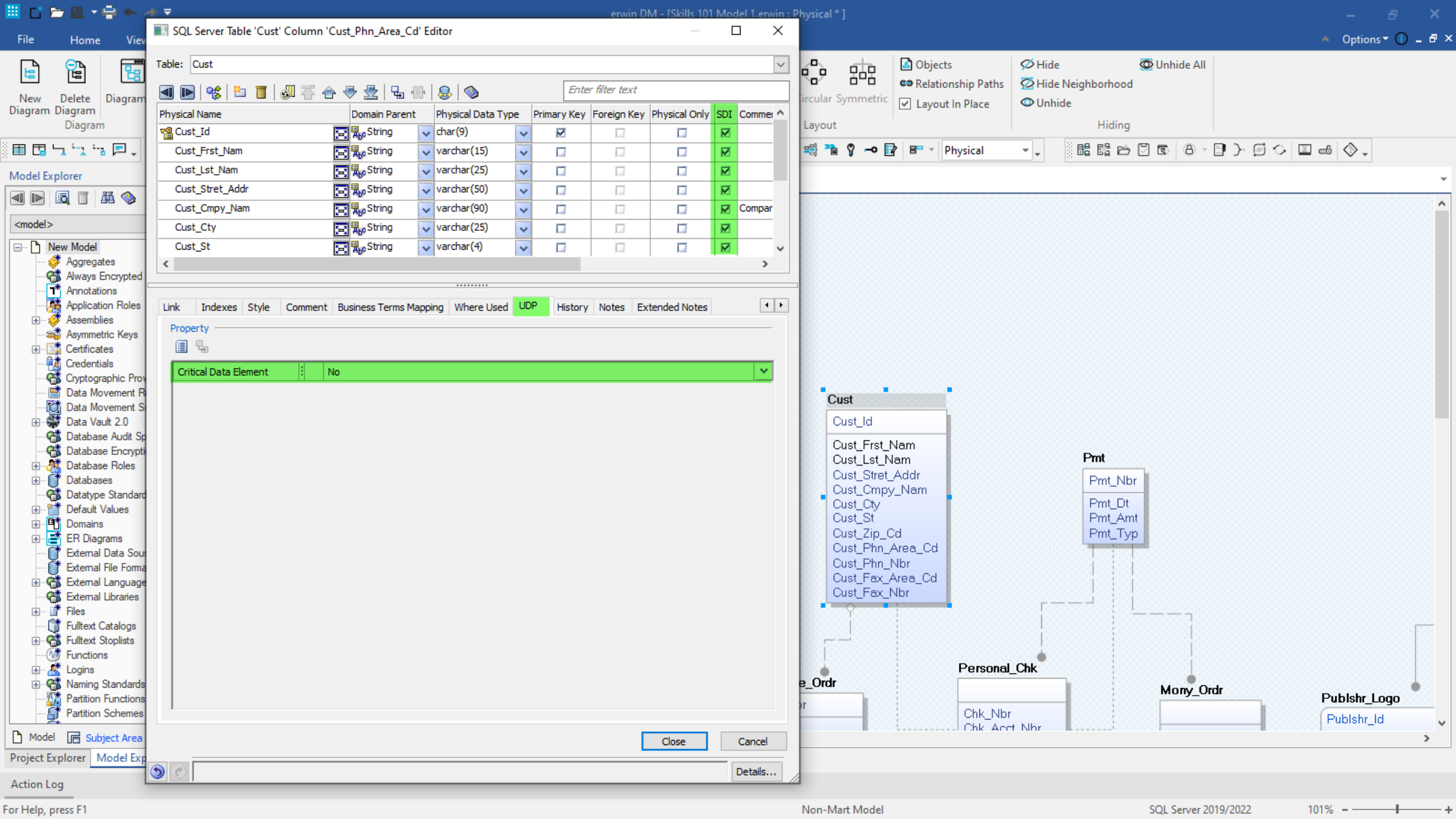
Model Explorer
New Model
Annotations
Data Vault 2.0
Datatype Standards
Default Values
Domains
Entities
ER Diagrams
Model Sources
Naming Standards
Publication System NSM
Relationships
Subject Areas
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Model 1.er
Logical
Naming Standard 'Publication System NSM' Editor
Enter filter text
Name
Match Whole Words Only
Match Whole Name Only
Is Active
Physical to Logical
Publication System NSM
Logical
Physical
Glossary
Definition
Notes
Extended Notes
Word Type:
All
Word/Words
Abbreviation
Alt Abbreviation
P
M1
M2
C
Definition
Contract Cntrct
Credit Crd
Current Curr
Customer Cust
Date Dt
Demonstration Demo
Description Desc
Discount Disc
Driver Dvr
Employee Emp
End End
Event Evnt
Expiration Exp
Fax Fax
First Frst
High Hi
Close
Cancel
Details...
Customer
Customer_Identifier
Customer_First_Name
Customer_Last_Name
Customer_Street_Address
Customer_Company_Name
Customer_City
Customer_State
Customer_Zip_Code
Customer_Phone_Area_Code
Customer_Phone_Number
Customer_Fax_Area_Code
Customer_Fax_Number
Purchase_Order
Order_Number
Store_Identifier (FK)
Order_Date
Payment_Terms
Customer_Identifier (FK)
Discount
Discount_Type
Low_Quantity
High_Quantity
Discount_Percent
Order_Item
Order_Number (FK)
Item_Sequence_Number
Order_Quantity
Book_Identifier (FK)
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
77%


SQL Server Table 'Cust' Column 'Cust_Phn_Area_Cd' Editor
Table: Cust
Enter filter text
Physical Name
Domain Parent
Physical Data Type
Primary Key
Foreign Key
Physical Only
SDI
Cust_Id
String
char(9)
Cust_Frst_Nam
varchar(15)
Cust_Lst_Nam
varchar(25)
Cust_Stret_Addr
varchar(50)
Cust_Cmpy_Nam
varchar(90)
Cust_Cty
varchar(25)
Cust_St
varchar(4)
Link
Indexes
Style
Comment
Business Terms Mapping
Where Used
UDP
History
Notes
Extended Notes
Property
Critical Data Element
No
Close
Cancel
Details...
Model Explorer
New Model
Aggregates
Always Encrypted
Annotations
Application Roles
Assemblies
Asymmetric Keys
Certificates
Credentials
Data Vault 2.0
Database Roles
Databases
Default Values
Domains
ER Diagrams
Files
Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Naming Standards
Partition Functions
Partition Schemes
Model
Subject Area
Project Explorer
Action Log
Cust
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Cust_Frst_Nam
Cust_Lst_Nam
Cust_Stret_Addr
Cust_Cmpy_Nam
Cust_Cty
Cust_St
Cust_Zip_Cd
Cust_Phn_Area_Cd
Cust_Phn_Nbr
Cust_Fax_Area_Cd
Cust_Fax_Nbr
Pmt
Pmt_Nbr
Pmt_Dt
Pmt_Amt
Pmt_Typ
Personal_Chk
Chk_Nbr
Mony_Ordr
Publshr_Logo
Publshr_Id
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Relationship Paths
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Hiding
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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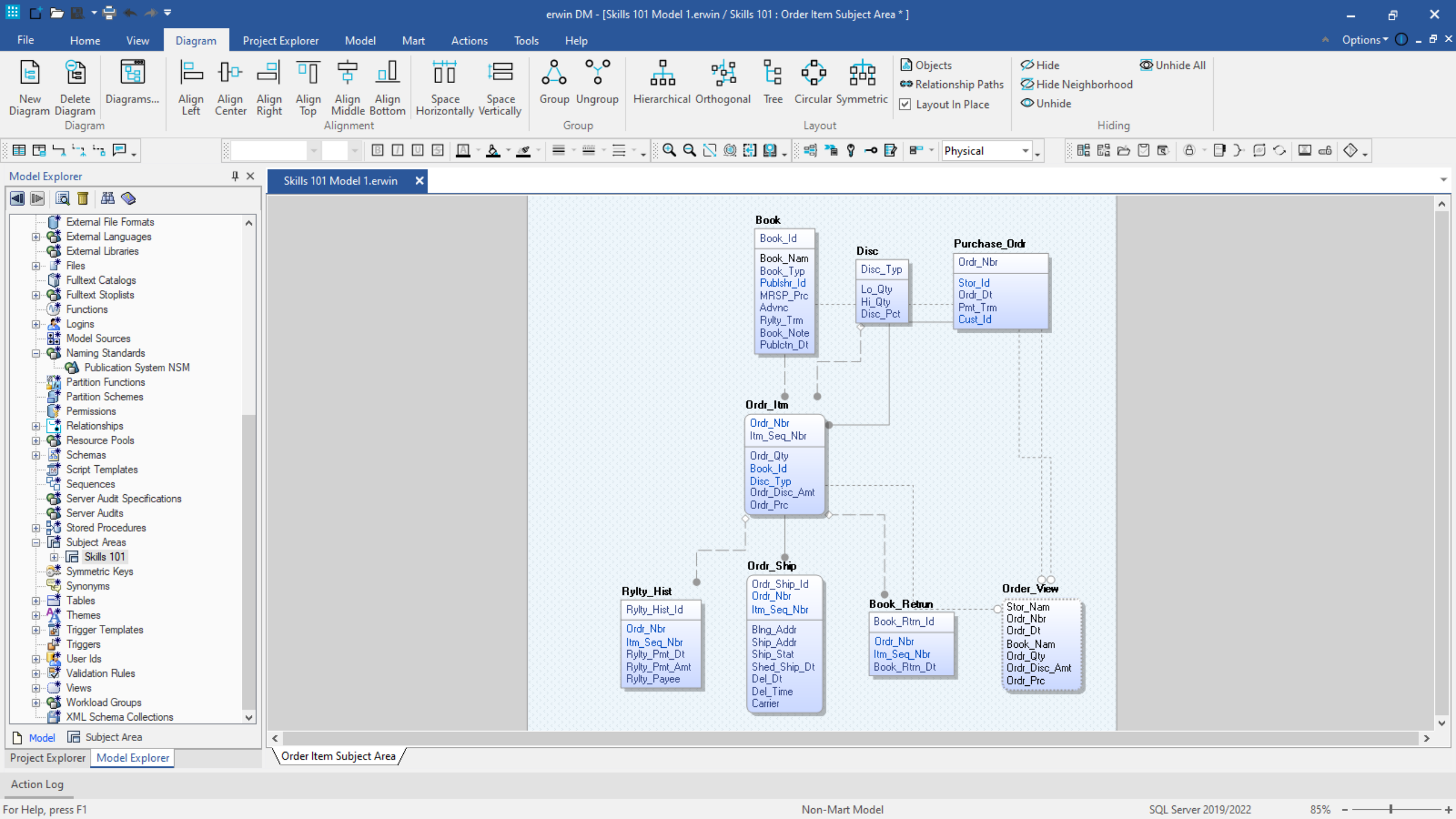
erwin DM - [Skills 101 Model 1.erwin / Skills 101 : Order Item Subject Area * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
New Diagram
Delete Diagram
Diagrams...
Diagram
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Align Center
Align Right
Align Top
Align Middle
Align Bottom
Alignment
Space Horizontally
Space Vertically
Group
Ungroup
Group
Hierarchical
Orthogonal
Tree
Circular
Symmetric
Layout
Objects
Relationship Paths
Layout In Place
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Hide Neighborhood
Unhide
Unhide All
Hiding
Physical
Model Explorer
External File Formats
External Languages
External Libraries
Files
Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Model Sources
Naming Standards
Publication System NSM
Partition Functions
Partition Schemes
Permissions
Relationships
Resource Pools
Schemas
Script Templates
Sequences
Server Audit Specifications
Server Audits
Stored Procedures
Subject Areas
Skills 101
Symmetric Keys
Synonyms
Tables
Themes
Trigger Templates
Triggers
User Ids
Validation Rules
Views
Workload Groups
XML Schema Collections
Model
Subject Area
Project Explorer
Model Explorer
Skills 101 Model 1.erwin
Book
Book_Id
Book_Nam
Book_Typ
Publshr_Id
MRSP_Prc
Advnc
Rylty_Trm
Book_Note
Publctn_Dt
Disc
Disc_Typ
Lo_Qty
Hi_Qty
Disc_Pct
Purchase_Ordr
Ordr_Nbr
Stor_Id
Ordr_Dt
Pmt_Trm
Cust_Id
Ordr_Itm
Ordr_Nbr
Itm_Seq_Nbr
Ordr_Qty
Book_Id
Disc_Typ
Ordr_Disc_Amt
Ordr_Prc
Ordr_Ship
Ordr_Ship_Id
Ordr_Nbr
Itm_Seq_Nbr
Blng_Addr
Ship_Addr
Ship_Stat
Shed_Ship_Dt
Del_Dt
Del_Time
Carrier
Rylty_Hist
Rylty_Hist_Id
Ordr_Nbr
Itm_Seq_Nbr
Rylty_Pmt_Dt
Rylty_Pmt_Amt
Rylty_Payee
Book_Return
Book_Rtrn_Id
Ordr_Nbr
Itm_Seq_Nbr
Book_Rtrn_Dt
Order_View
Stor_Nam
Ordr_Nbr
Ordr_Dt
Book_Nam
Ordr_Qty
Ordr_Disc_Amt
Ordr_Prc
Order Item Subject Area
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
85%

erwin Report Designer

File Edit View Export Help

Report Explorer

Templates 'Default' (1 reports)

Logical - Physical Combi

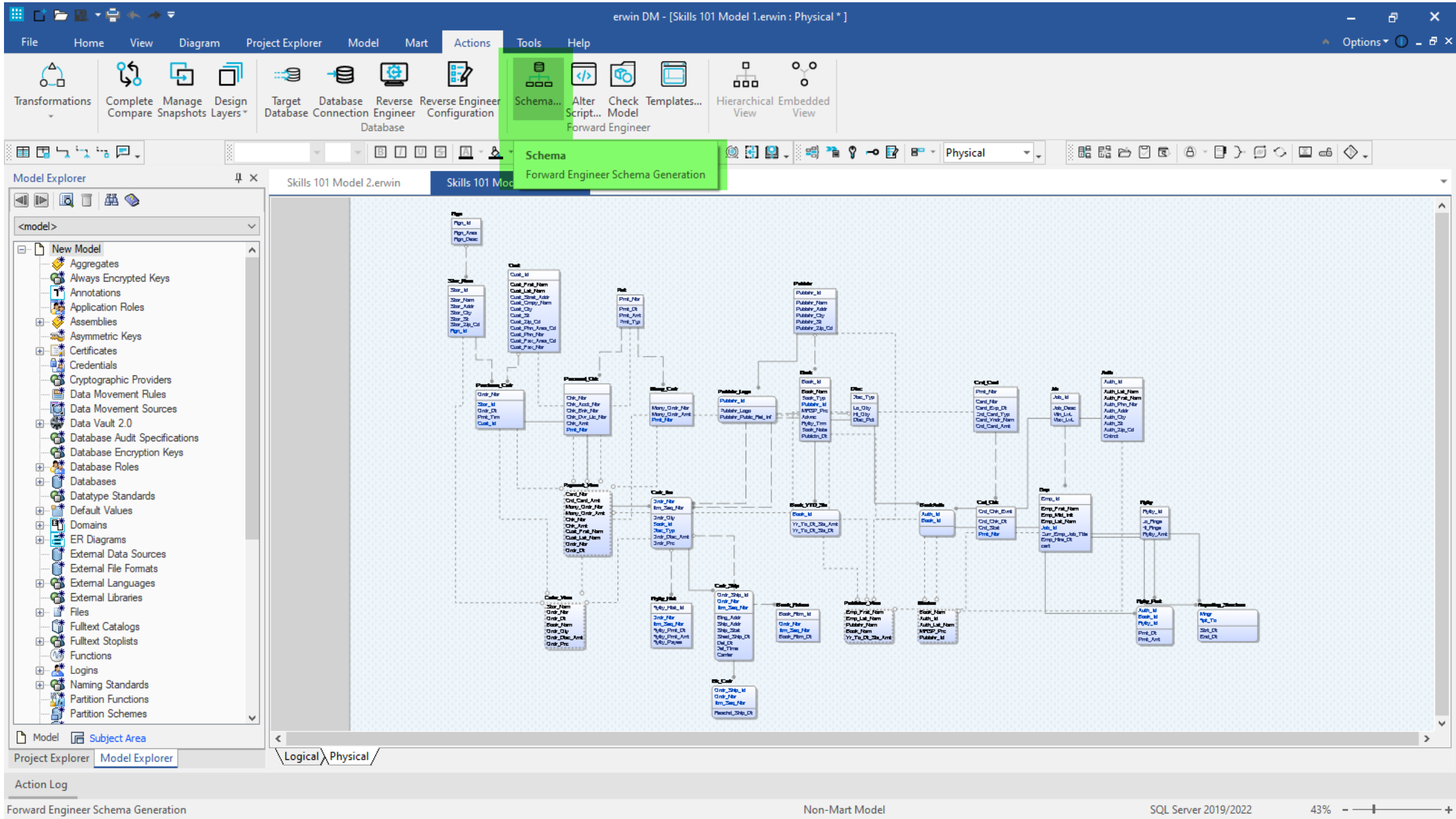
Properties...
Delete
Run
Run Top 100 Rows
Export to TEXT
Export to HTML
Export to PDF
Expand All
Collapse All

Reports

Drag a column header here to group by that column.

| Name | Name | Physical Name | @Table Name | Attribute.Physic... | Comments | Definition | Is FK | Is PK | Null Option | PII | Physical Data Ty... |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Filter by... | Filter by... | Filter by... | Filter by... | Filter by... | Filter by... | Filter by... | Filter by... | Filter by... | Filter by... | Filter by... | Filter by... |
| it_Card | Card_Number | Card_Nbr | Crd_Card | No | | | false | false | Null | | int |
| it_Card | Card_Expiration... | Card_Exp_Dt | Crd_Card | No | | | false | false | Null | | datetime |
| it_Card | Credit_Card_Type | Crd_Card_Typ | Crd_Card | No | | | false | false | Null | | char(4) |
| it_Card | Card_Vendor_Na... | Card_Vndr_Nam | Crd_Card | No | | | false | false | Null | | varchar(20) |
| it_Card | Credit_Card_Am... | Crd_Card_Amt | Crd_Card | No | | | false | false | Null | | numeric(7,2) |
| it_Check | Credit_Check_Ev... | Crd_Chk_Evnt | Crd_Chk | No | | | false | true | Not Null | | char(12) |
| it_Check | Credit_Check_D... | Crd_Chk_Dt | Crd_Chk | No | | | false | false | Null | | datetime |
| it_Check | Credit_Status | Crd_Stat | Crd_Chk | No | | | false | false | Null | | char(12) |
| it_Check | Payment_Number | Pmt_Nbr | Crd_Chk | No | | | true | false | Not Null | | int |
| omer | Customer_Identi... | Cust_Id | Cust | Yes | Customer Acco... | Customer Acco... | false | true | Not Null | true | char(9) |
| Customer | Customer_First_... | Cust_Frst_Nam | Cust | Yes | Customer First ... | Customer First ... | false | false | Null | true | varchar(15) |
| Customer | Customer_Last_... | Cust_Lst_Nam | Cust | Yes | Customer Last ... | Customer Last ... | false | false | Not Null | true | varchar(25) |
| Customer | Customer_Street... | Cust_Stret_Addr | Cust | Yes | Customer Street... | Customer Street... | false | false | Null | true | varchar(50) |
| Customer | Customer_Com... | Cust_Cmpy_Nam | Cust | Yes | Company Name... | Company Name... | false | false | Null | true | varchar(90) |
| Customer | Customer_City | Cust_Cty | Cust | No | | | false | false | Null | | varchar(25) |
| Customer | Customer_State | Cust_St | Cust | No | | | false | false | Not Null | | varchar(4) |
| Customer | Customer_Zip_C... | Cust_Zip_Cd | Cust | No | | | false | false | Null | | varchar(9) |
| Customer | Customer_Phon... | Cust_Phn_Area_... | Cust | No | | | false | false | Null | | int |
| Customer | Customer_Phon... | Cust_Phn_Nbr | Cust | No | | | false | false | Null | | int |
| Customer | Customer_Fax_... | Cust_Fax_Area_Cd | Cust | No | | | false | false | Null | | int |
| Customer | Customer_Fax_... | Cust_Fax_Nbr | Cust | No | | | false | false | Null | | int |
| Discount | Discount_Type | Disc_Typ | Disc | No | | | false | true | Not Null | | varchar(4) |
| Discount | Low_Quantity | Lo_Qty | Disc | No | | | false | false | Null | | smallint |
| Discount | High_Quantity | Hi_Qty | Disc | No | | | false | false | Null | | smallint |
| Discount | Discount_Percent | Disc_Pct | Disc | No | | | false | false | Null | | decimal(4,2) |
| Employee | Employee_Identi... | Emp_Id | Emp | No | | | false | true | Not Null | | char(9) |
| Employee | Employee_First_... | Emp_Frst_Nam | Emp | No | | | false | false | Null | | varchar(20) |
| Employee | Employee_Midd... | Emp_Mid_Init | Emp | No | | | false | false | Null | | char(1) |
| Employee | Employee_Last_... | Emp_Lst_Nam | Emp | No | | | false | false | Null | | varchar(40) |
| Employee | Job_Identifier | Job_Id | Emp | No | | | true | false | Not Null | | char(9) |
| Employee | Current_Employ... | Curr_Emp_Job_T... | Emp | No | | | false | false | Null | | tinyint |
| Employee | Employee_Hire_... | Emp_Hire_Dt | Emp | No | | | false | false | Null | | datetime |
| Employee | cert | cert | Emp | No | | | false | false | Null | | char(18) |
| Employee | Demonstration | DEMO | Emp | No | | | false | false | Null | | char(18) |
| Employee | OSCodeEMO | OSCDEMO | Emp | No | | | false | false | Null | | char(18) |
| Job | Job_Identifier | Job_Id | Job | No | | | false | true | Not Null | | char(9) |

# Forward Engineer DDL


erwin DM - [Skills 101 Model 1.erwin : Physical * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
Transformations
Complete Compare
Manage Snapshots
Design Layers
Target Database
Database Connection
Reverse Engineer
Reverse Engineer Configuration
Database
Schema...
Alter Script...
Check Model
Templates...
Forward Engineer
Hierarchical View
Embedded View
Schema
Forward Engineer Schema Generation
Physical
Model Explorer
<model>
New Model
Aggregates
Always Encrypted Keys
Annotations
Application Roles
Assemblies
Asymmetric Keys
Certificates
Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
Database Roles
Databases
Datatype Standards
Default Values
Domains
ER Diagrams
External Data Sources
External File Formats
External Languages
External Libraries
Files
Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Naming Standards
Partition Functions
Partition Schemes
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Subject Area
Project Explorer
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Skills 101 Model 2.erwin
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Action Log
Forward Engineer Schema Generation
Non-Mart Model
SQL Server 2019/2022
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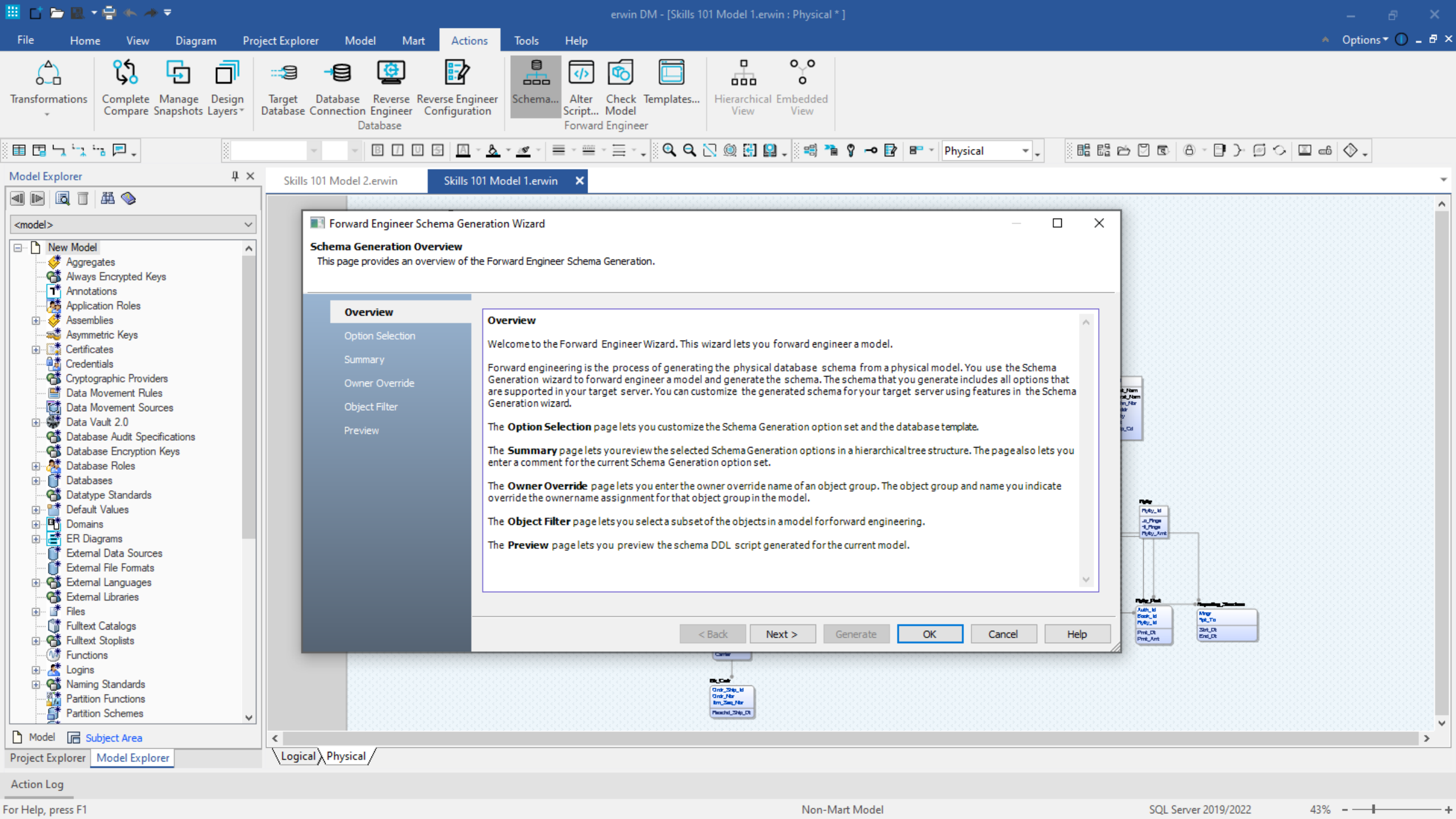
erwin DM - [Skills 101 Model 1.erwin : Physical * ]
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Naming Standards
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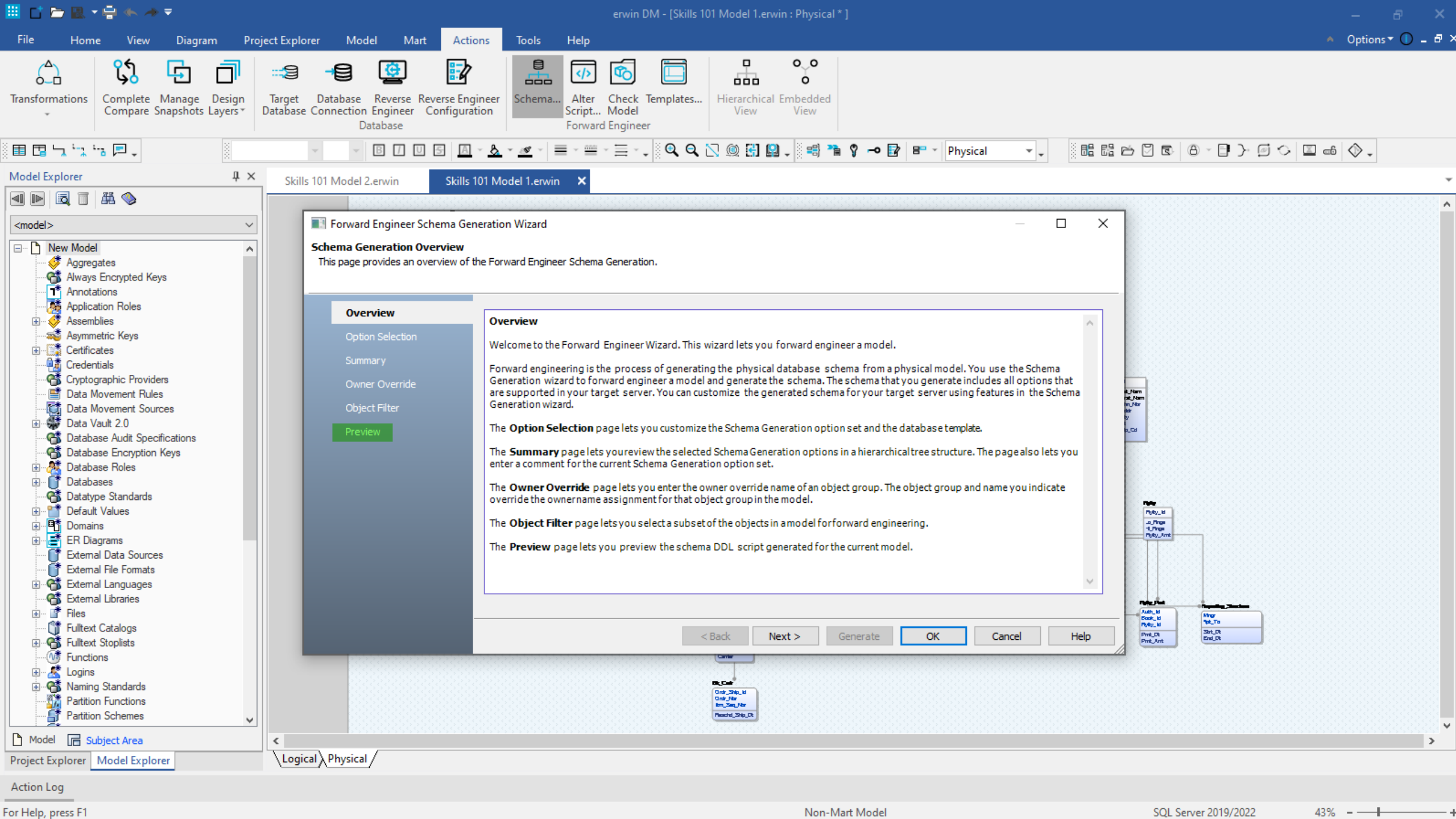
Partition Schemes
Model
Subject Area
Project Explorer
Model Explorer
Skills 101 Model 2.erwin
Skills 101 Model 1.erwin
Forward Engineer Schema Generation Wizard
Schema Generation Overview
This page provides an overview of the Forward Engineer Schema Generation.
Overview
Option Selection
Summary
Owner Override
Object Filter
Preview
Overview
Welcome to the Forward Engineer Wizard. This wizard lets you forward engineer a model.
Forward engineering is the process of generating the physical database schema from a physical model. You use the Schema Generation wizard to forward engineer a model and generate the schema. The schema that you generate includes all options that are supported in your target server. You can customize the generated schema for your target server using features in the Schema Generation wizard.
The Option Selection page lets you customize the Schema Generation option set and the database template.
The Summary page lets you review the selected Schema Generation options in a hierarchical tree structure. The page also lets you enter a comment for the current Schema Generation option set.
The Owner Override page lets you enter the owner override name of an object group. The object group and name you indicate override the owner name assignment for that object group in the model.
The Object Filter page lets you select a subset of the objects in a model for forward engineering.
The Preview page lets you preview the schema DDL script generated for the current model.
< Back
Next >
Generate
OK
Cancel
Help
Logical
Physical
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
43%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External Languages
External Libraries
Files
Fulltext Catalogs
Fulltext Stoplists
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OK
Cancel
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Physical
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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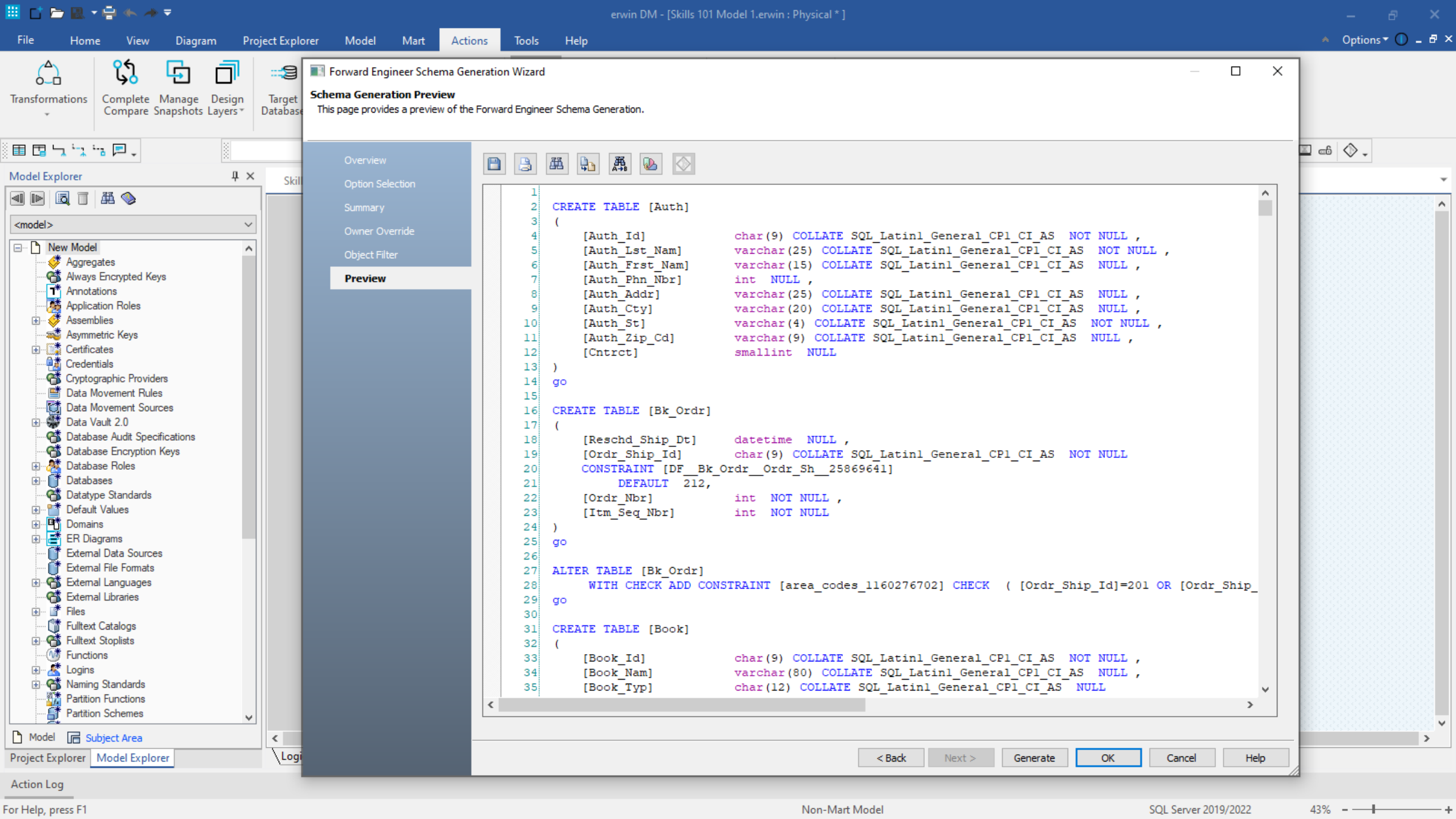
erwin DM - [Skills 101 Model 1.erwin : Physical * ]
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Fulltext Stoplists
Functions
Logins
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Partition Functions
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Action Log
Forward Engineer Schema Generation Wizard
Schema Generation Preview
This page provides a preview of the Forward Engineer Schema Generation.
Overview
Option Selection
Summary
Owner Override
Object Filter
Preview
CREATE TABLE [Auth]
(
[Auth_Id] char(9) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL ,
[Auth_Lst_Nam] varchar(25) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL ,
[Auth_Frst_Nam] varchar(15) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
[Auth_Phn_Nbr] int NULL ,
[Auth_Addr] varchar(25) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
[Auth_Cty] varchar(20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
[Auth_St] varchar(4) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL ,
[Auth_Zip_Cd] varchar(9) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
[Cntrct] smallint NULL
)
go
CREATE TABLE [Bk_Ordr]
(
[Reschd_Ship_Dt] datetime NULL ,
[Ordr_Ship_Id] char(9) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
CONSTRAINT [DF__Bk_Ordr__Ordr_Sh__25869641]
DEFAULT 212,
[Ordr_Nbr] int NOT NULL ,
[Itm_Seq_Nbr] int NOT NULL
)
go
ALTER TABLE [Bk_Ordr]
WITH CHECK ADD CONSTRAINT [area_codes_1160276702] CHECK ( [Ordr_Ship_Id]=201 OR [Ordr_Ship_
go
CREATE TABLE [Book]
(
[Book_Id] char(9) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL ,
[Book_Nam] varchar(80) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
[Book_Typ] char(12) COLLATE SQL_Latin1_General_CP1_CI_AS NULL
< Back
Next >
Generate
OK
Cancel
Help
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
43%

# Develop the Physical Model

New Diagram | Delete Diagram | Diagrams... — Diagram
Align Left | Align Center | Align Right | Align Top | Align Middle | Align Bottom — Alignment
Space Horizontally | Space Vertically
Group | Ungroup — Group
Hierarchical | Orthogonal | Tree | Circular | Symmetric — Layout
Objects | Relationship Paths | Layout In Place
Hide | Hide Neighborhood | Unhide | Unhide All — Hiding

Physical

Model Explorer

<model>

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  - Cryptographic Providers
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  - Database Encryption Keys
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  - ER Diagrams
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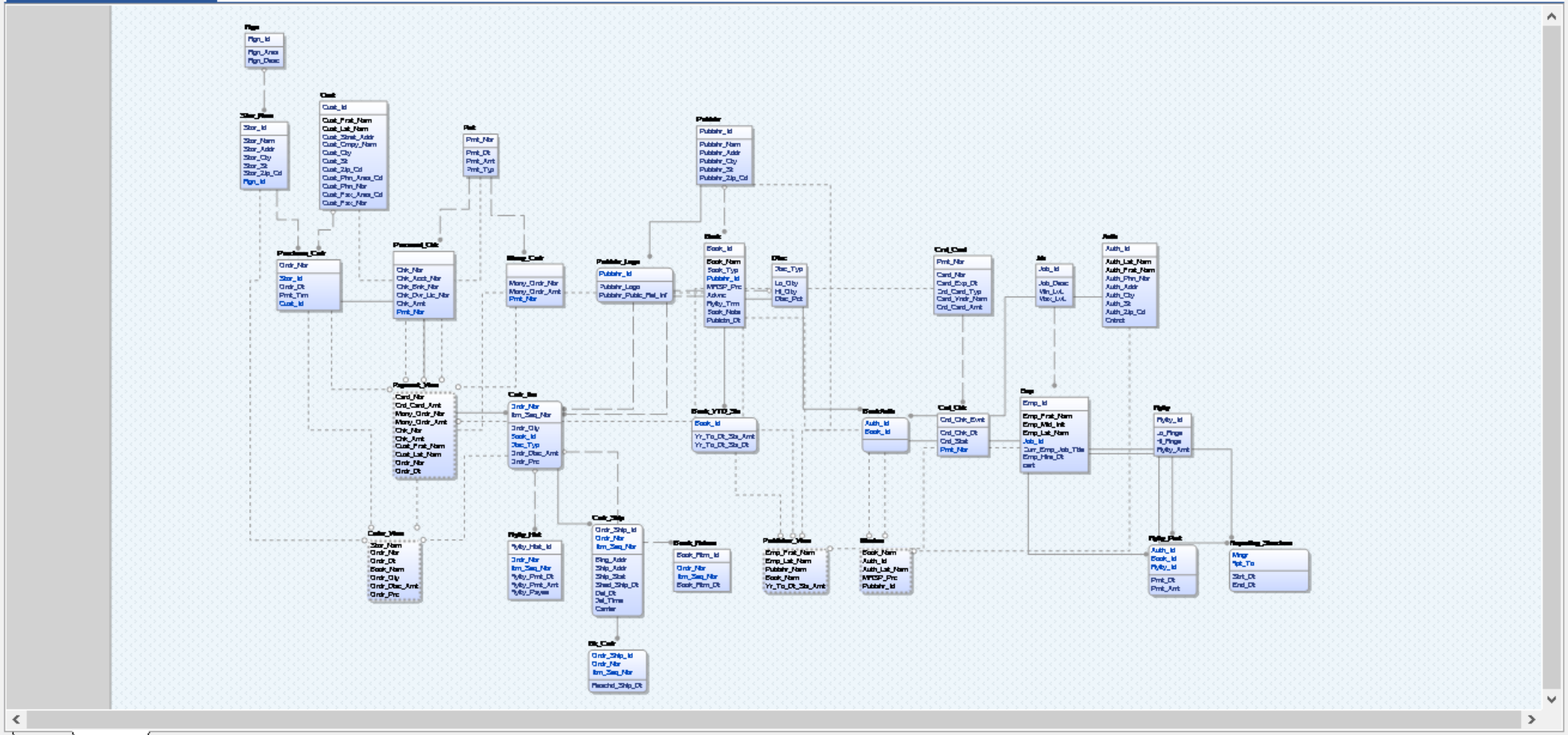
  - Functions
  - Logins
  - Naming Standards
  - Partition Functions
  - Partition Schemes

Model | Subject Area

Project Explorer | Model Explorer

Skills 101 Model 1.erwin



Logical | Physical

Action Log

New Diagram | Delete Diagram | Diagrams... — Diagram
Align Left | Align Center | Align Right | Align Top | Align Middle | Align Bottom — Alignment
Space Horizontally | Space Vertically
Group | Ungroup — Group
Hierarchical | Orthogonal | Tree | Circular | Symmetric — Layout
Objects | Relationship Paths | Layout In Place
Hide | Hide Neighborhood | Unhide | Unhide All — Hiding

Physical

Model Explorer

<model>

New Model

Switch to
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Assemblies
Asymmetric Keys
Certificates
Credentials
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Data Movement Rules
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Fulltext Stoplists
Functions
Logins
Naming Standards
Partition Functions
Partition Schemes

Model | Subject Area

Project Explorer | Model Explorer

Skills 101 Model 1.erwin

Logical | Physical

Action Log

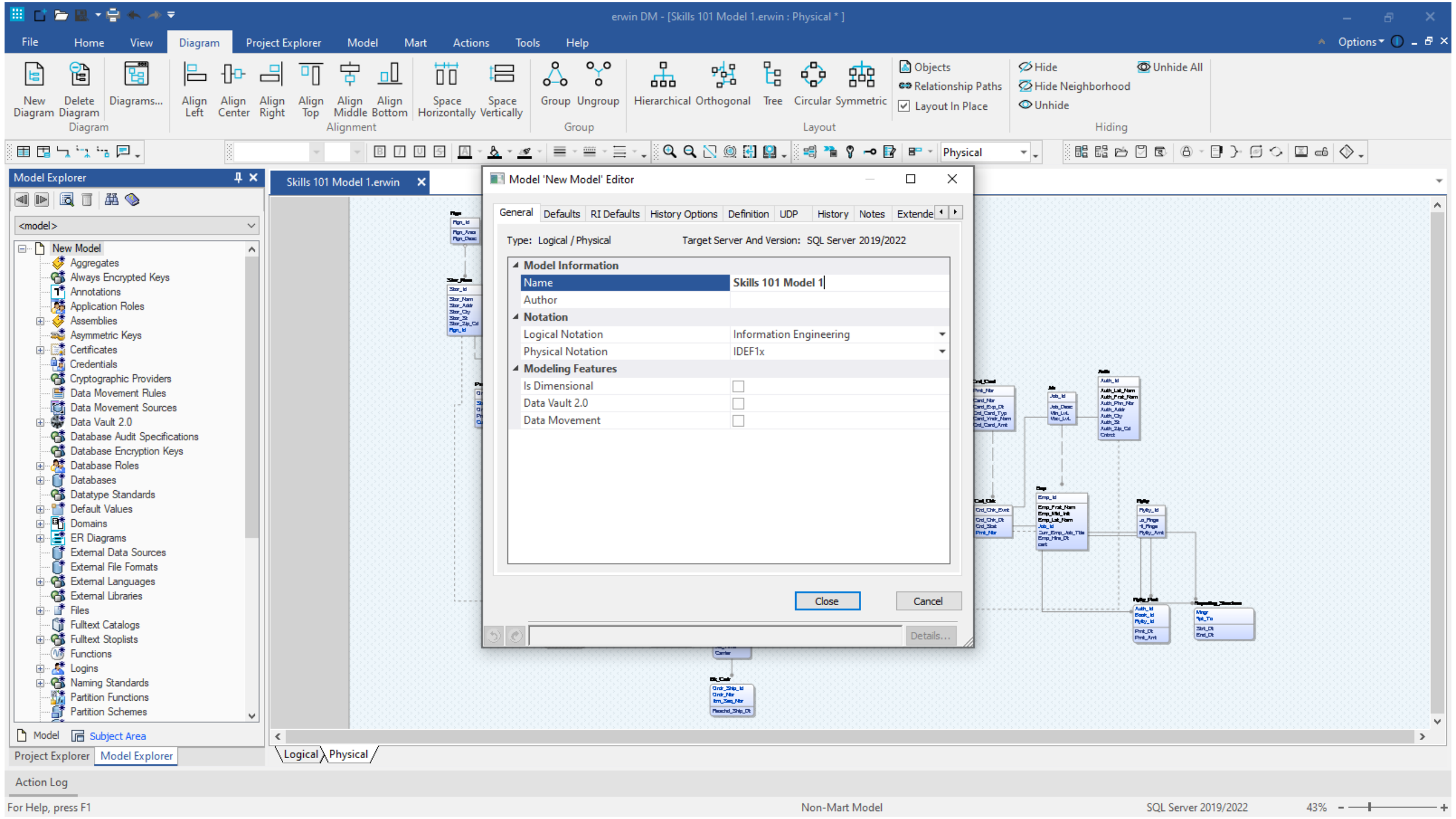
erwin DM - [Skills 101 Model 1.erwin : Physical * ]
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Diagram
Project Explorer
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Mart
Actions
Tools
Help
Options
New Diagram
Delete Diagram
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Ungroup
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Hierarchical
Orthogonal
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Layout
Objects
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Layout In Place
Hide
Hide Neighborhood
Unhide
Unhide All
Hiding
Physical
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Project Explorer
Model Explorer
Skills 101 Model 1.erwin
Model 'New Model' Editor
General
Defaults
RI Defaults
History Options
Definition
UDP
History
Notes
Extende
Type: Logical / Physical
Target Server And Version: SQL Server 2019/2022
Model Information
Name
Skills 101 Model 1
Author
Notation
Logical Notation
Information Engineering
Physical Notation
IDEF1x
Modeling Features
Is Dimensional
Data Vault 2.0
Data Movement
Close
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Details...
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Action Log
For Help, press F1
Non-Mart Model
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New
Open
Close
Save
Save As
Recent
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Save Project
Close Project
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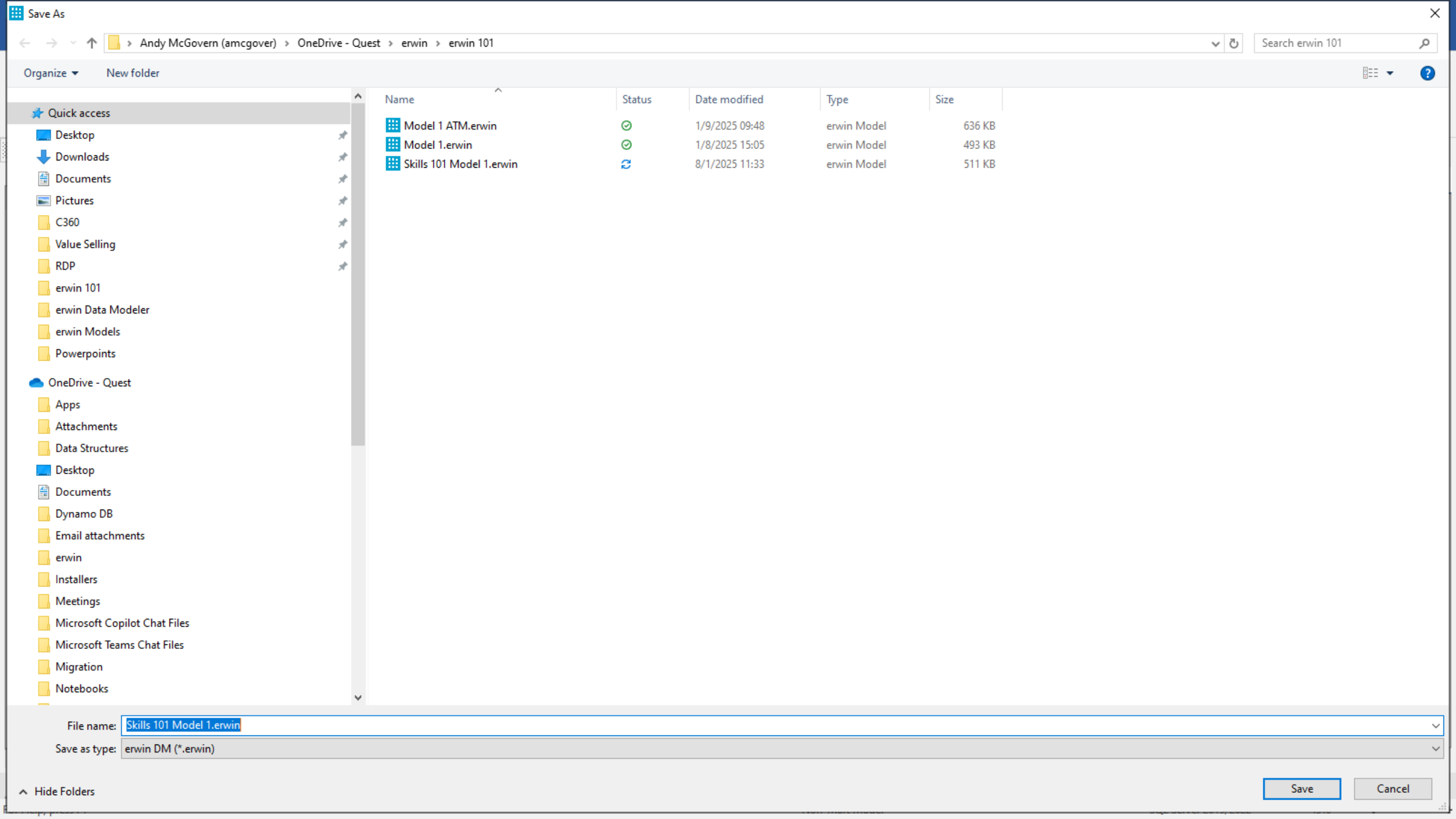
## Recent File List

| | | |
|---|---|---|
| Skills 101 Model 1.erwin<br>C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101 | 08/01/2025 11:33 AM | 510 KB |
| Model 1.erwin<br>C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101<br>Mart://Mart/-SDLC/1 - Dev/PublicationSystem<br>Mart://Mart/Demonstration Models/Publication System ER360<br>Mart://Mart/Model Templates/Entity Model Template - Pubs<br>Mart://Mart/Model Templates/Active Model Templates /AMT_5_Diagrams_LPDM_SQL_2022<br>Mart://Mart/Demonstration Models/Publication System DM to DI | 01/08/2025 03:05 PM | 492 KB |
| baseline_vault_databricks.erwin<br>C:\Users\AMcGover\OneDrive - Quest\erwin\erwin Data Modeler\Projects\Models<br>Mart://Mart/Advanced Models/Data Vault Automation/baseline_vault_databricks | 07/23/2025 01:34 PM | 404 KB |
| baseline_vault_Snowflake_WWDVC.erwin<br>C:\Users\AMcGover\OneDrive - Quest\erwin\erwin Data Modeler\Projects\Models<br>Mart://Mart/Advanced Models/Data Vault Automation/baseline_vault_Snowflake_WWDVC | 07/23/2025 01:32 PM | 446 KB |
| baseline_source_Snowflake.erwin<br>C:\Users\AMcGover\OneDrive - Quest\erwin\erwin Data Modeler\Projects\Models<br>Mart://Mart/Advanced Models/Data Vault Automation/baseline_source_Snowflake | 07/23/2025 01:31 PM | 354 KB |
| baseline_BDM_Snowflake.erwin<br>C:\Users\AMcGover\OneDrive - Quest\erwin\erwin Data Modeler\Projects\Models<br>Mart://Mart/Advanced Models/Data Vault Automation/baseline_BDM_Snowflake<br>Mart://Mart/Demo Lot/Model_3DELEETFR | 07/23/2025 01:13 PM | 322 KB |


Save As
Andy McGovern (amcgover) › OneDrive - Quest › erwin › erwin 101
Search erwin 101
Organize
New folder
Quick access
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Downloads
Documents
Pictures
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Value Selling
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erwin Data Modeler
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Documents
Dynamo DB
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Microsoft Copilot Chat Files
Microsoft Teams Chat Files
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636 KB
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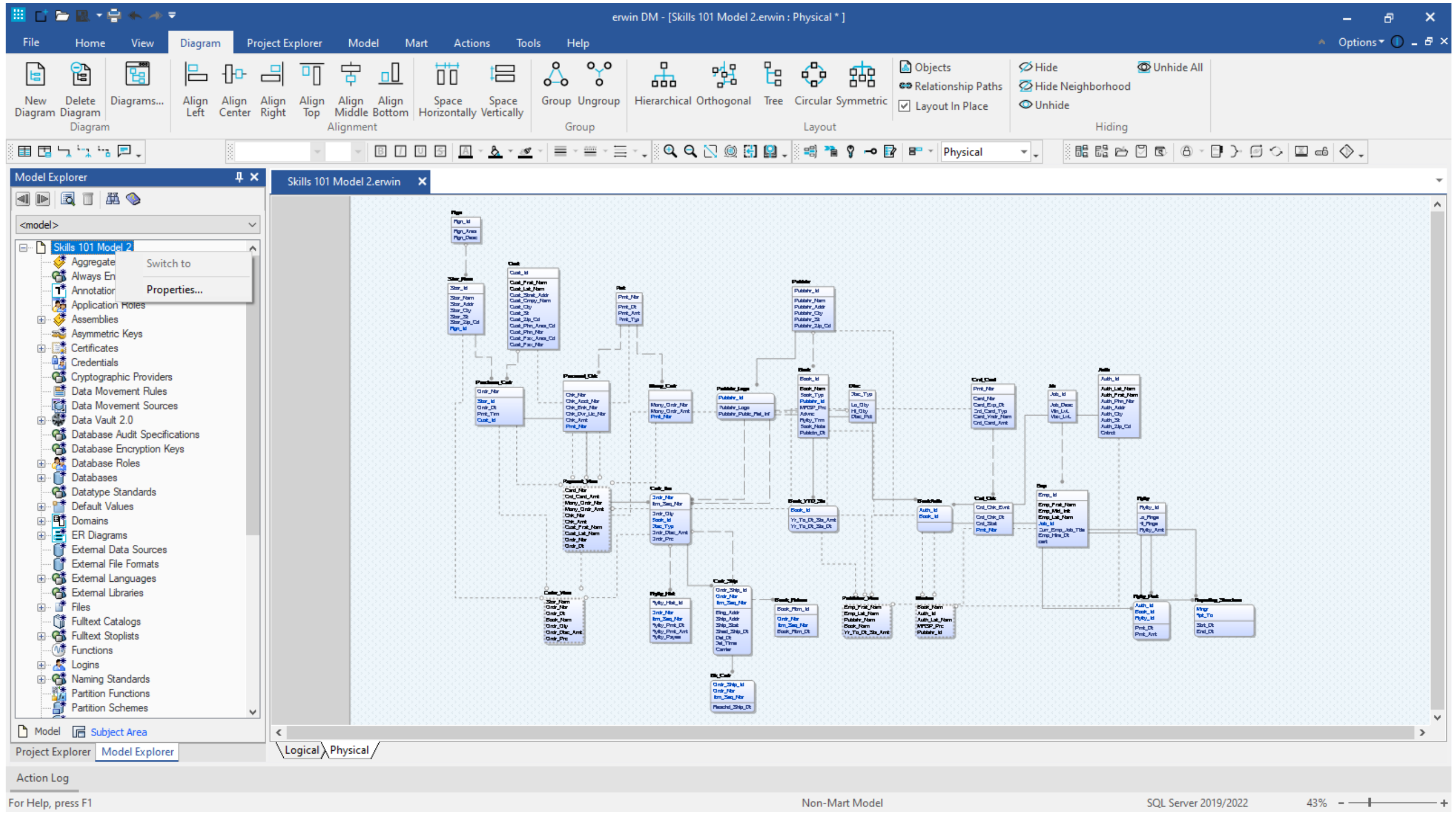
erwin DM - [Skills 101 Model 2.erwin : Physical * ]
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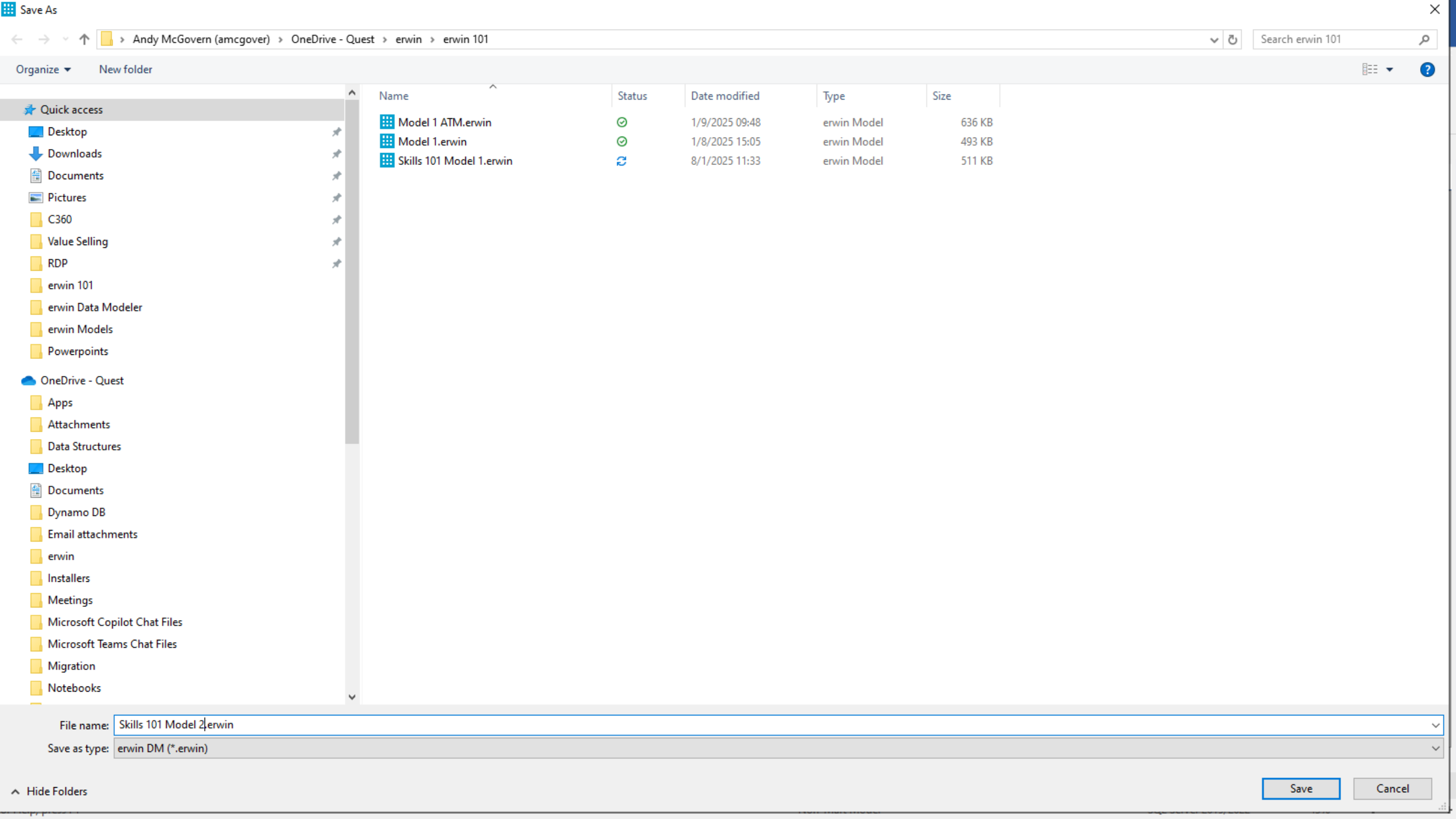
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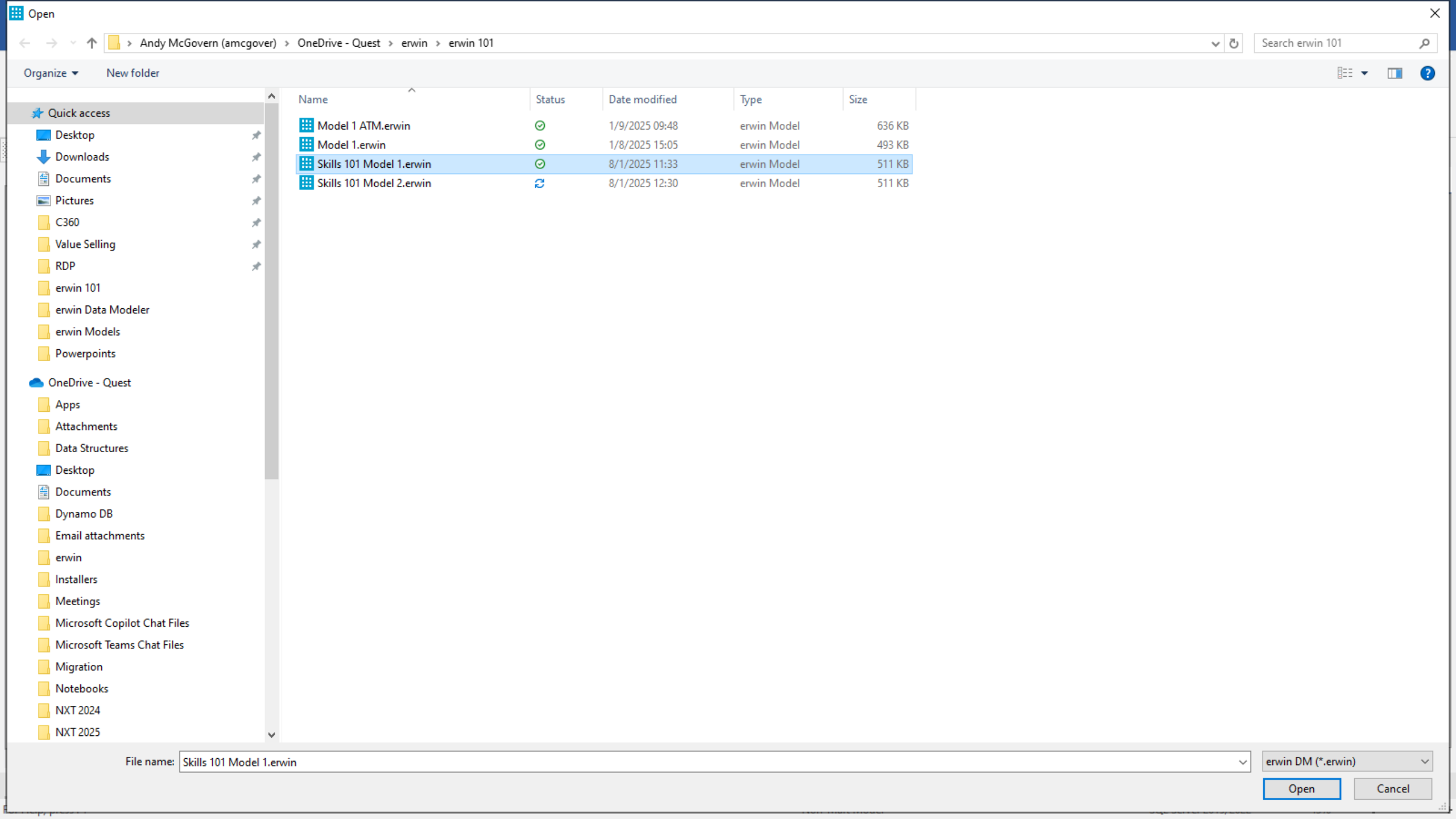
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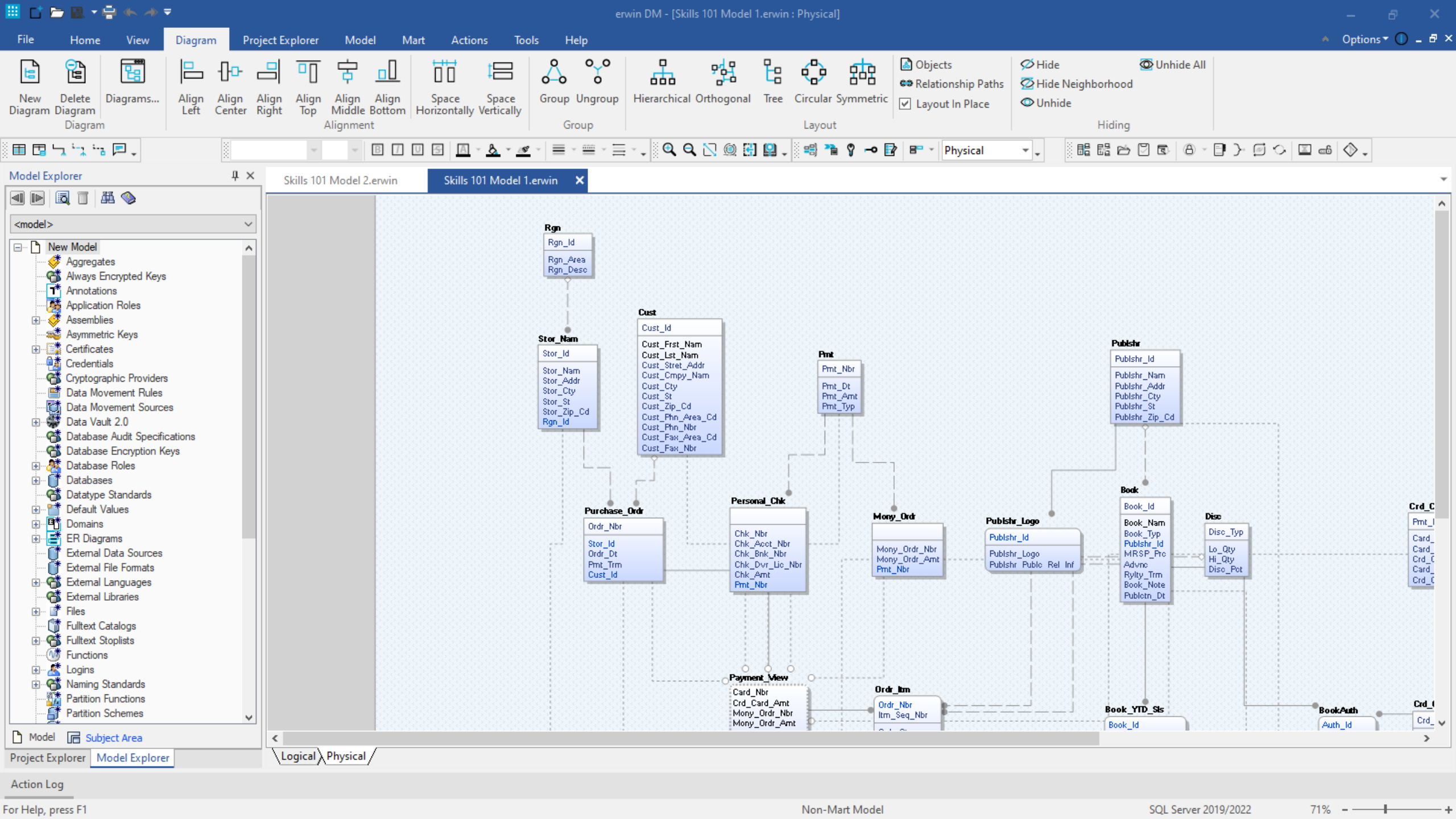
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For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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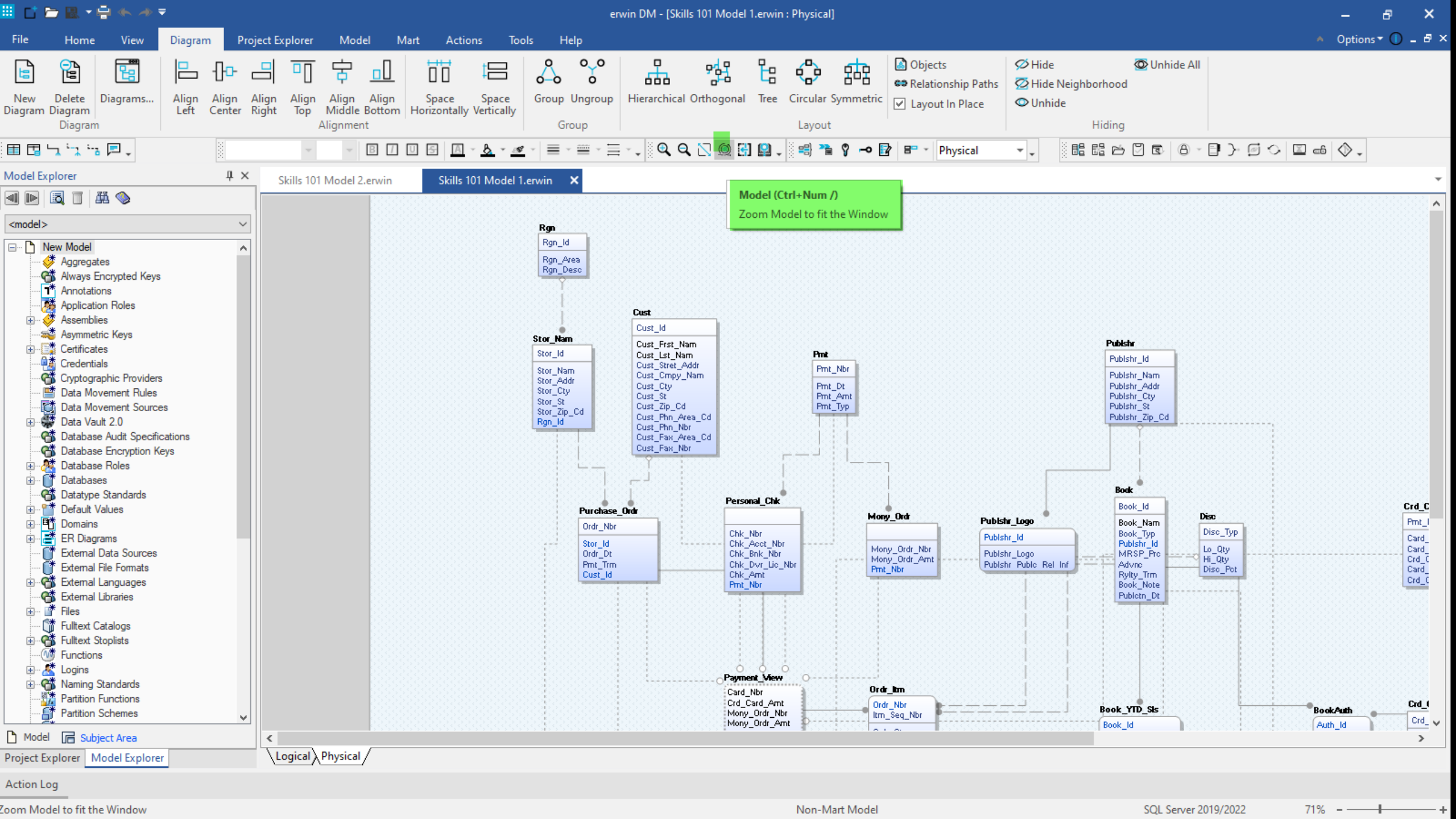
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Stor_Zip_Cd
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Cust
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Cust_Frst_Nam
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Logical
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Zoom Model to fit the Window
Non-Mart Model
SQL Server 2019/2022
71%

New Diagram | Delete Diagram | Diagrams... — Diagram
Align Left | Align Center | Align Right | Align Top | Align Middle | Align Bottom — Alignment
Space Horizontally | Space Vertically
Group | Ungroup — Group
Hierarchical | Orthogonal | Tree | Circular | Symmetric — Layout
Objects | Relationship Paths | Layout In Place
Hide | Hide Neighborhood | Unhide — Hiding
Unhide All

Physical

Model Explorer

<model>

- New Model
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  - Always Encrypted Keys
  - Annotations
  - Application Roles
  - Assemblies
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  - Certificates
  - Credentials
  - Cryptographic Providers
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  - Data Vault 2.0
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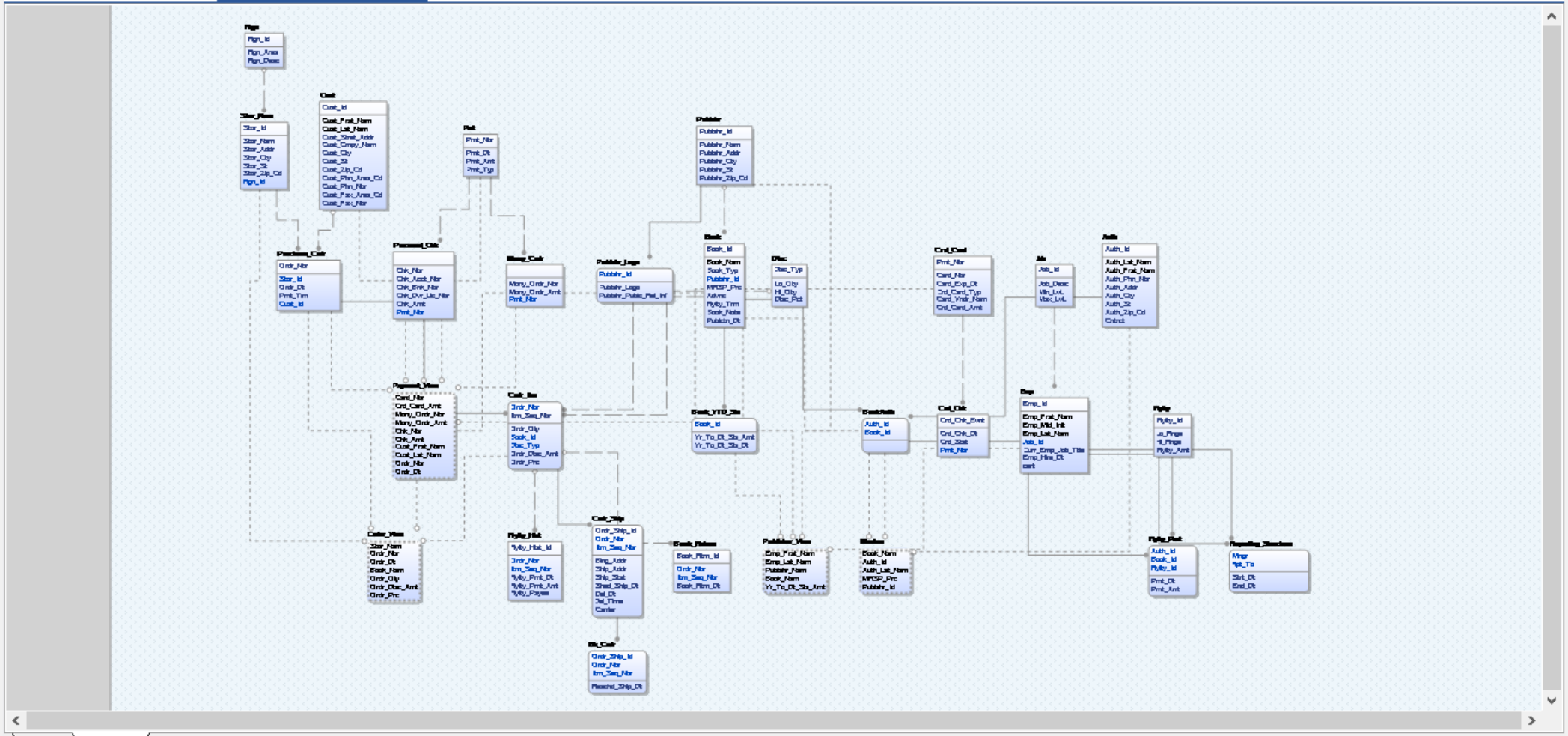
  - Logins
  - Naming Standards
  - Partition Functions
  - Partition Schemes

Model | Subject Area

Project Explorer | Model Explorer

Skills 101 Model 2.erwin | Skills 101 Model 1.erwin



Logical | Physical

Action Log

erwin DM - [Skills 101 Model 1.erwin : Physical * ]
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Book_YTD_Sls
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Crd_Chk
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Reporting_Structure
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Skills 101 Model 1.erwin
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Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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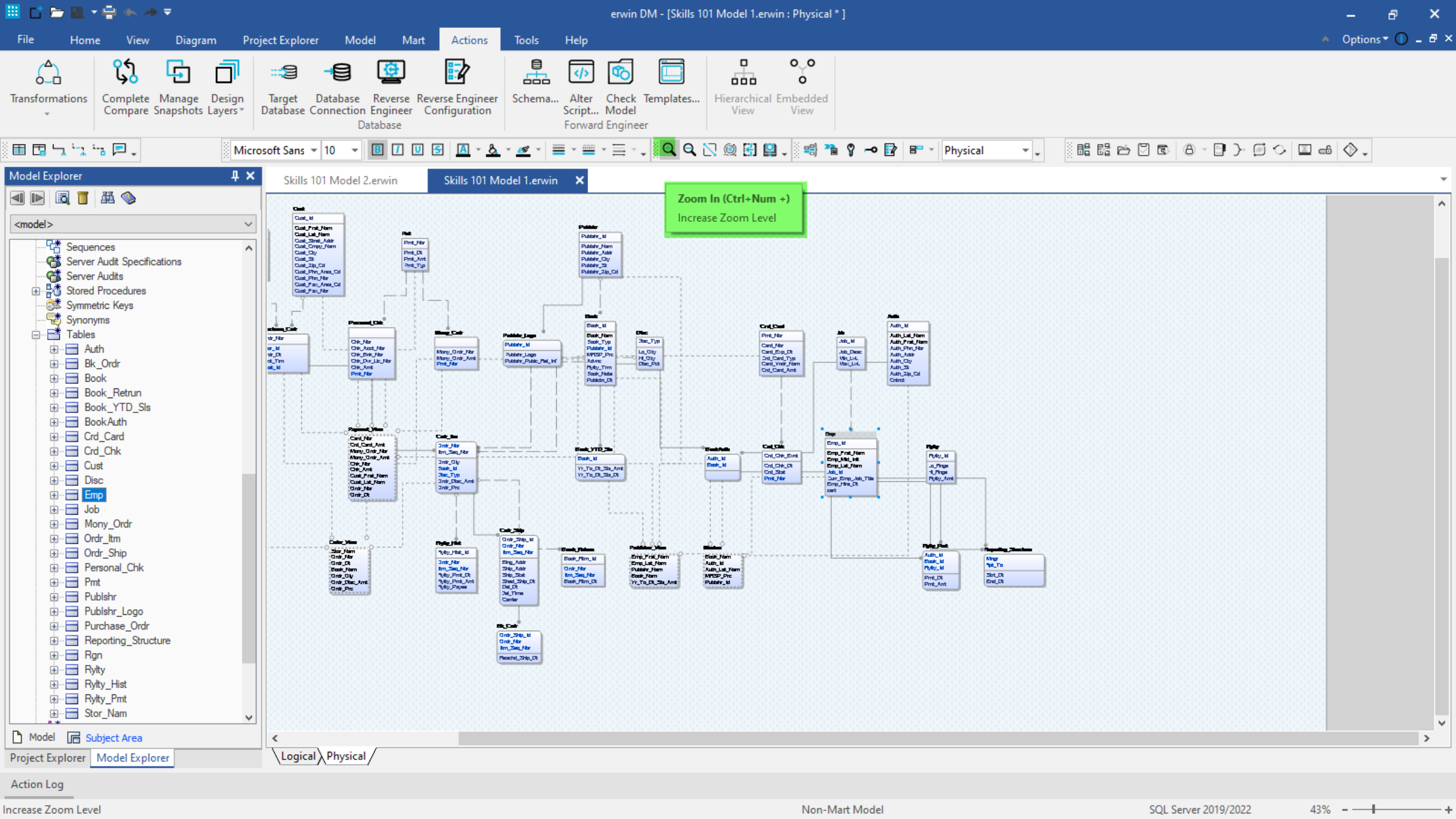
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Skills 101 Model 1.erwin
Zoom In (Ctrl+Num +)
Increase Zoom Level
Logical
Physical
Action Log
Increase Zoom Level
Non-Mart Model
SQL Server 2019/2022
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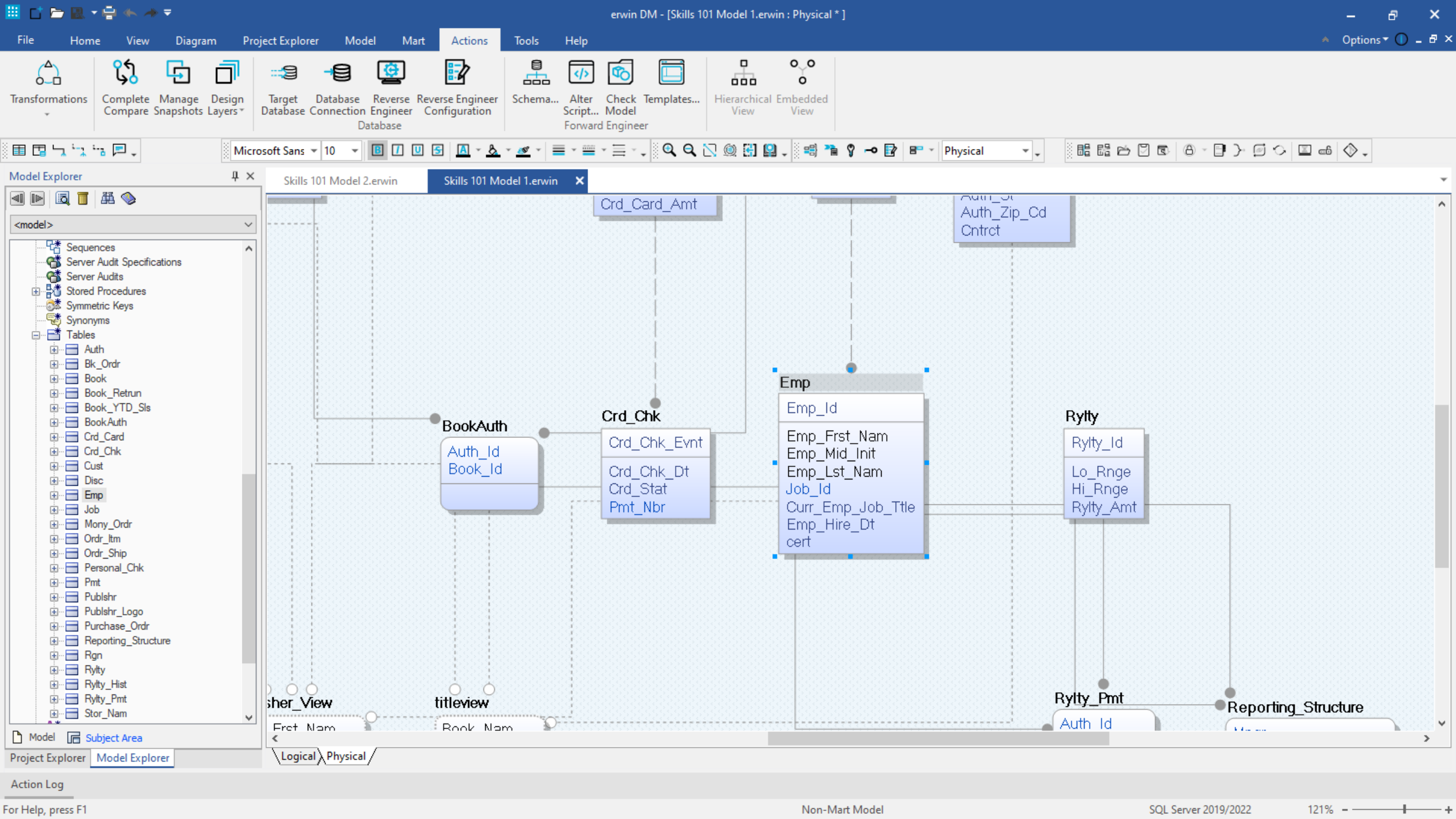
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Model Explorer
Skills 101 Model 2.erwin
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Cntrct
BookAuth
Auth_Id
Book_Id
Crd_Chk
Crd_Chk_Evnt
Crd_Chk_Dt
Crd_Stat
Pmt_Nbr
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Emp_Mid_Init
Emp_Lst_Nam
Job_Id
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Hi_Rnge
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For Help, press F1
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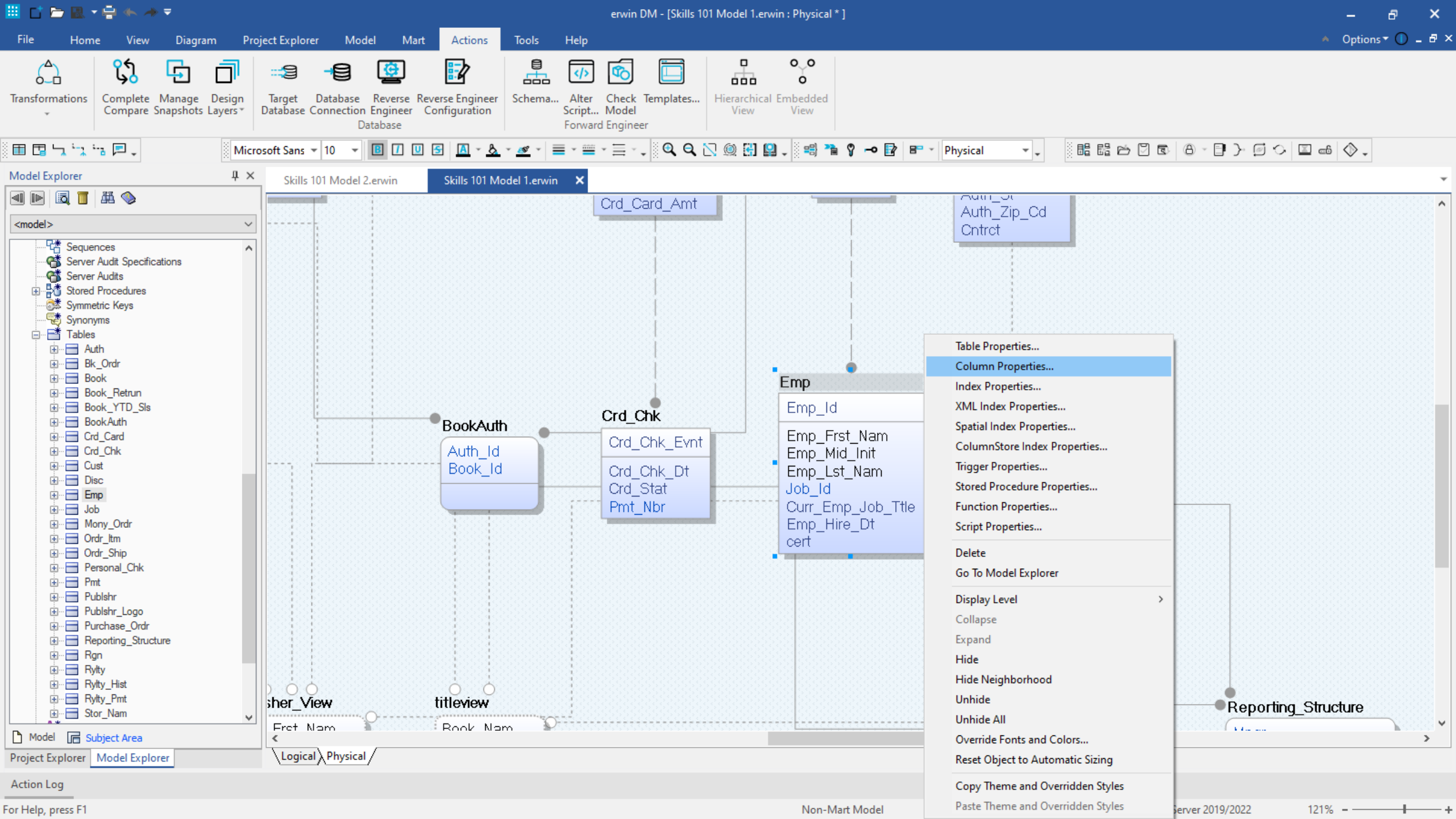
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Book_Retrun
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Skills 101 Model 1.erwin
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Auth_Zip_Cd
Cntrct
BookAuth
Auth_Id
Book_Id
Crd_Chk
Crd_Chk_Evnt
Crd_Chk_Dt
Crd_Stat
Pmt_Nbr
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Emp_Id
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Emp_Mid_Init
Emp_Lst_Nam
Job_Id
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Column Properties...
Index Properties...
XML Index Properties...
Spatial Index Properties...
ColumnStore Index Properties...
Trigger Properties...
Stored Procedure Properties...
Function Properties...
Script Properties...
Delete
Go To Model Explorer
Display Level
Collapse
Expand
Hide
Hide Neighborhood
Unhide
Unhide All
Override Fonts and Colors...
Reset Object to Automatic Sizing
Copy Theme and Overridden Styles
Paste Theme and Overridden Styles
Action Log
For Help, press F1
Non-Mart Model
Server 2019/2022
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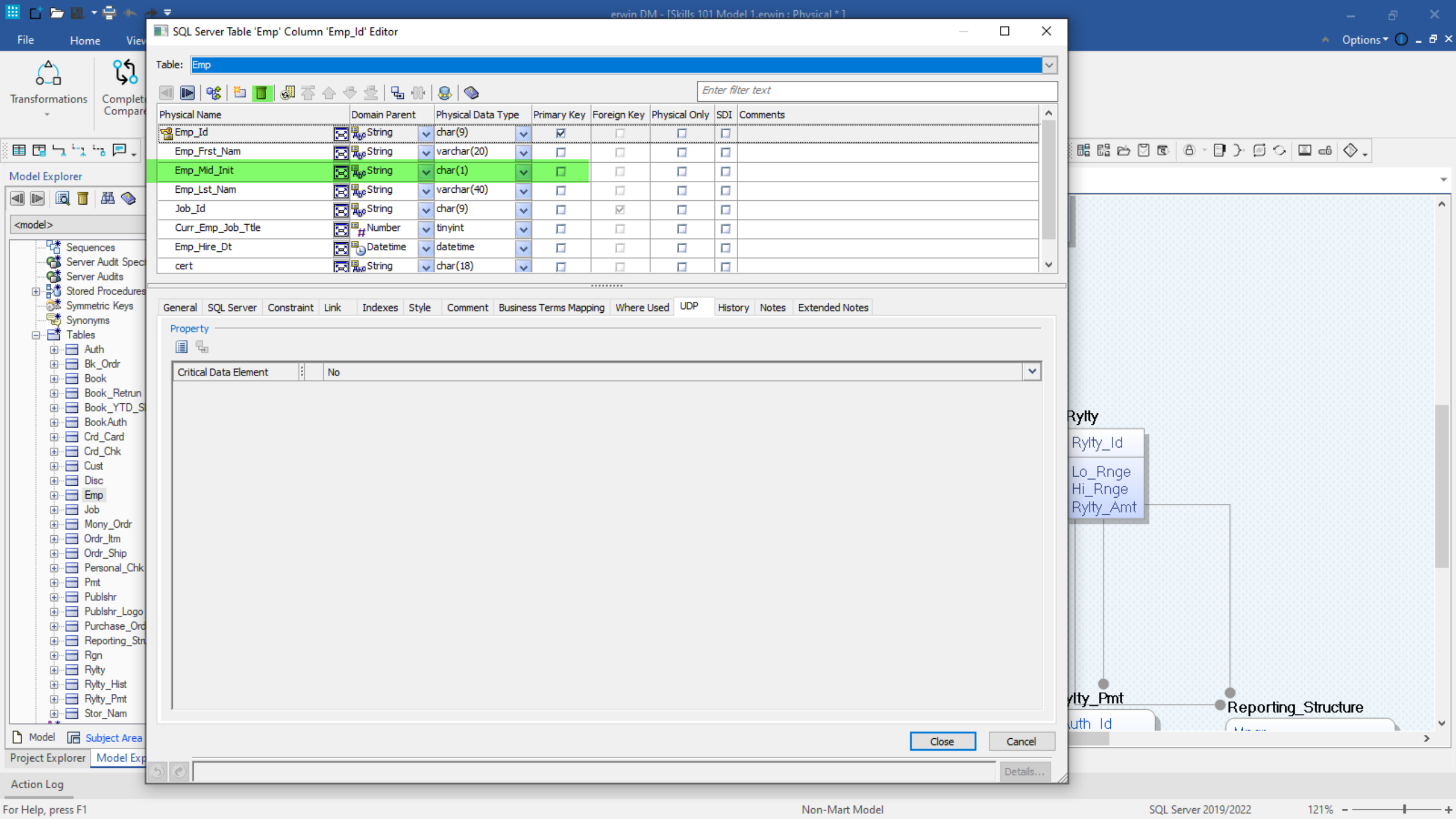
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Table: Emp
Enter filter text
Physical Name | Domain Parent | Physical Data Type | Primary Key | Foreign Key | Physical Only | SDI | Comments
Emp_Id | String | char(9)
Emp_Frst_Nam | String | varchar(20)
Emp_Mid_Init | String | char(1)
Emp_Lst_Nam | String | varchar(40)
Job_Id | String | char(9)
Curr_Emp_Job_Ttle | Number | tinyint
Emp_Hire_Dt | Datetime | datetime
cert | String | char(18)
General | SQL Server | Constraint | Link | Indexes | Style | Comment | Business Terms Mapping | Where Used | UDP | History | Notes | Extended Notes
Property
Critical Data Element | No
Close
Cancel
Details...
Model Explorer
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Server Audit Specs
Server Audits
Stored Procedures
Symmetric Keys
Synonyms
Tables
Auth
Bk_Ordr
Book
Book_Retrun
Book_YTD_St
BookAuth
Crd_Card
Crd_Chk
Cust
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Job
Mony_Ordr
Ordr_Itm
Ordr_Ship
Personal_Chk
Pmt
Publshr
Publshr_Logo
Purchase_Ord
Reporting_Str
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Rylty_Hist
Rylty_Pmt
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Rylty_Id
Lo_Rnge
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Subject Area
Project Explorer
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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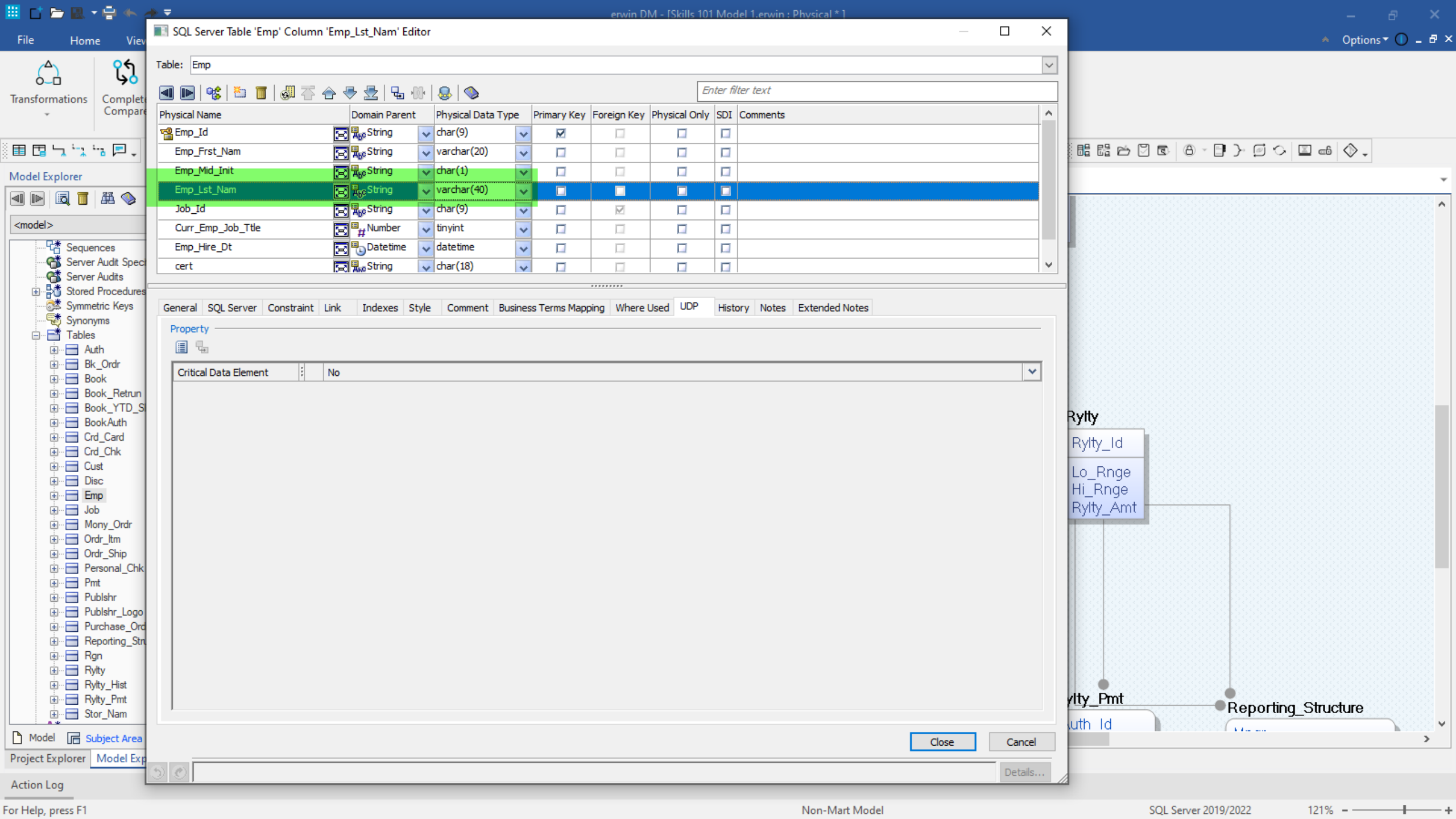
SQL Server Table 'Emp' Column 'Emp_Lst_Nam' Editor
Table: Emp
Enter filter text
Physical Name | Domain Parent | Physical Data Type | Primary Key | Foreign Key | Physical Only | SDI | Comments
Emp_Id | String | char(9)
Emp_Frst_Nam | String | varchar(20)
Emp_Mid_Init | String | char(1)
Emp_Lst_Nam | String | varchar(40)
Job_Id | String | char(9)
Curr_Emp_Job_Ttle | Number | tinyint
Emp_Hire_Dt | Datetime | datetime
cert | String | char(18)
General | SQL Server | Constraint | Link | Indexes | Style | Comment | Business Terms Mapping | Where Used | UDP | History | Notes | Extended Notes
Property
Critical Data Element | No
Close
Cancel
Details...
Model Explorer
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Server Audits
Stored Procedures
Symmetric Keys
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Cust
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Ordr_Ship
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Purchase_Ord
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Reporting_Structure
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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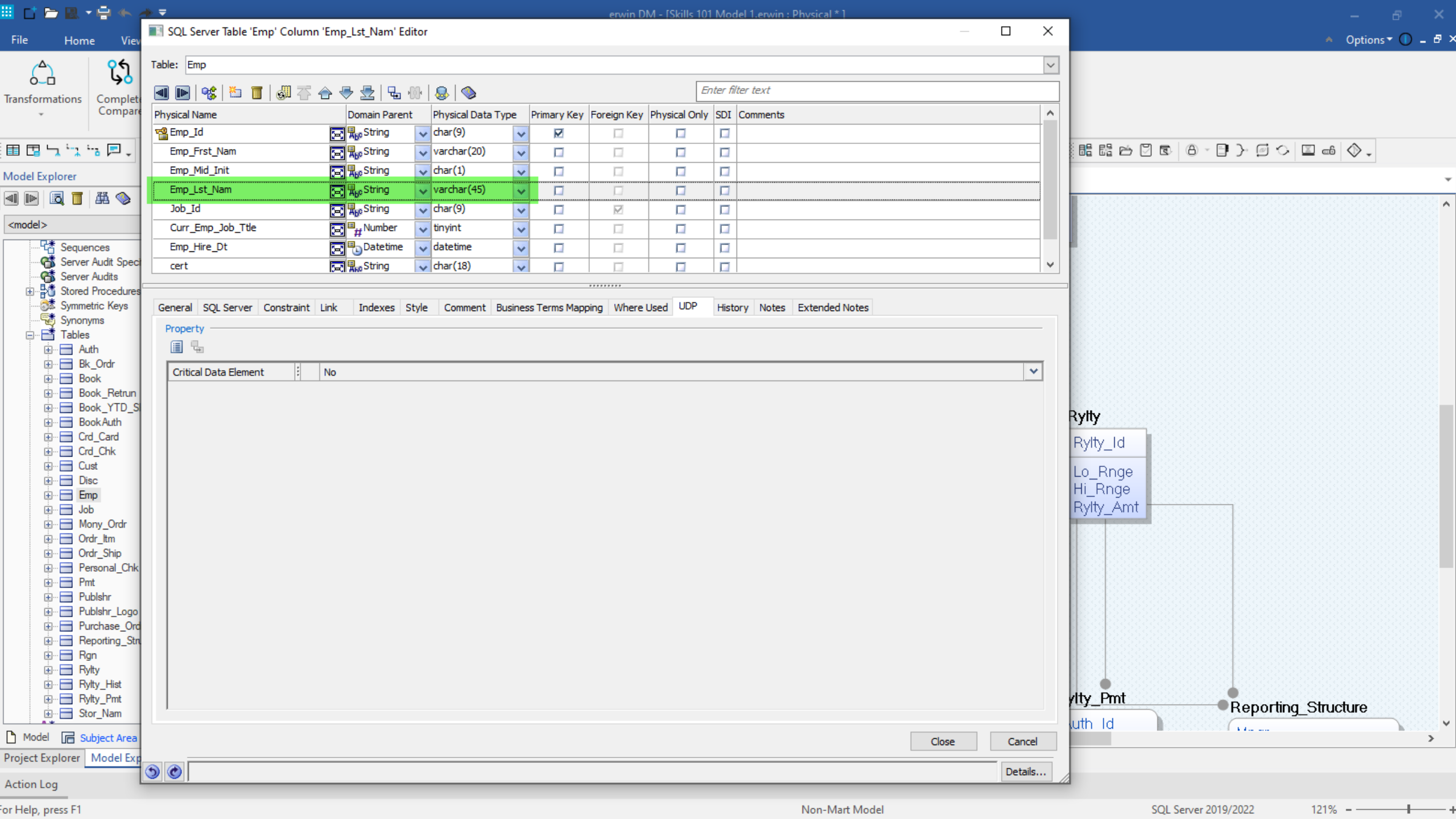
SQL Server Table 'Emp' Column 'Emp_Lst_Nam' Editor
Table: Emp
Enter filter text
Physical Name | Domain Parent | Physical Data Type | Primary Key | Foreign Key | Physical Only | SDI | Comments
Emp_Id | String | char(9)
Emp_Frst_Nam | String | varchar(20)
Emp_Mid_Init | String | char(1)
Emp_Lst_Nam | String | varchar(45)
Job_Id | String | char(9)
Curr_Emp_Job_Ttle | Number | tinyint
Emp_Hire_Dt | Datetime | datetime
cert | String | char(18)
General | SQL Server | Constraint | Link | Indexes | Style | Comment | Business Terms Mapping | Where Used | UDP | History | Notes | Extended Notes
Property
Critical Data Element | No
Close
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Ordr_Itm
Ordr_Ship
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For Help, press F1
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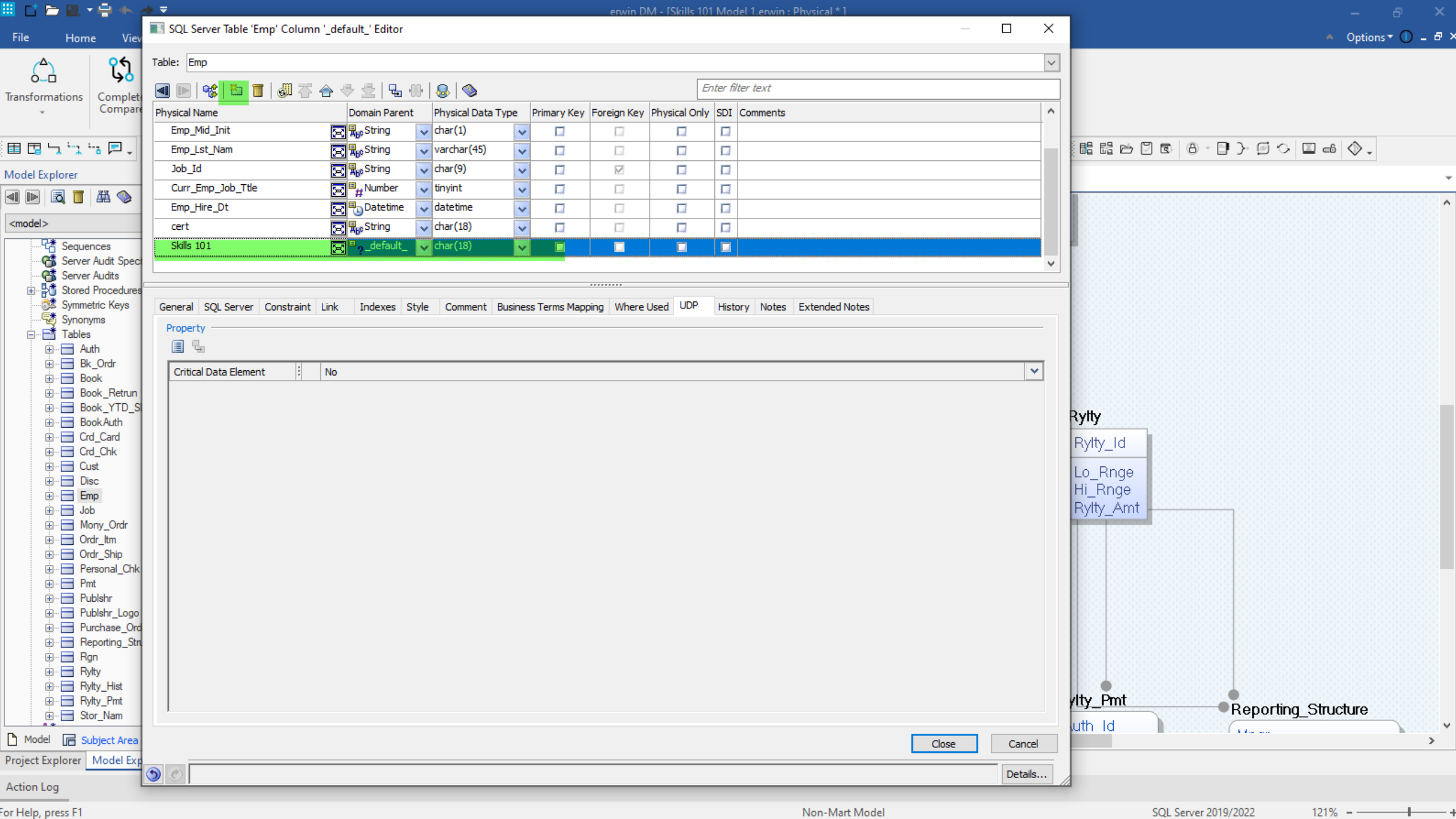
SQL Server Table 'Emp' Column '_default_' Editor
Table: Emp
Enter filter text
Physical Name
Domain Parent
Physical Data Type
Primary Key
Foreign Key
Physical Only
SDI
Comments
Emp_Mid_Init
String
char(1)
Emp_Lst_Nam
String
varchar(45)
Job_Id
String
char(9)
Curr_Emp_Job_Ttle
Number
tinyint
Emp_Hire_Dt
Datetime
datetime
cert
String
char(18)
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_default_
char(18)
General
SQL Server
Constraint
Link
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Comment
Business Terms Mapping
Where Used
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Property
Critical Data Element
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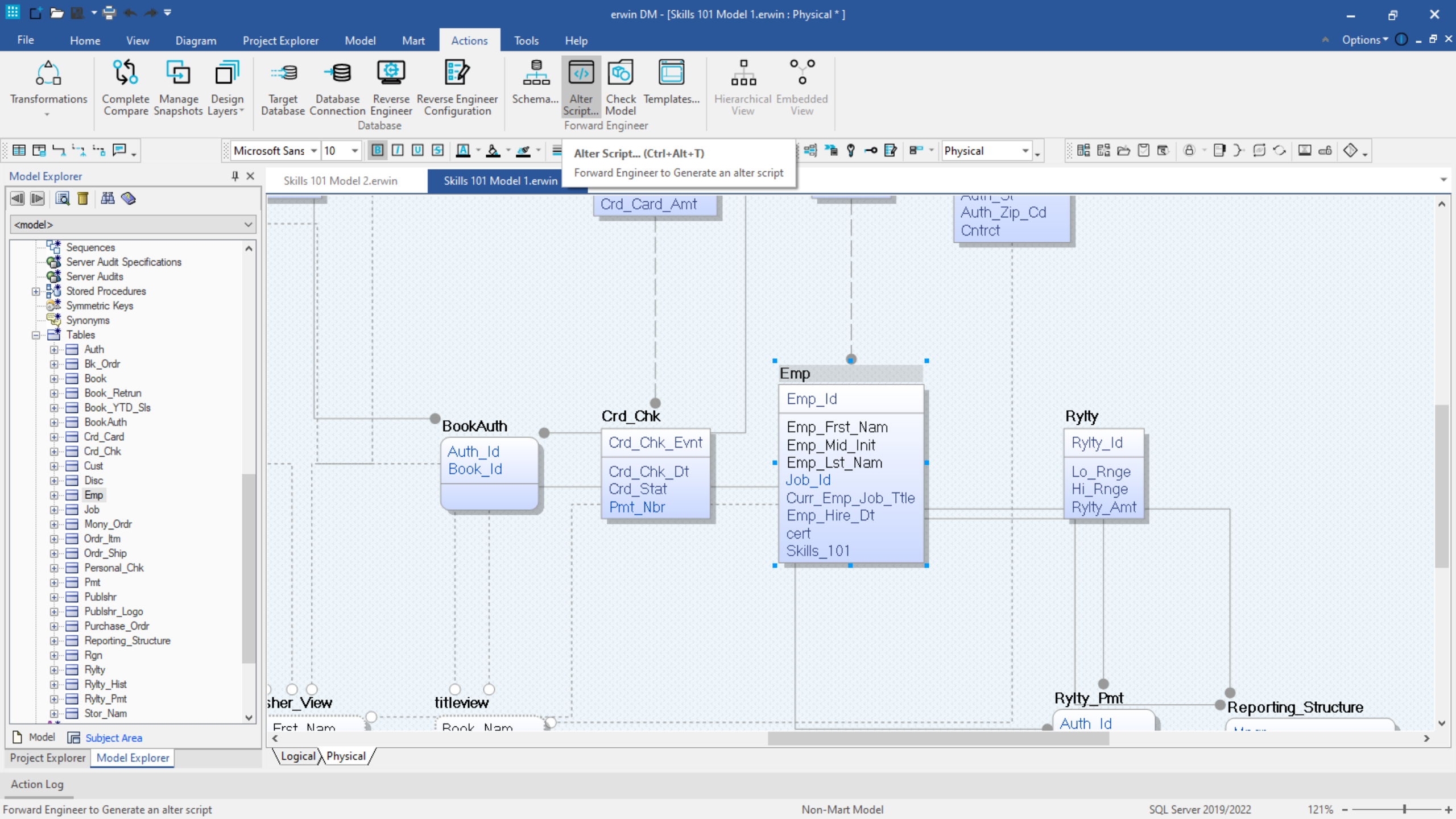
Reporting_Structure

# Forward Engineer - ALTER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Complete Compare
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Alter Script... (Ctrl+Alt+T)
Forward Engineer to Generate an alter script
Microsoft Sans
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Cntrct
BookAuth
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Book_Id
Crd_Chk
Crd_Chk_Evnt
Crd_Chk_Dt
Crd_Stat
Pmt_Nbr
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Emp_Mid_Init
Emp_Lst_Nam
Job_Id
Curr_Emp_Job_Ttle
Emp_Hire_Dt
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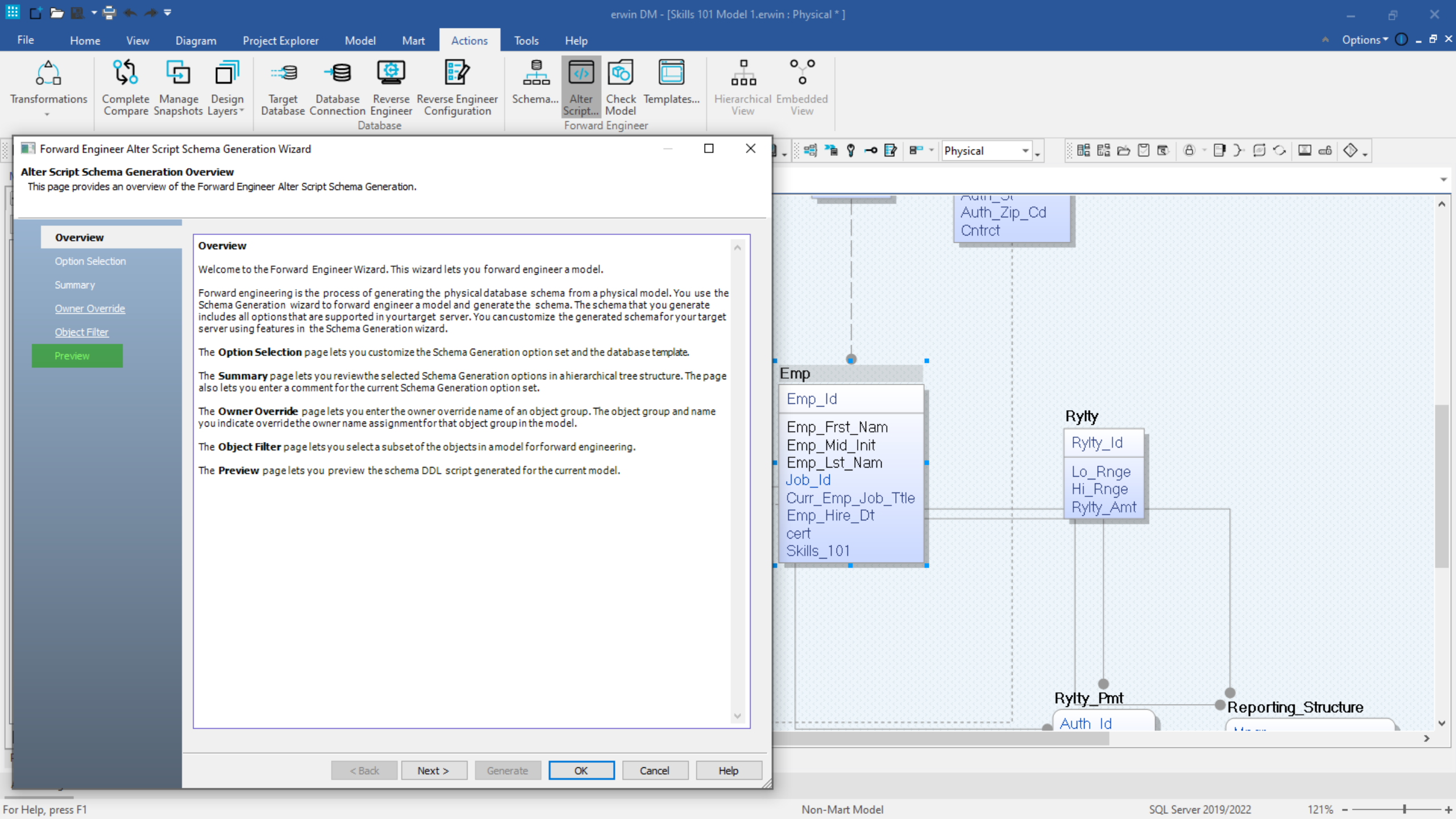
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Forward Engineer Alter Script Schema Generation Wizard
Alter Script Schema Generation Overview
This page provides an overview of the Forward Engineer Alter Script Schema Generation.
Overview
Option Selection
Summary
Owner Override
Object Filter
Preview
Overview
Welcome to the Forward Engineer Wizard. This wizard lets you forward engineer a model.
Forward engineering is the process of generating the physical database schema from a physical model. You use the Schema Generation wizard to forward engineer a model and generate the schema. The schema that you generate includes all options that are supported in your target server. You can customize the generated schema for your target server using features in the Schema Generation wizard.
The Option Selection page lets you customize the Schema Generation option set and the database template.
The Summary page lets you review the selected Schema Generation options in a hierarchical tree structure. The page also lets you enter a comment for the current Schema Generation option set.
The Owner Override page lets you enter the owner override name of an object group. The object group and name you indicate override the owner name assignment for that object group in the model.
The Object Filter page lets you select a subset of the objects in a model for forward engineering.
The Preview page lets you preview the schema DDL script generated for the current model.
< Back
Next >
Generate
OK
Cancel
Help
Auth_Zip_Cd
Cntrct
Emp
Emp_Id
Emp_Frst_Nam
Emp_Mid_Init
Emp_Lst_Nam
Job_Id
Curr_Emp_Job_Ttle
Emp_Hire_Dt
cert
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Rylty_Id
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Reporting_Structure
For Help, press F1
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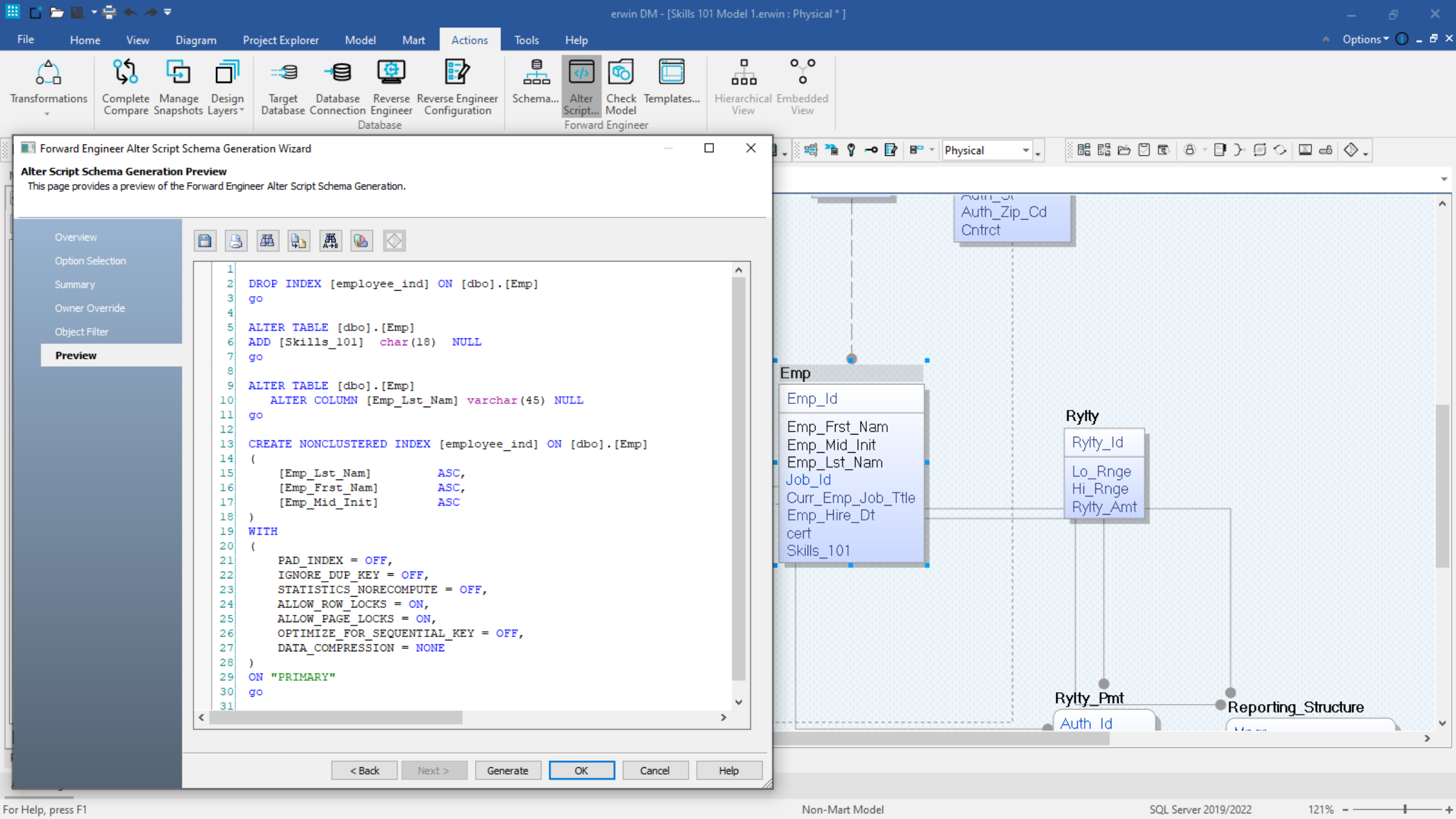
erwin DM - [Skills 101 Model 1.erwin : Physical * ]
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Forward Engineer Alter Script Schema Generation Wizard
Alter Script Schema Generation Preview
This page provides a preview of the Forward Engineer Alter Script Schema Generation.
Overview
Option Selection
Summary
Owner Override
Object Filter
Preview
1 DROP INDEX [employee_ind] ON [dbo].[Emp]
2 go
3
4 ALTER TABLE [dbo].[Emp]
5 ADD [Skills_101] char(18) NULL
6 go
7
8 ALTER TABLE [dbo].[Emp]
9 ALTER COLUMN [Emp_Lst_Nam] varchar(45) NULL
10 go
11
12 CREATE NONCLUSTERED INDEX [employee_ind] ON [dbo].[Emp]
13 (
14 [Emp_Lst_Nam] ASC,
15 [Emp_Frst_Nam] ASC,
16 [Emp_Mid_Init] ASC
17 )
18 WITH
19 (
20 PAD_INDEX = OFF,
21 IGNORE_DUP_KEY = OFF,
22 STATISTICS_NORECOMPUTE = OFF,
23 ALLOW_ROW_LOCKS = ON,
24 ALLOW_PAGE_LOCKS = ON,
25 OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF,
26 DATA_COMPRESSION = NONE
27 )
28 ON "PRIMARY"
29 go
30
31
< Back
Next >
Generate
OK
Cancel
Help
Auth_Zip_Cd
Cntrct
Emp
Emp_Id
Emp_Frst_Nam
Emp_Mid_Init
Emp_Lst_Nam
Job_Id
Curr_Emp_Job_Ttle
Emp_Hire_Dt
cert
Skills_101
Rylty
Rylty_Id
Lo_Rnge
Hi_Rnge
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Rylty_Pmt
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Reporting_Structure
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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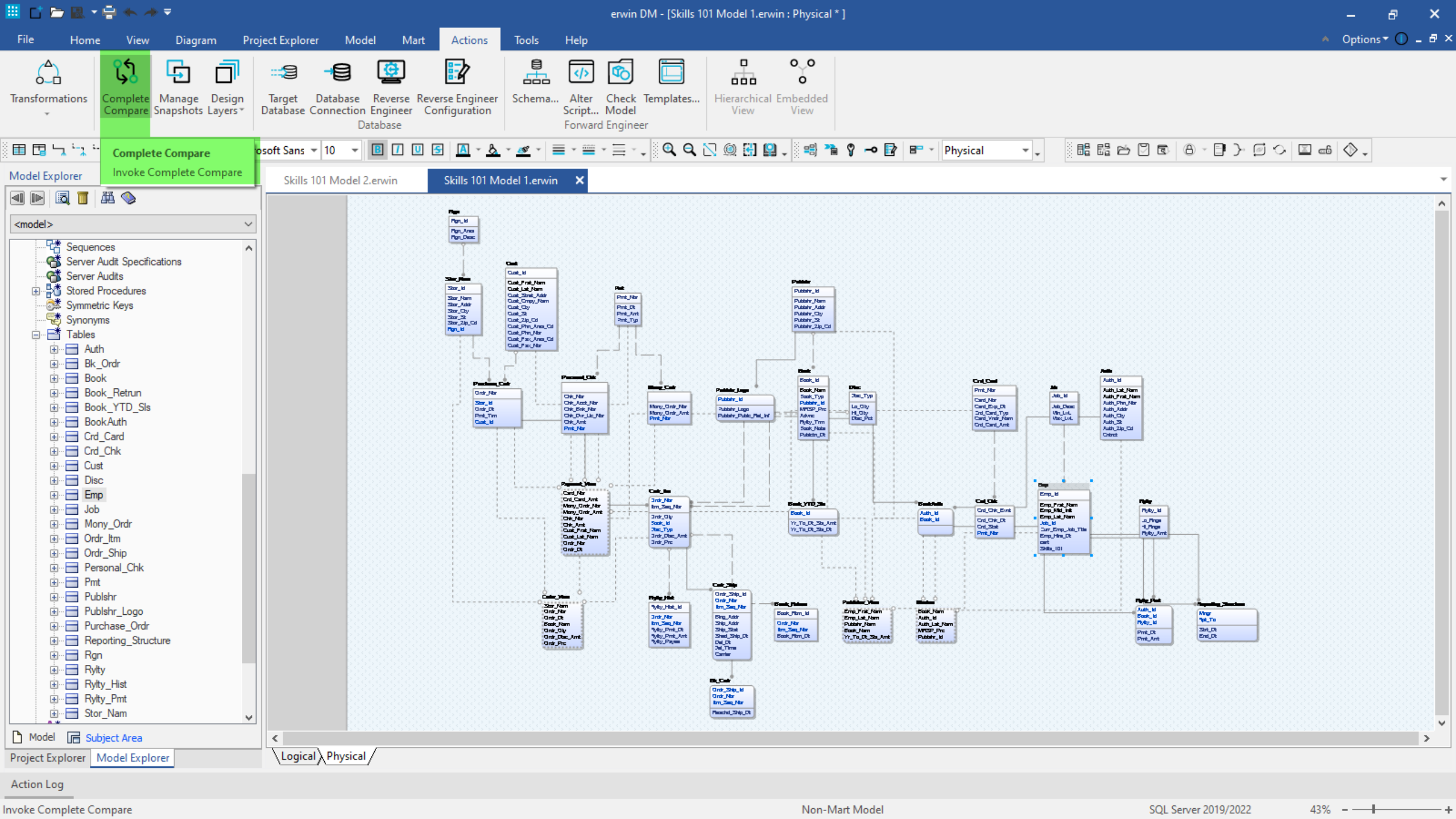
# Complete Compare Impact Analysis


erwin DM - [Skills 101 Model 1.erwin : Physical * ]
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BookAuth
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Crd_Chk
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Ordr_Itm
Ordr_Ship
Personal_Chk
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Publshr_Logo
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Invoke Complete Compare
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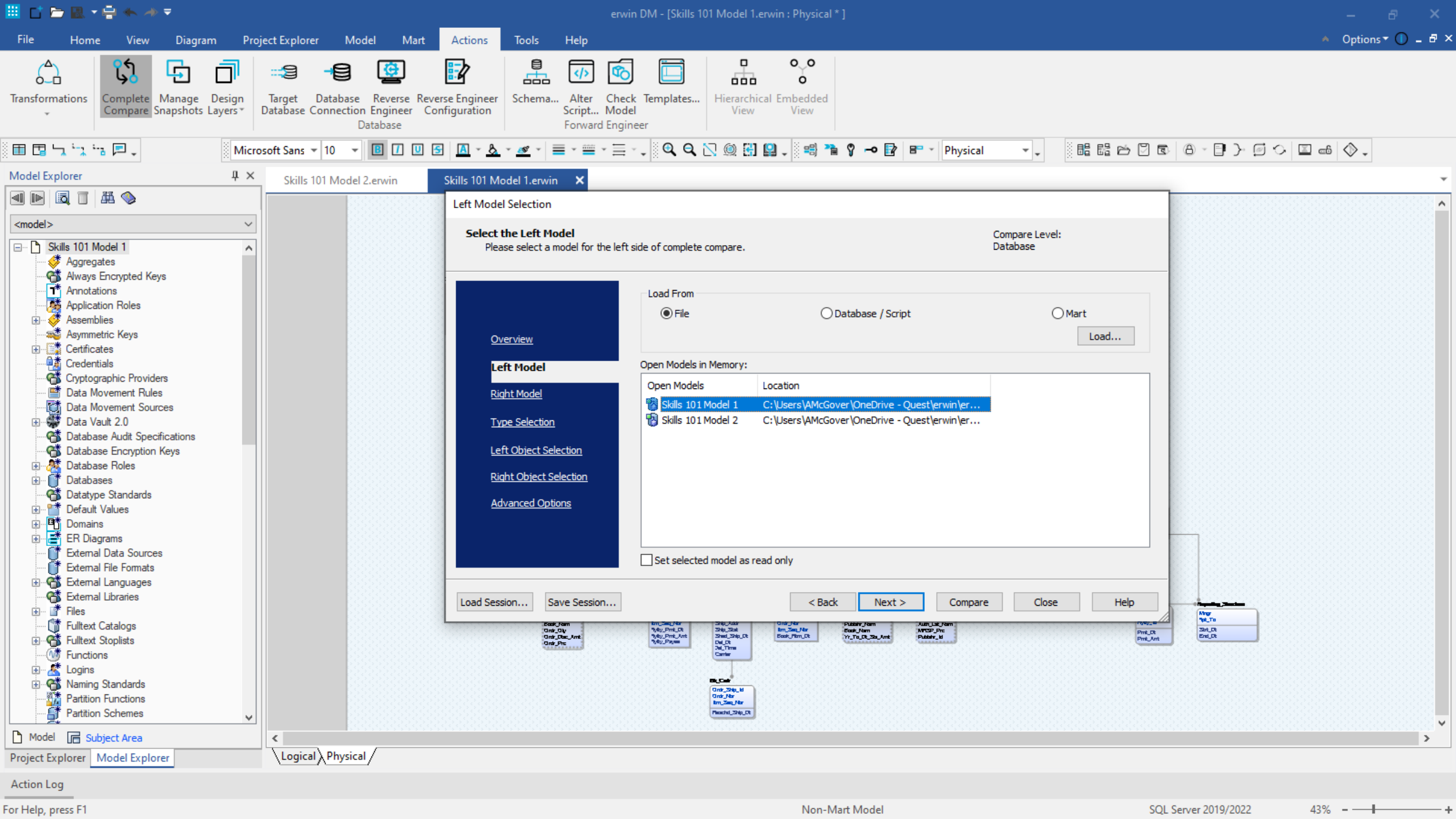
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Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
Database Roles
Databases
Datatype Standards
Default Values
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ER Diagrams
External Data Sources
External File Formats
External Languages
External Libraries
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Logins
Naming Standards
Partition Functions
Partition Schemes
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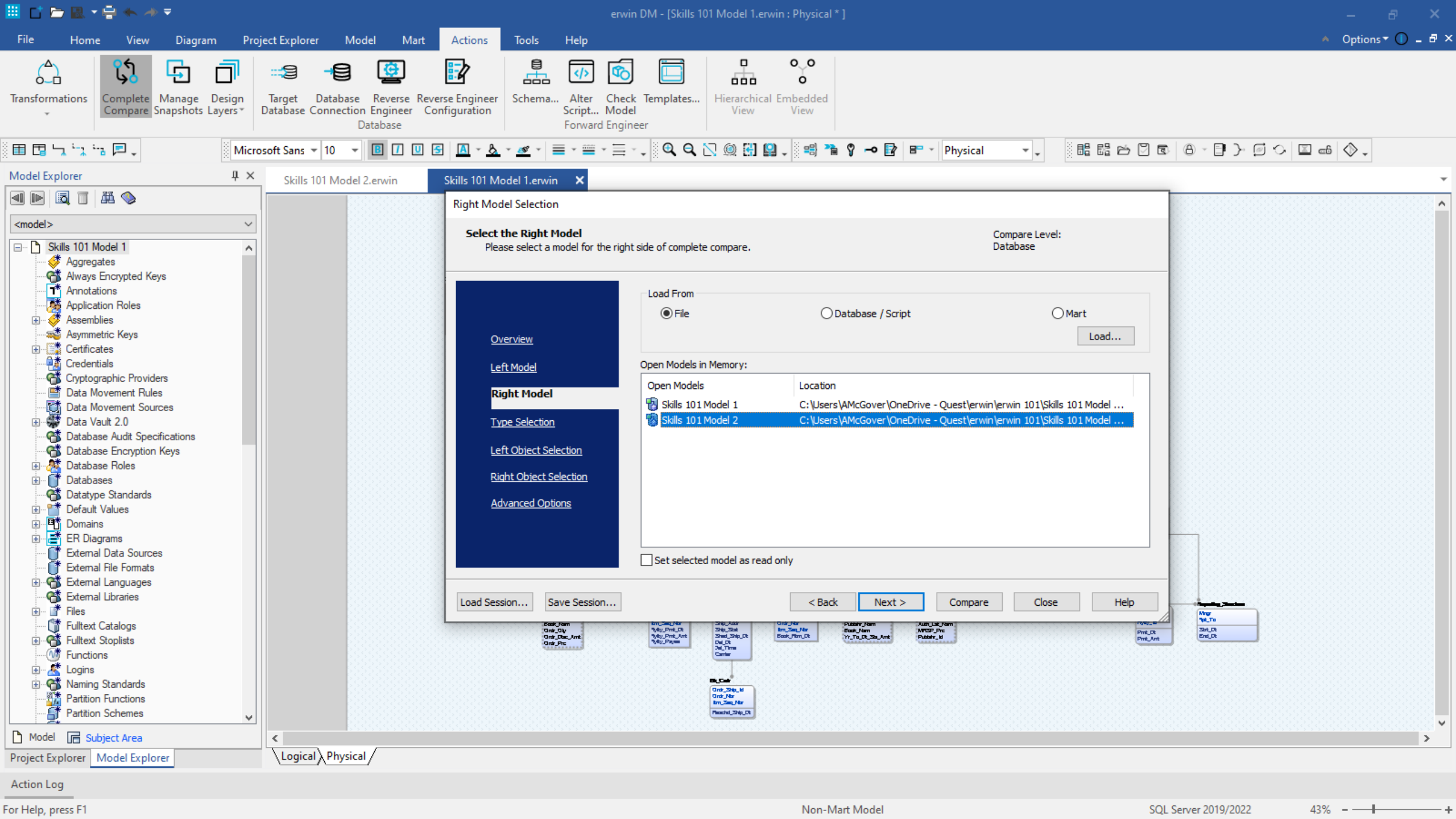
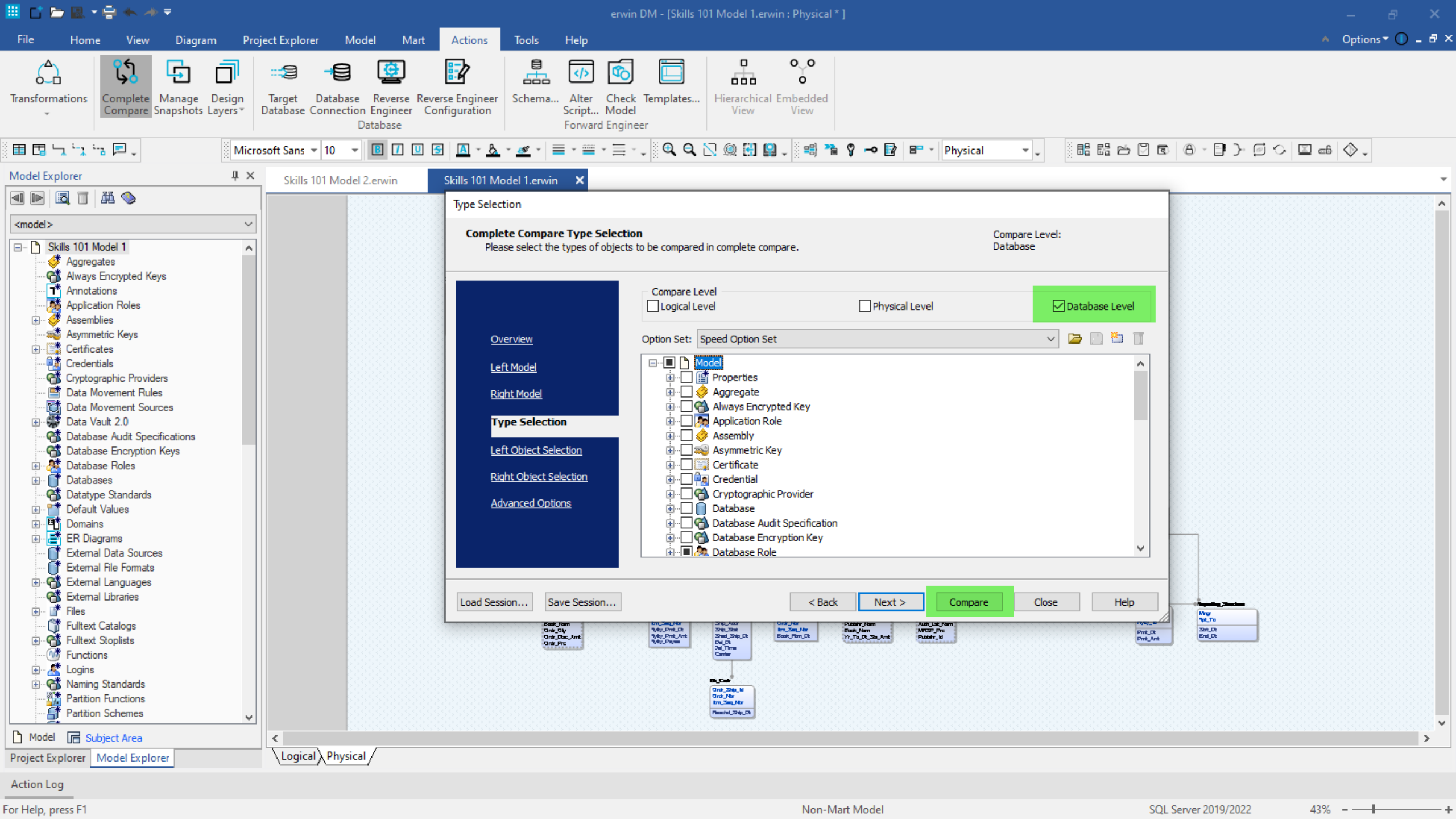
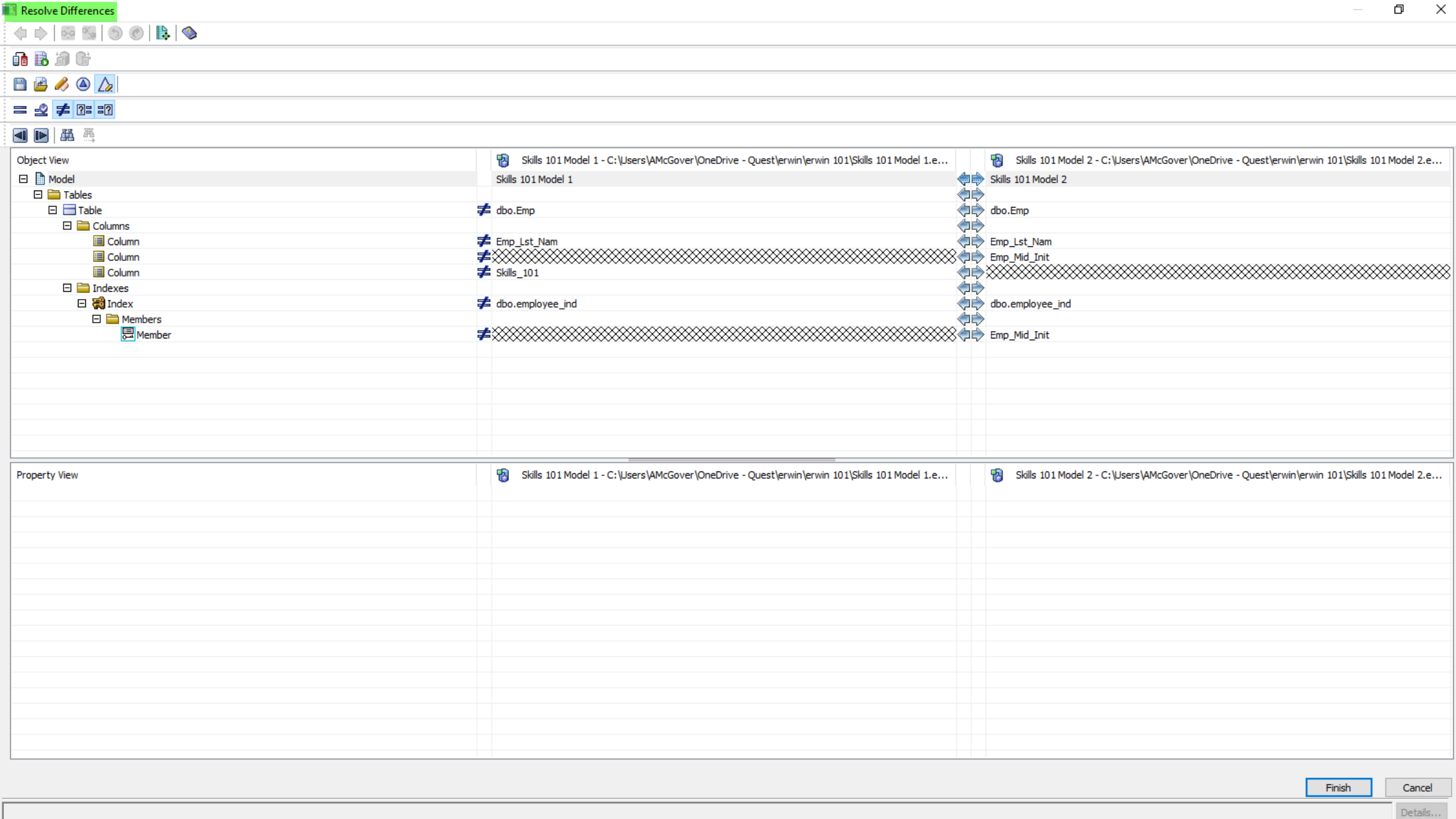
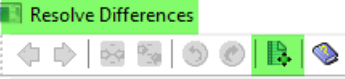
Skills 101 Model 1.erwin
Left Model Selection
Select the Left Model
Please select a model for the left side of complete compare.
Compare Level:
Database
Overview
Left Model
Right Model
Type Selection
Left Object Selection
Right Object Selection
Advanced Options
Load From
File
Database / Script
Mart
Load...
Open Models in Memory:
Open Models
Location
Skills 101 Model 1
C:\Users\AMcGover\OneDrive - Quest\erwin\er...
Skills 101 Model 2
C:\Users\AMcGover\OneDrive - Quest\erwin\er...
Set selected model as read only
Load Session...
Save Session...
< Back
Next >
Compare
Close
Help
Logical
Physical
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
43%

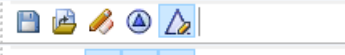

erwin DM - [Skills 101 Model 1.erwin : Physical * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
Transformations
Complete Compare
Manage Snapshots
Design Layers
Target Database
Database Connection
Reverse Engineer
Reverse Engineer Configuration
Database
Schema...
Alter Script...
Check Model
Templates...
Forward Engineer
Hierarchical View
Embedded View
Microsoft Sans
10
Physical
Model Explorer
<model>
Skills 101 Model 1
Aggregates
Always Encrypted Keys
Annotations
Application Roles
Assemblies
Asymmetric Keys
Certificates
Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
Database Roles
Databases
Datatype Standards
Default Values
Domains
ER Diagrams
External Data Sources
External File Formats
External Languages
External Libraries
Files
Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Naming Standards
Partition Functions
Partition Schemes
Model
Subject Area
Project Explorer
Model Explorer
Skills 101 Model 2.erwin
Skills 101 Model 1.erwin
Right Model Selection
Select the Right Model
Please select a model for the right side of complete compare.
Compare Level:
Database
Overview
Left Model
Right Model
Type Selection
Left Object Selection
Right Object Selection
Advanced Options
Load From
File
Database / Script
Mart
Load...
Open Models in Memory:
Open Models
Location
Skills 101 Model 1
C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model ...
Skills 101 Model 2
C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model ...
Set selected model as read only
Load Session...
Save Session...
< Back
Next >
Compare
Close
Help
Logical
Physical
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
43%

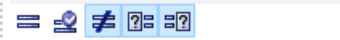

erwin DM - [Skills 101 Model 1.erwin : Physical * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
Transformations
Complete Compare
Manage Snapshots
Design Layers
Target Database
Database Connection
Reverse Engineer
Reverse Engineer Configuration
Database
Schema...
Alter Script...
Check Model
Templates...
Forward Engineer
Hierarchical View
Embedded View
Microsoft Sans
10
Physical
Model Explorer
<model>
Skills 101 Model 1
Aggregates
Always Encrypted Keys
Annotations
Application Roles
Assemblies
Asymmetric Keys
Certificates
Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
Database Roles
Databases
Datatype Standards
Default Values
Domains
ER Diagrams
External Data Sources
External File Formats
External Languages
External Libraries
Files
Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Naming Standards
Partition Functions
Partition Schemes
Model
Subject Area
Project Explorer
Model Explorer
Skills 101 Model 2.erwin
Skills 101 Model 1.erwin
Type Selection
Complete Compare Type Selection
Please select the types of objects to be compared in complete compare.
Compare Level:
Database
Overview
Left Model
Right Model
Type Selection
Left Object Selection
Right Object Selection
Advanced Options
Compare Level
Logical Level
Physical Level
Database Level
Option Set:
Speed Option Set
Model
Properties
Aggregate
Always Encrypted Key
Application Role
Assembly
Asymmetric Key
Certificate
Credential
Cryptographic Provider
Database
Database Audit Specification
Database Encryption Key
Database Role
Load Session...
Save Session...
< Back
Next >
Compare
Close
Help
Logical
Physical
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
43%


Resolve Differences
Object View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Model
Skills 101 Model 1
Skills 101 Model 2
Tables
Table
dbo.Emp
dbo.Emp
Columns
Column
Emp_Lst_Nam
Emp_Lst_Nam
Column
Emp_Mid_Init
Column
Skills_101
Indexes
Index
dbo.employee_ind
dbo.employee_ind
Members
Member
Emp_Mid_Init
Property View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Finish
Cancel
Details...

Resolve Differences







| Object View | Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e... | Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e... |
|---|---|---|
| Model | Skills 101 Model 1 | Skills 101 Model 2 |
| Tables | | |
| Table | dbo.Emp | dbo.Emp |
| Columns | | |
| Column | Emp_Lst_Nam | Emp_Lst_Nam |
| Column | | Emp_Mid_Init |
| Column | Skills_101 | |
| Indexes | | |
| Index | dbo.employee_ind | dbo.employee_ind |
| Members | | |
| Member | | Emp_Mid_Init |

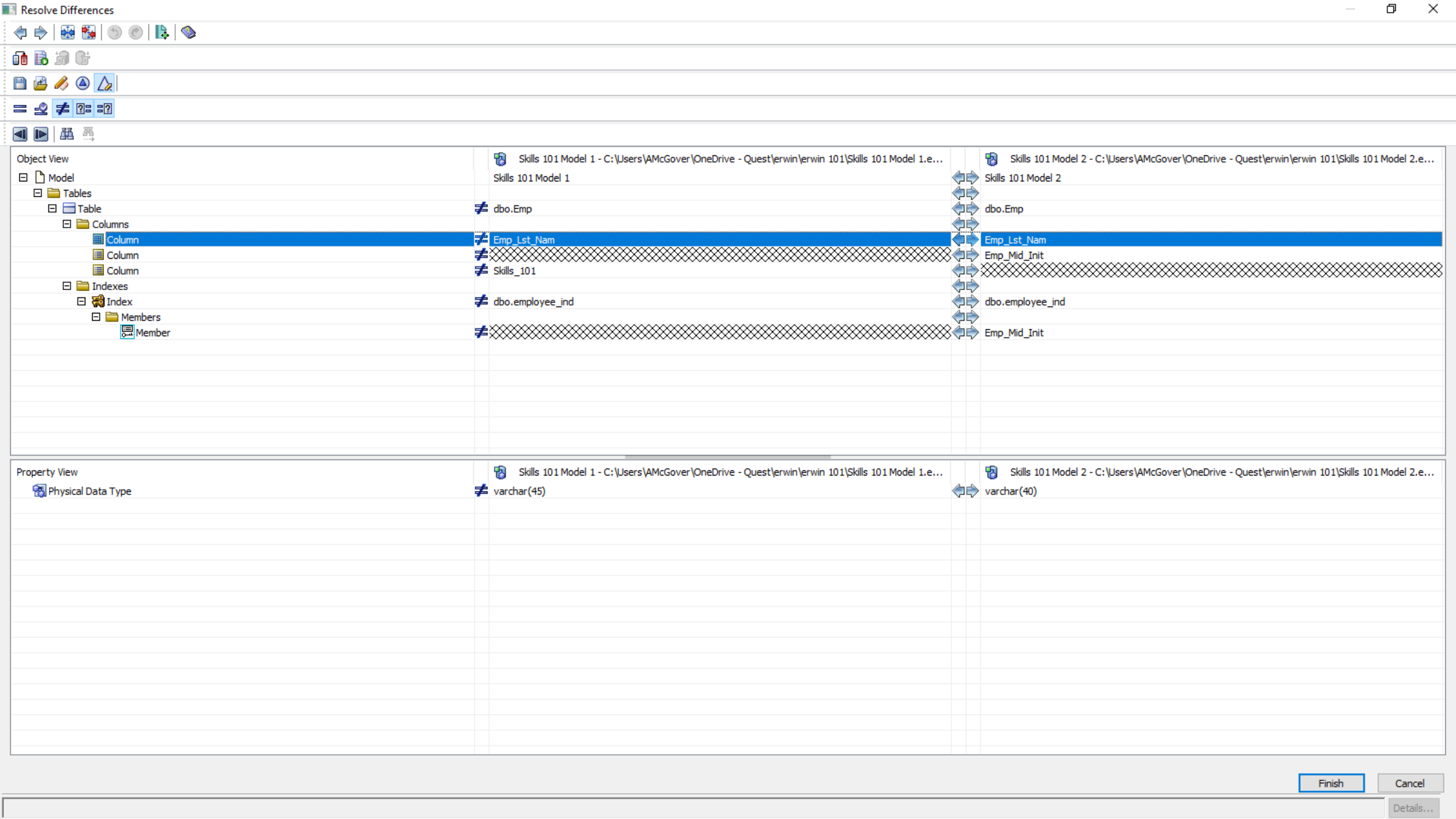
| Property View | Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e... | Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e... |
|---|---|---|

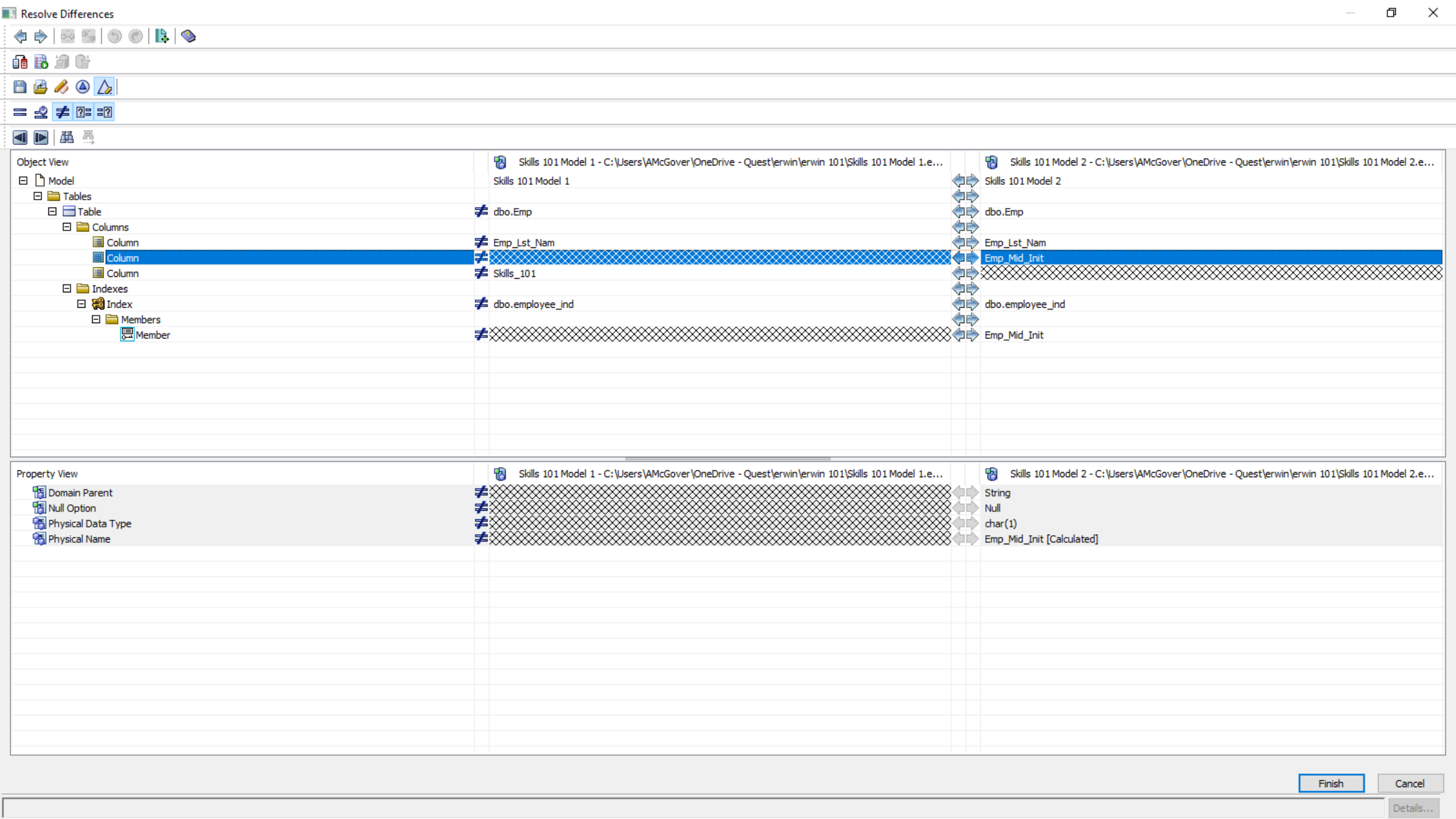
Finish Cancel

Details...

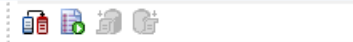
Table Description

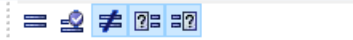
| Type | Left Value | Status | Right Value |
|---|---|---|---|
| Model | Skills 101 Model 1 | Equal | Skills 101 Model 2 |
| Tables | | Equal | |
| Table | dbo.Emp | Not Equal | dbo.Emp |
| Column Order List | Emp_Id,Emp_Frst_Nam,Emp_Lst_Nam,Job_Id,Curr_Emp_Job_Ttle,Emp_Hire_Dt,cert,Skills_101 | Not Equal | Emp_Id,Emp_Frst_Nam,Emp_Mid_Init,Emp_Lst_Nam,Job_Id,Curr_Emp_Job_Ttle,Emp_Hire_Dt,cert |
| Database Column Order | Emp_Id,Emp_Frst_Nam,Emp_Lst_Nam,Job_Id,Curr_Emp_Job_Ttle,Emp_Hire_Dt,cert,Skills_101 | Not Equal | Emp_Id,Emp_Frst_Nam,Emp_Mid_Init,Emp_Lst_Nam,Job_Id,Curr_Emp_Job_Ttle,Emp_Hire_Dt,cert |
| Columns | | Equal | |
| Column | Emp_Lst_Nam | Not Equal | Emp_Lst_Nam |
| Physical Data Type | varchar(45) | Not Equal | varchar(40) |
| Column | | Not Equal | Emp_Mid_Init |
| Null Option | | Not Equal | Null |
| Domain Parent | | Not Equal | String |
| Physical Data Type | | Not Equal | char(1) |
| Physical Name | | Not Equal | Emp_Mid_Init [Calculated] |
| Column | Skills_101 | Not Equal | |
| Null Option | Null [Calculated] | Not Equal | |
| Domain Parent | _default_ | Not Equal | |
| Physical Data Type | char(18) [Calculated] | Not Equal | |
| Physical Name | Skills_101 [Calculated] | Not Equal | |
| Indexes | | Equal | |
| Index | dbo.employee_ind | Not Equal | dbo.employee_ind |
| Index Member Order List | Emp_Lst_Nam,Emp_Frst_Nam | Not Equal | Emp_Lst_Nam,Emp_Frst_Nam,Emp_Mid_Init |
| Members | | Equal | |
| Member | | Not Equal | Emp_Mid_Init |


Resolve Differences
Object View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Model
Skills 101 Model 1
Skills 101 Model 2
Tables
Table
dbo.Emp
dbo.Emp
Columns
Column
Emp_Lst_Nam
Emp_Lst_Nam
Column
Emp_Mid_Init
Column
Skills_101
Indexes
Index
dbo.employee_ind
dbo.employee_ind
Members
Member
Emp_Mid_Init
Property View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Physical Data Type
varchar(45)
varchar(40)
Finish
Cancel
Details...


Resolve Differences
Object View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Model
Skills 101 Model 1
Skills 101 Model 2
Tables
Table
dbo.Emp
dbo.Emp
Columns
Column
Emp_Lst_Nam
Emp_Lst_Nam
Column
Emp_Mid_Init
Column
Skills_101
Indexes
Index
dbo.employee_ind
dbo.employee_ind
Members
Member
Emp_Mid_Init
Property View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Domain Parent
String
Null Option
Null
Physical Data Type
char(1)
Physical Name
Emp_Mid_Init [Calculated]
Finish
Cancel
Details...

Resolve Differences



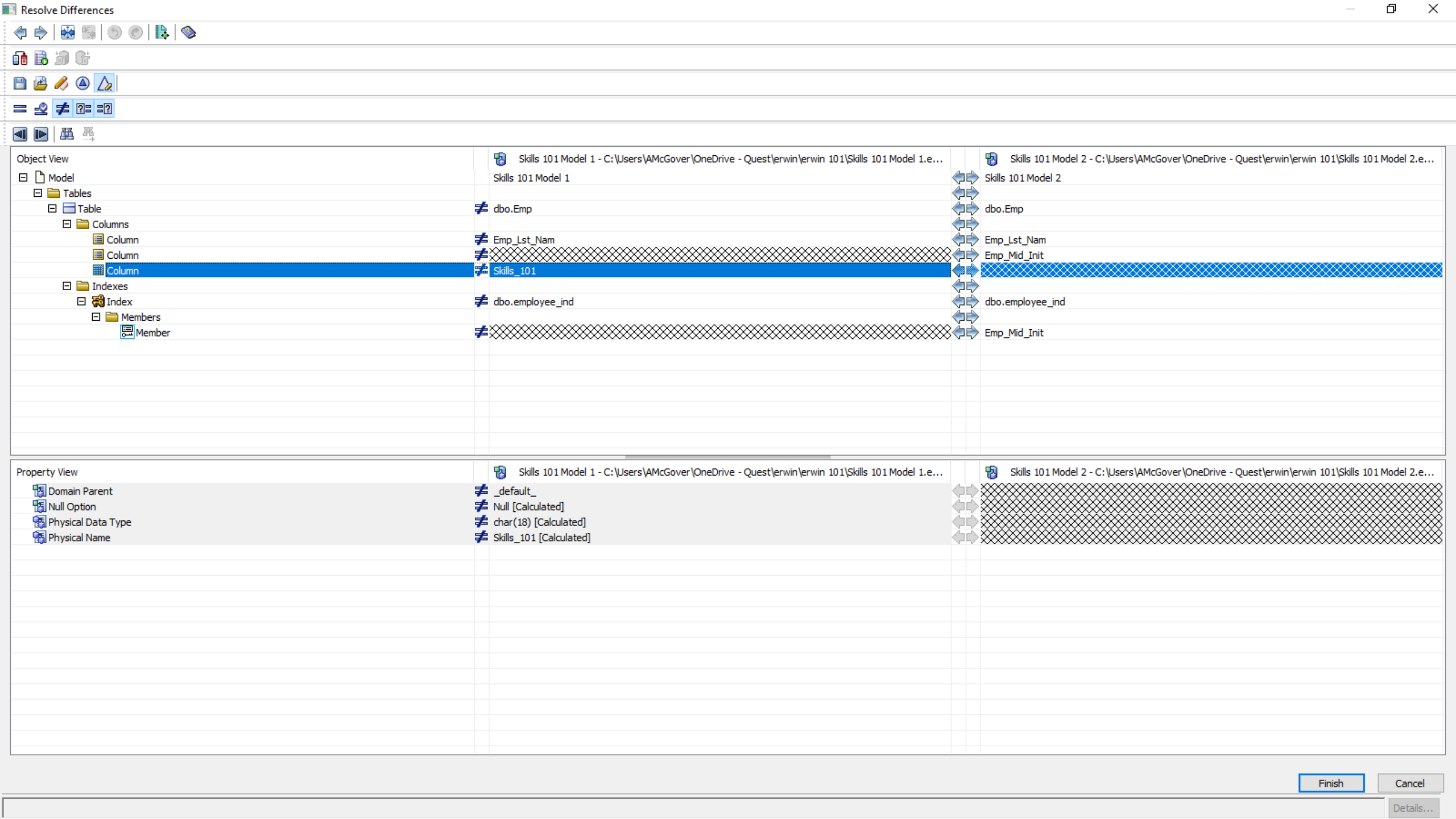


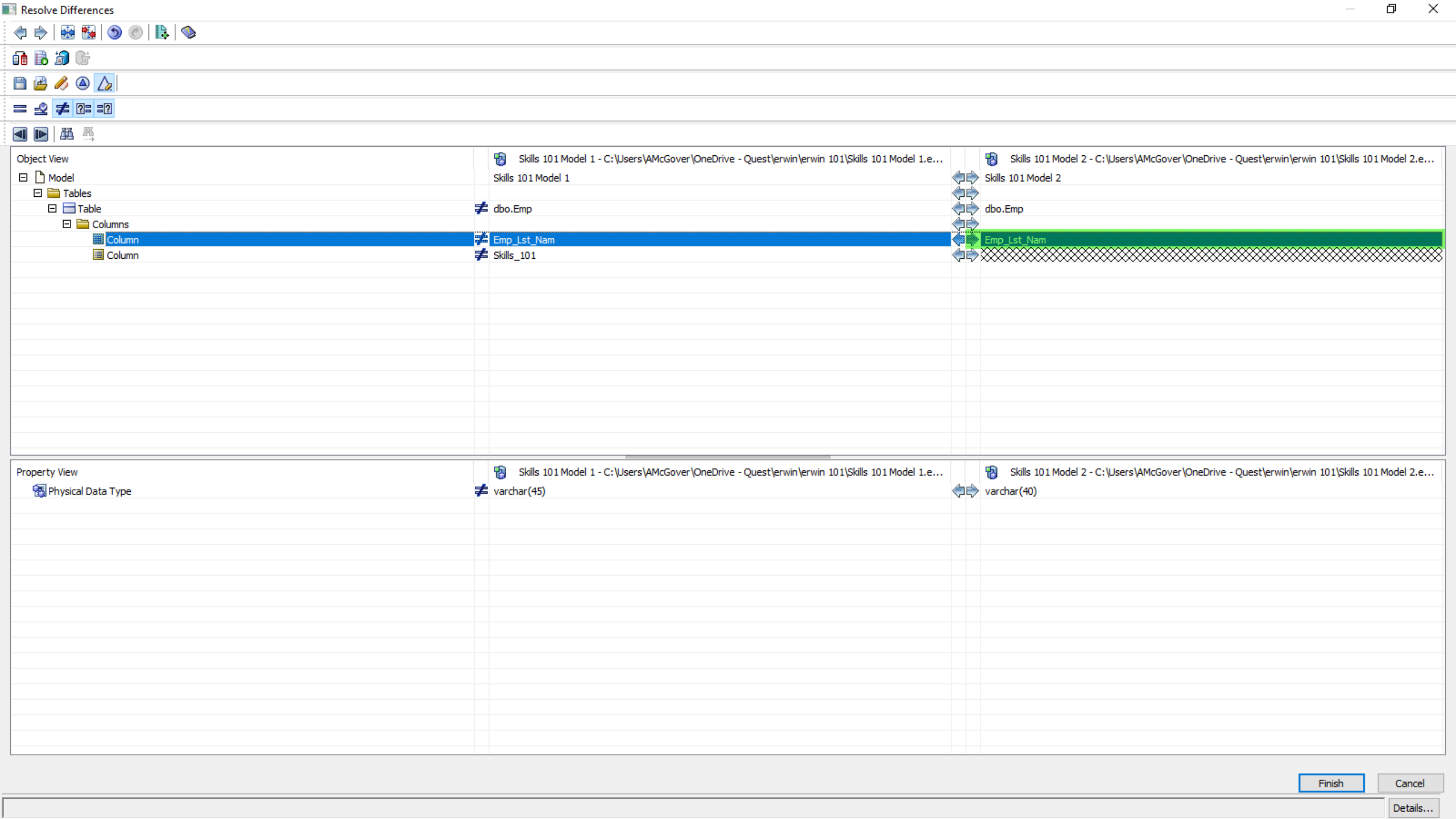
| Object View | Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e... | Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e... |
|---|---|---|
| Model | Skills 101 Model 1 | Skills 101 Model 2 |
| Tables | | |
| Table | dbo.Emp | dbo.Emp |
| Columns | | |
| Column | Emp_Lst_Nam | Emp_Lst_Nam |
| Column | | Emp_Mid_Init |
| Column | Skills_101 | |
| Indexes | | |
| Index | dbo.employee_ind | dbo.employee_ind |
| Members | | |
| Member | | Emp_Mid_Init |

| Property View | Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e... | Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e... |
|---|---|---|
| Index Member Order List | Emp_Lst_Nam,Emp_Frst_Nam | Emp_Lst_Nam,Emp_Frst_Nam,Emp_Mid_Init |

Finish Cancel

Details...


Resolve Differences
Object View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Model
Skills 101 Model 1
Skills 101 Model 2
Tables
Table
dbo.Emp
dbo.Emp
Columns
Column
Emp_Lst_Nam
Emp_Lst_Nam
Column
Emp_Mid_Init
Column
Skills_101
Indexes
Index
dbo.employee_ind
dbo.employee_ind
Members
Member
Emp_Mid_Init
Property View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Domain Parent
_default_
Null Option
Null [Calculated]
Physical Data Type
char(18) [Calculated]
Physical Name
Skills_101 [Calculated]
Finish
Cancel
Details...


Resolve Differences
Object View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Model
Skills 101 Model 1
Skills 101 Model 2
Tables
Table
dbo.Emp
dbo.Emp
Columns
Column
Emp_Lst_Nam
Emp_Lst_Nam
Column
Skills_101
Property View
Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Physical Data Type
varchar(45)
varchar(40)
Finish
Cancel
Details...

Resolve Differences

Object View

| | Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e... | Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e... |
|---|---|---|
| Model | Skills 101 Model 1 | Skills 101 Model 2 |
| Tables | | |
| Table | dbo.Emp | dbo.Emp |
| Columns | | |
| Column | Emp_Lst_Nam | Emp_Lst_Nam |
| Column | Skills_101 | |

Property View

| | Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e... | Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e... |
|---|---|---|
| Physical Data Type | varchar(45) | varchar(40) |

Finish Cancel

Details...

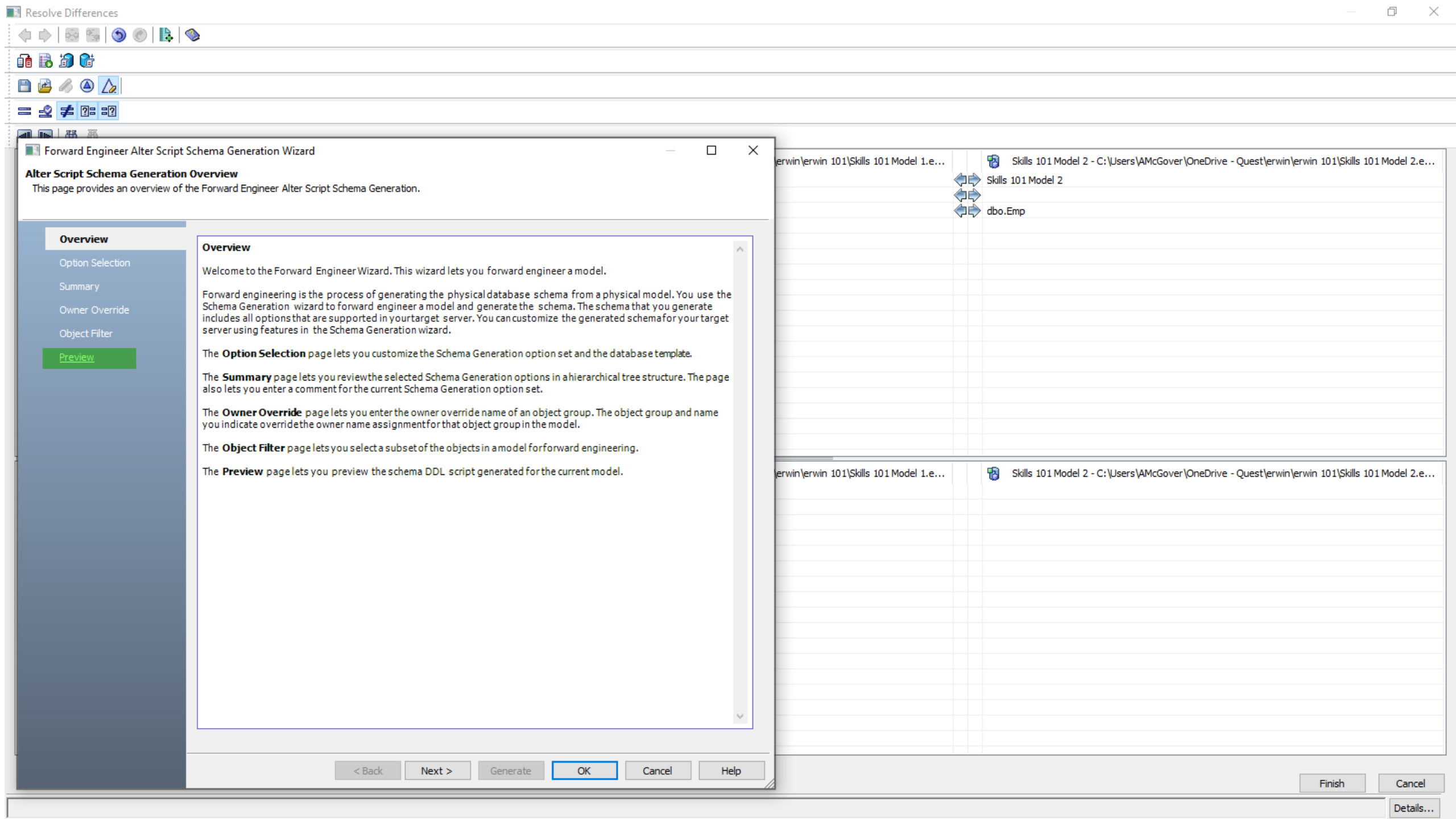
Resolve Differences

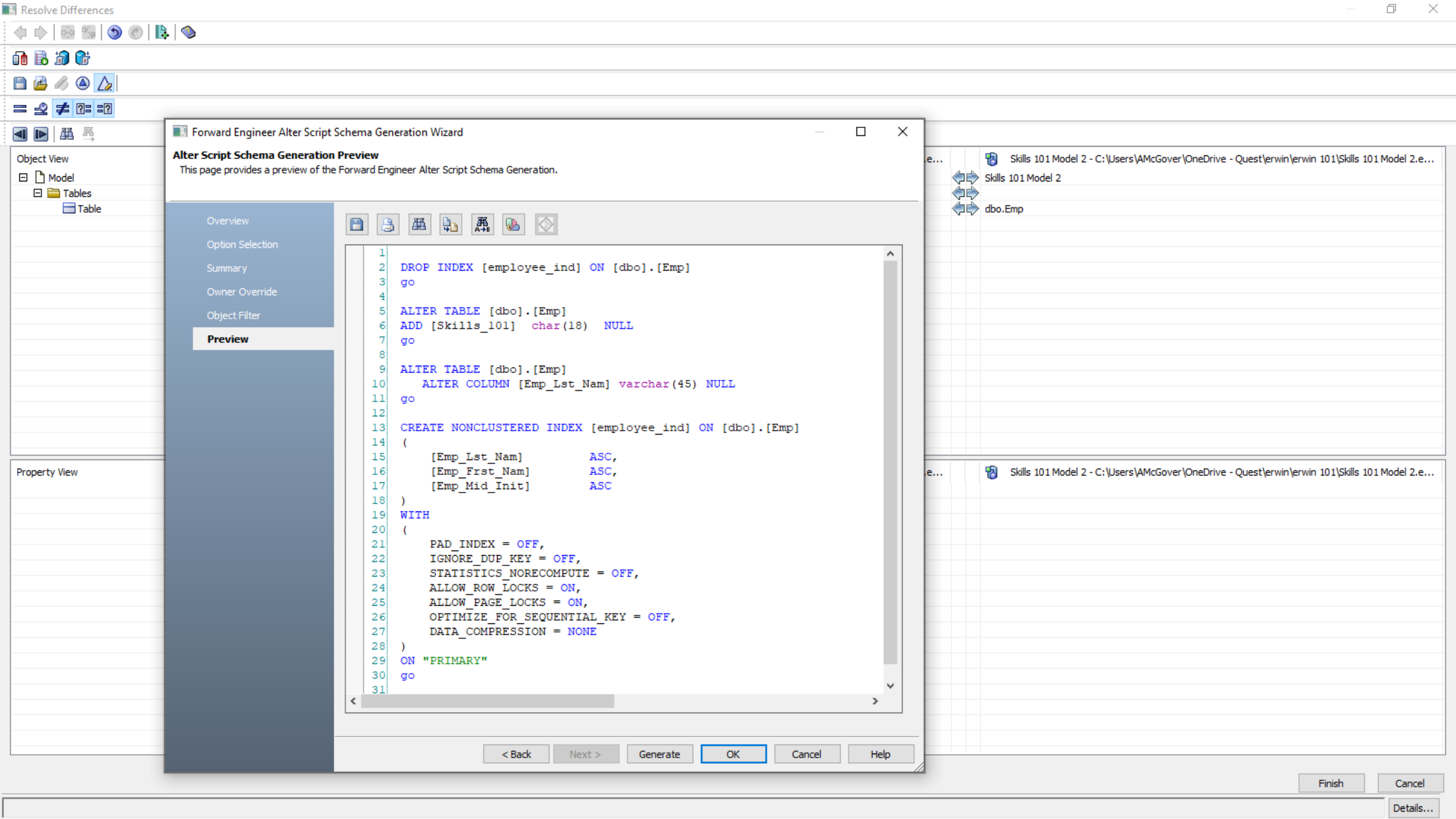
| Object View | Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e... | Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e... |
|---|---|---|
| Model | Skills 101 Model 1 | Skills 101 Model 2 |
| Tables | | |
| Table | dbo.Emp | dbo.Emp |

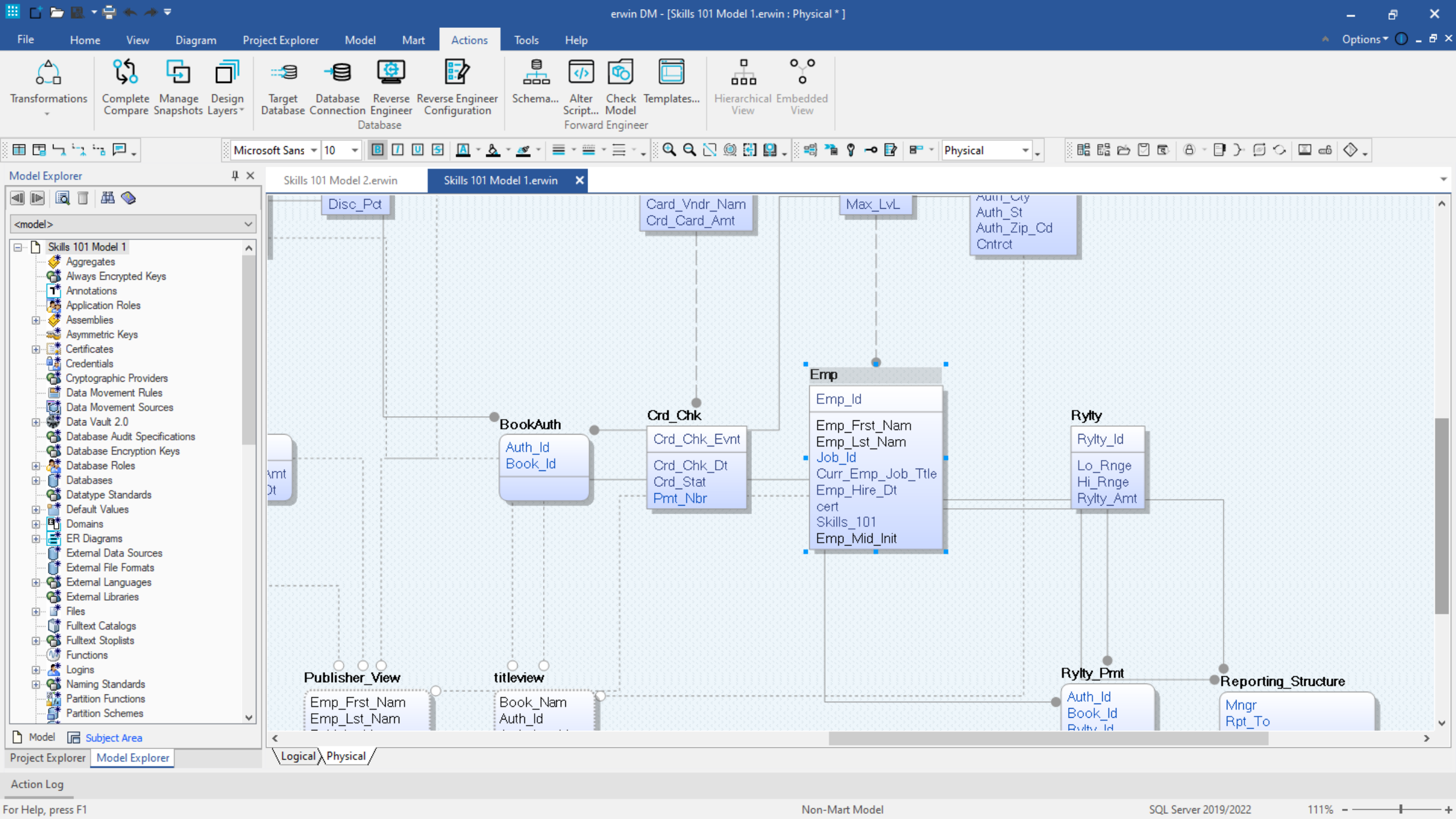
| Property View | Skills 101 Model 1 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 1.e... | Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e... |
|---|---|---|

Finish Cancel

Details...


Resolve Differences
Forward Engineer Alter Script Schema Generation Wizard
Alter Script Schema Generation Overview
This page provides an overview of the Forward Engineer Alter Script Schema Generation.
Overview
Option Selection
Summary
Owner Override
Object Filter
Preview
Overview
Welcome to the Forward Engineer Wizard. This wizard lets you forward engineer a model.
Forward engineering is the process of generating the physical database schema from a physical model. You use the Schema Generation wizard to forward engineer a model and generate the schema. The schema that you generate includes all options that are supported in your target server. You can customize the generated schema for your target server using features in the Schema Generation wizard.
The Option Selection page lets you customize the Schema Generation option set and the database template.
The Summary page lets you review the selected Schema Generation options in a hierarchical tree structure. The page also lets you enter a comment for the current Schema Generation option set.
The Owner Override page lets you enter the owner override name of an object group. The object group and name you indicate override the owner name assignment for that object group in the model.
The Object Filter page lets you select a subset of the objects in a model for forward engineering.
The Preview page lets you preview the schema DDL script generated for the current model.
< Back
Next >
Generate
OK
Cancel
Help
\erwin\erwin 101\Skills 101 Model 1.e...
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Skills 101 Model 2
dbo.Emp
Finish
Cancel
Details...


Resolve Differences
Object View
Model
Tables
Table
Property View
Skills 101 Model 2 - C:\Users\AMcGover\OneDrive - Quest\erwin\erwin 101\Skills 101 Model 2.e...
Skills 101 Model 2
dbo.Emp
Forward Engineer Alter Script Schema Generation Wizard
Alter Script Schema Generation Preview
This page provides a preview of the Forward Engineer Alter Script Schema Generation.
Overview
Option Selection
Summary
Owner Override
Object Filter
Preview
DROP INDEX [employee_ind] ON [dbo].[Emp]
go
ALTER TABLE [dbo].[Emp]
ADD [Skills_101] char(18) NULL
go
ALTER TABLE [dbo].[Emp]
ALTER COLUMN [Emp_Lst_Nam] varchar(45) NULL
go
CREATE NONCLUSTERED INDEX [employee_ind] ON [dbo].[Emp]
(
[Emp_Lst_Nam] ASC,
[Emp_Frst_Nam] ASC,
[Emp_Mid_Init] ASC
)
WITH
(
PAD_INDEX = OFF,
IGNORE_DUP_KEY = OFF,
STATISTICS_NORECOMPUTE = OFF,
ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF,
DATA_COMPRESSION = NONE
)
ON "PRIMARY"
go
< Back
Next >
Generate
OK
Cancel
Help
Finish
Cancel
Details...


erwin DM - [Skills 101 Model 1.erwin : Physical * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
Transformations
Complete Compare
Manage Snapshots
Design Layers
Target Database
Database Connection
Reverse Engineer
Reverse Engineer Configuration
Database
Schema...
Alter Script...
Check Model
Templates...
Forward Engineer
Hierarchical View
Embedded View
Microsoft Sans
10
Physical
Model Explorer
<model>
Skills 101 Model 1
Aggregates
Always Encrypted Keys
Annotations
Application Roles
Assemblies
Asymmetric Keys
Certificates
Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
Database Roles
Databases
Datatype Standards
Default Values
Domains
ER Diagrams
External Data Sources
External File Formats
External Languages
External Libraries
Files
Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Naming Standards
Partition Functions
Partition Schemes
Model
Subject Area
Project Explorer
Model Explorer
Skills 101 Model 2.erwin
Skills 101 Model 1.erwin
Disc_Pct
Card_Vndr_Nam
Crd_Card_Amt
Max_LvL
Auth_St
Auth_Zip_Cd
Cntrct
BookAuth
Auth_Id
Book_Id
Crd_Chk
Crd_Chk_Evnt
Crd_Chk_Dt
Crd_Stat
Pmt_Nbr
Emp
Emp_Id
Emp_Frst_Nam
Emp_Lst_Nam
Job_Id
Curr_Emp_Job_Ttle
Emp_Hire_Dt
cert
Skills_101
Emp_Mid_Init
Rylty
Rylty_Id
Lo_Rnge
Hi_Rnge
Rylty_Amt
Publisher_View
Emp_Frst_Nam
Emp_Lst_Nam
titleview
Book_Nam
Auth_Id
Rylty_Pmt
Auth_Id
Book_Id
Reporting_Structure
Mngr
Rpt_To
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Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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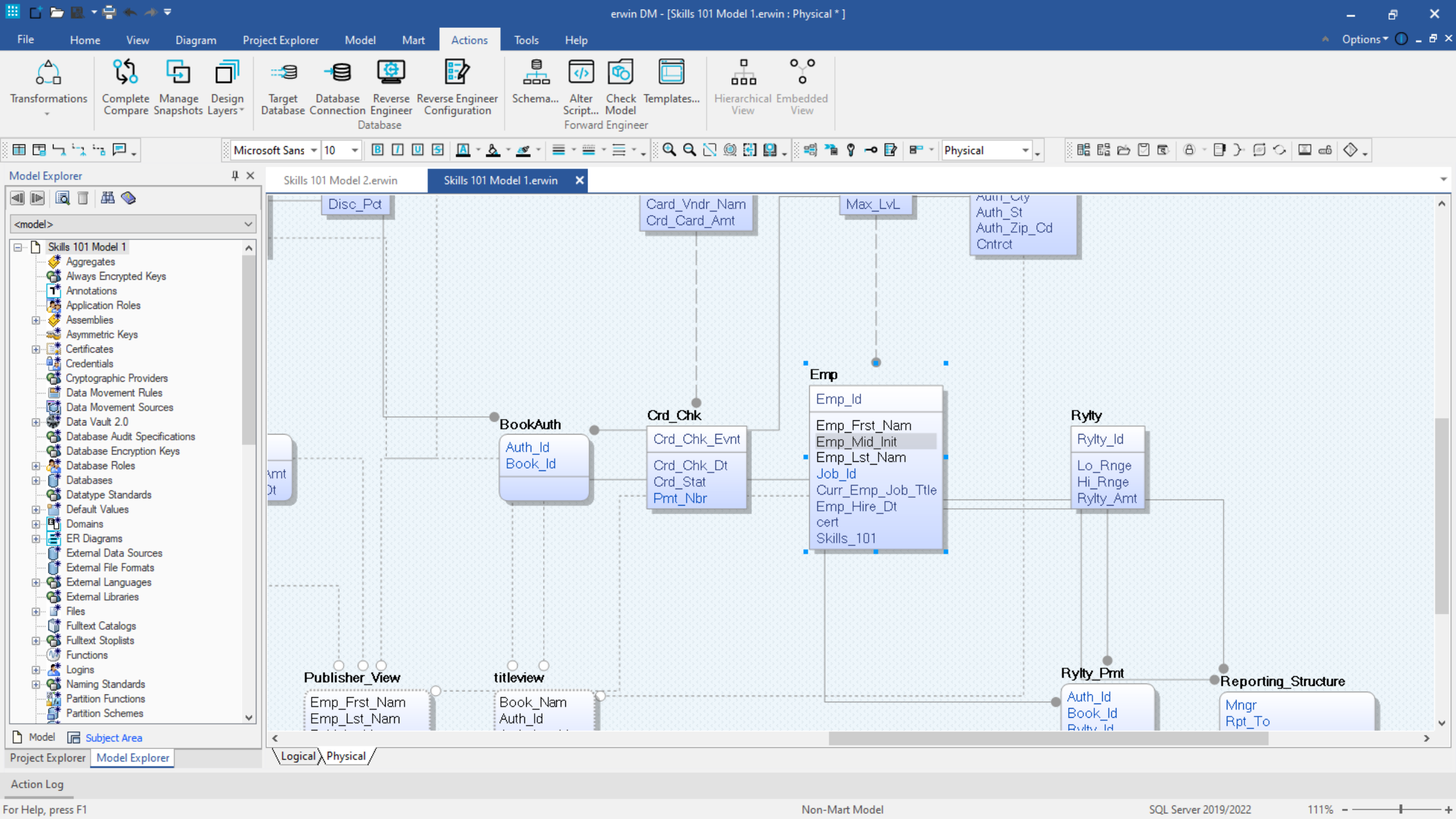
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Manage Snapshots
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Asymmetric Keys
Certificates
Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
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External File Formats
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Logins
Naming Standards
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Card_Vndr_Nam
Crd_Card_Amt
Max_LvL
Auth_St
Auth_Zip_Cd
Cntrct
BookAuth
Auth_Id
Book_Id
Crd_Chk
Crd_Chk_Evnt
Crd_Chk_Dt
Crd_Stat
Pmt_Nbr
Emp
Emp_Id
Emp_Frst_Nam
Emp_Mid_Init
Emp_Lst_Nam
Job_Id
Curr_Emp_Job_Ttle
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cert
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Lo_Rnge
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Rylty_Amt
Publisher_View
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Emp_Lst_Nam
titleview
Book_Nam
Auth_Id
Rylty_Pmt
Auth_Id
Book_Id
Reporting_Structure
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Rpt_To
Logical
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Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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# Build an Active Model Template

**New Diagram**
Create a new diagram

Microsoft Sans 10 Physical

Skills 101 Model 2.erwin | Skills 101 Model 1.erwin

<model>

- Skills 101 Model 1
  - Aggregates
  - Always Encrypted Keys
  - Annotations
  - Application Roles
  - Assemblies
  - Asymmetric Keys
  - Certificates
  - Credentials
  - Cryptographic Providers
  - Data Movement Rules
  - Data Movement Sources
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  - Database Audit Specifications
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  - Database Roles
  - Databases
  - Datatype Standards
  - Default Values
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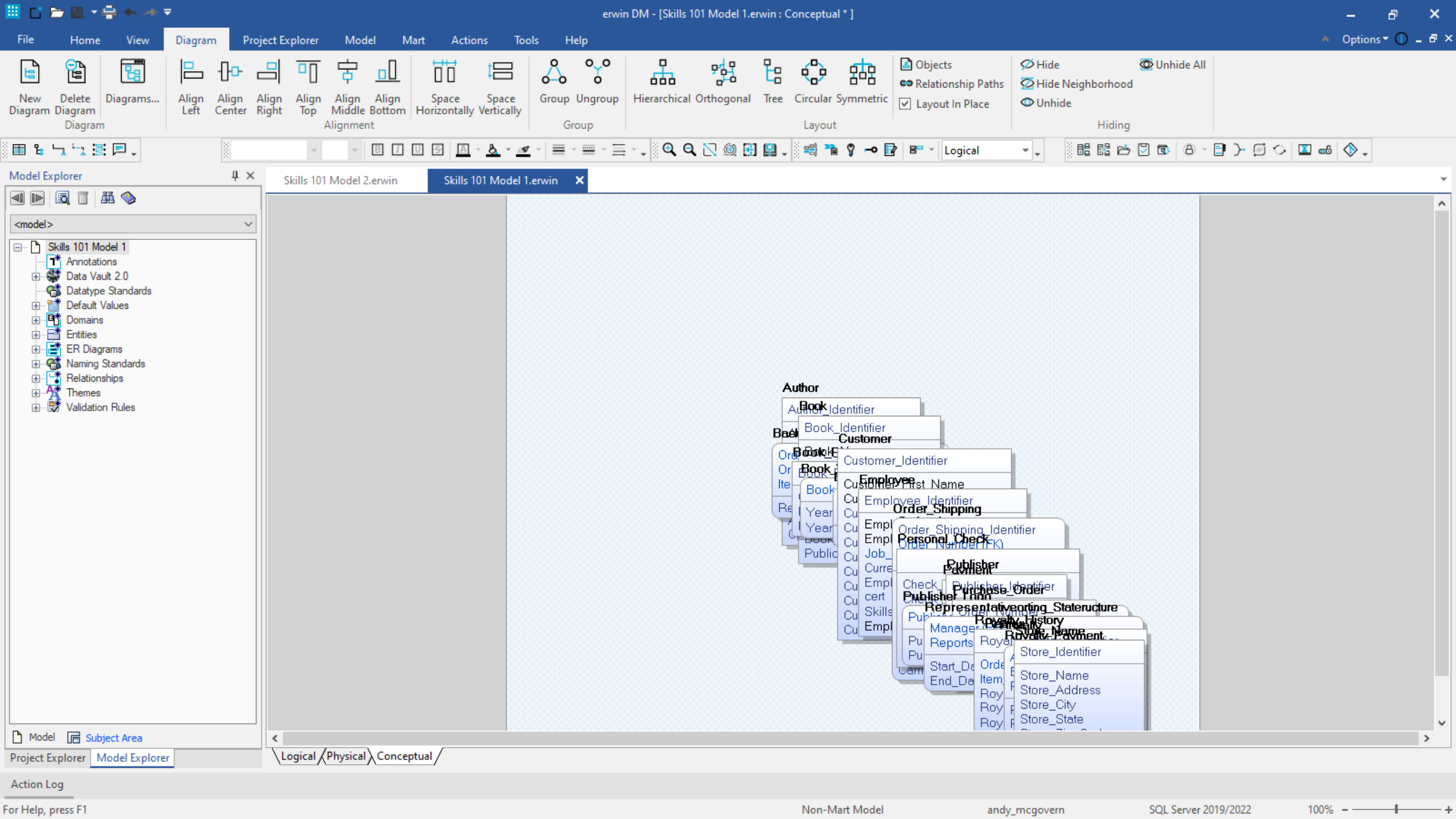
  - ER Diagrams
  - External Data Sources
  - External File Formats
  - External Languages
  - External Libraries
  - Files
  - Fulltext Catalogs
  - Fulltext Stoplists
  - Functions
  - Logins
  - Naming Standards
  - Partition Functions
  - Partition Schemes

Model | Subject Area

Project Explorer | Model Explorer

Logical | Physical

Action Log


erwin DM - [Skills 101 Model 1.erwin : Conceptual * ]
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Help
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Delete Diagram
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Skills 101 Model 1.erwin
Author
Book
Book_Identifier
Customer
Customer_Identifier
Employee
Employee_Identifier
Order_Shipping
Order_Shipping_Identifier
Personal_Check
Publisher
Publisher_Identifier
Purchase_Order
Store_Identifier
Store_Name
Store_Address
Store_City
Store_State
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Physical
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Action Log
For Help, press F1
Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
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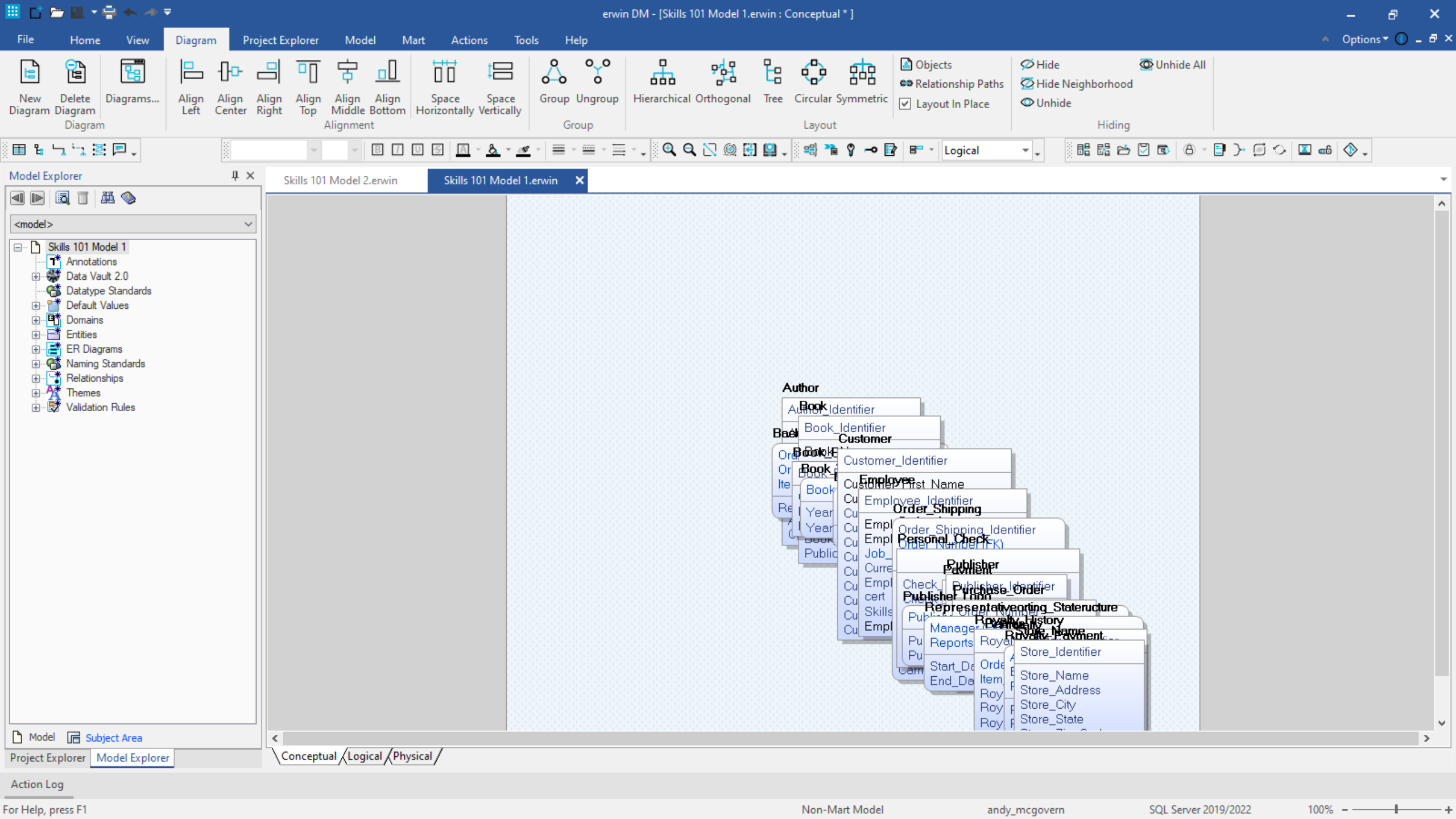
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Author
Book
Book_Identifier
Customer
Customer_Identifier
Employee
Employee_Identifier
Order_Shipping
Order_Shipping_Identifier
Personal_Check
Publisher
Publisher_Identifier
Purchase_Order
Store_Identifier
Store_Name
Store_Address
Store_City
Store_State
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Physical
Action Log
For Help, press F1
Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
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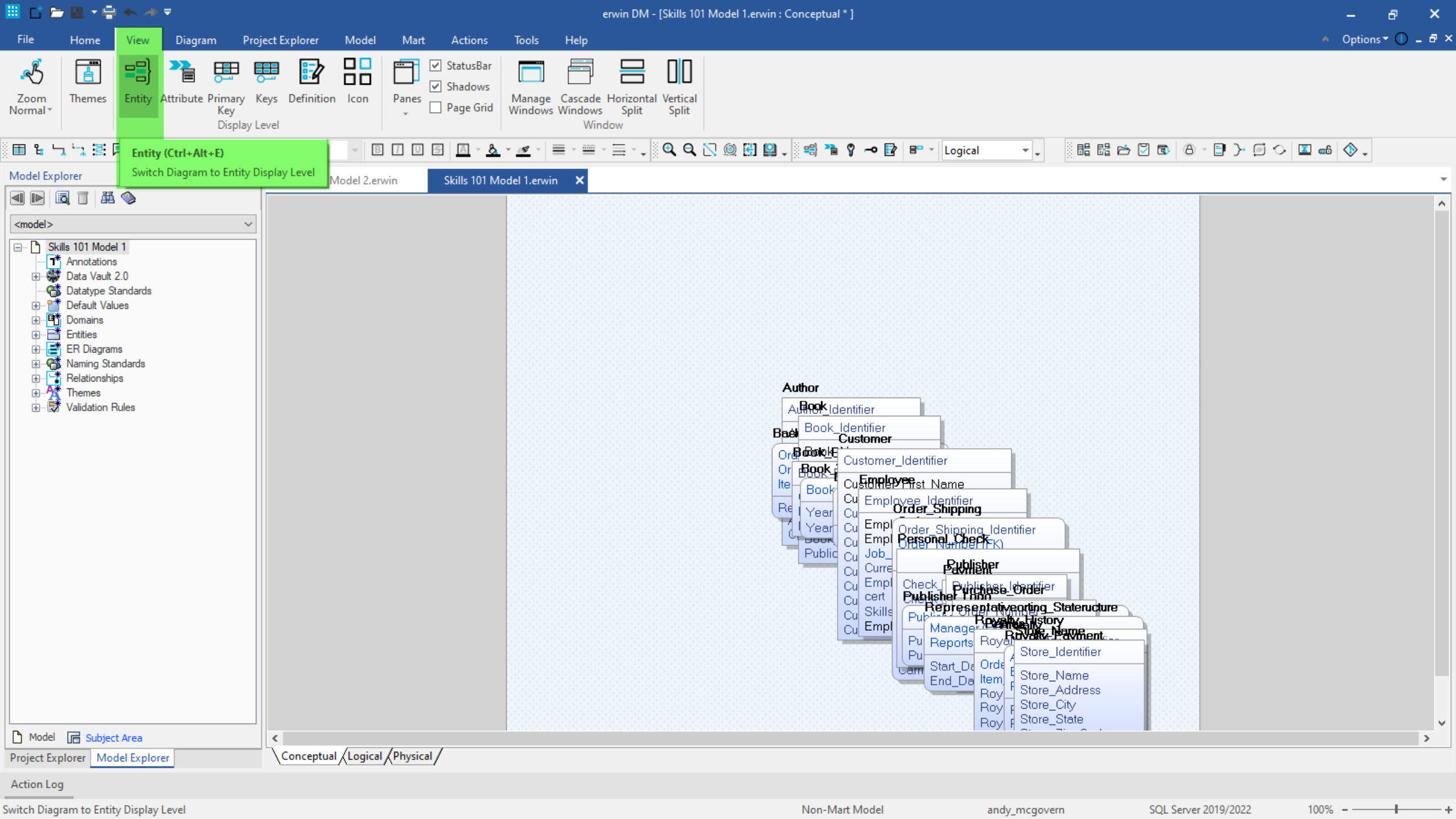
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Themes
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Keys
Definition
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Panes
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Manage Windows
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Horizontal Split
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Entity (Ctrl+Alt+E)
Switch Diagram to Entity Display Level
Logical
Model Explorer
Model 2.erwin
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<model>
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Book
Book_Identifier
Customer
Customer_Identifier
Employee
Employee_Identifier
Order_Shipping
Order_Shipping_Identifier
Personal_Check
Publisher
Publisher_Identifier
Purchase_Order
Store_Identifier
Store_Name
Store_Address
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Physical
Action Log
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Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
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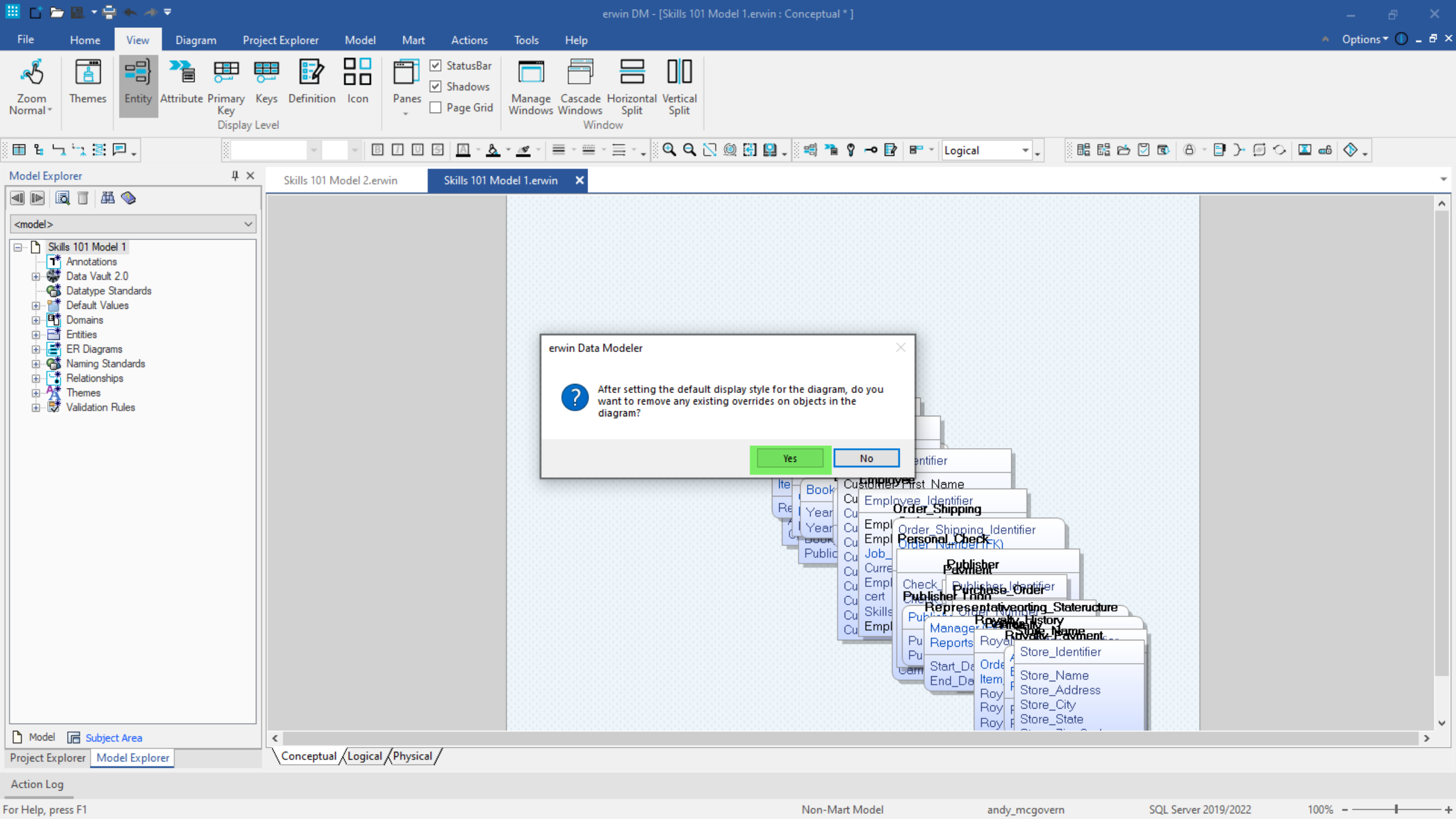
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erwin Data Modeler
After setting the default display style for the diagram, do you want to remove any existing overrides on objects in the diagram?
Yes
No
Conceptual
Logical
Physical
Action Log
For Help, press F1
Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
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Zoom Normal | Themes | Entity | Attribute | Primary Key | Keys | Definition | Icon | Panes | StatusBar | Shadows | Page Grid | Manage Windows | Cascade Windows | Horizontal Split | Vertical Split

Display Level | Window

Logical

Model Explorer

<model>

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  - Data Vault 2.0
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  - Themes
  - Validation Rules

Model | Subject Area

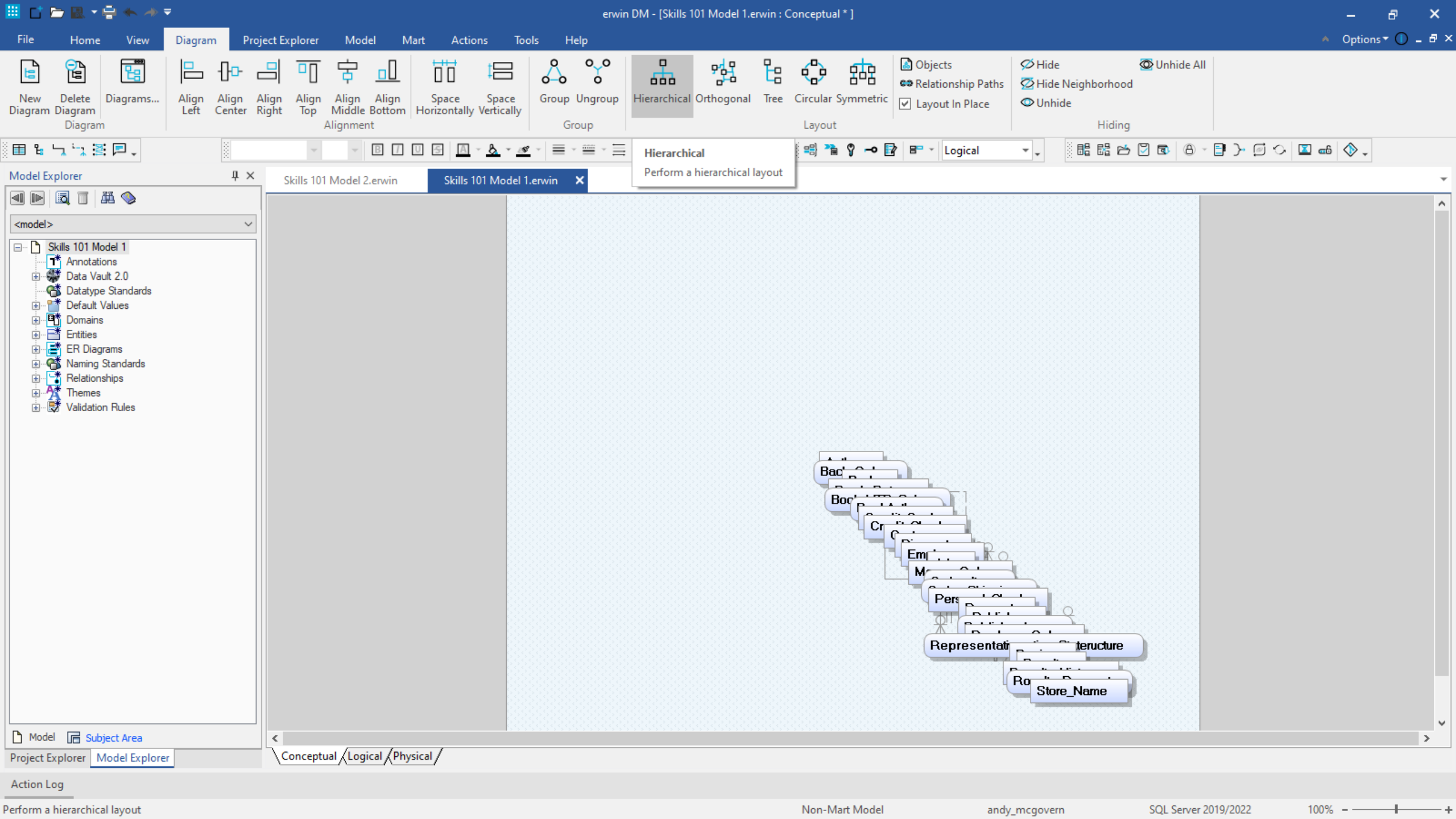
Project Explorer | Model Explorer

Skills 101 Model 2.erwin | Skills 101 Model 1.erwin

Store_Name

Conceptual | Logical | Physical

Action Log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andy_mcgovern
SQL Server 2019/2022
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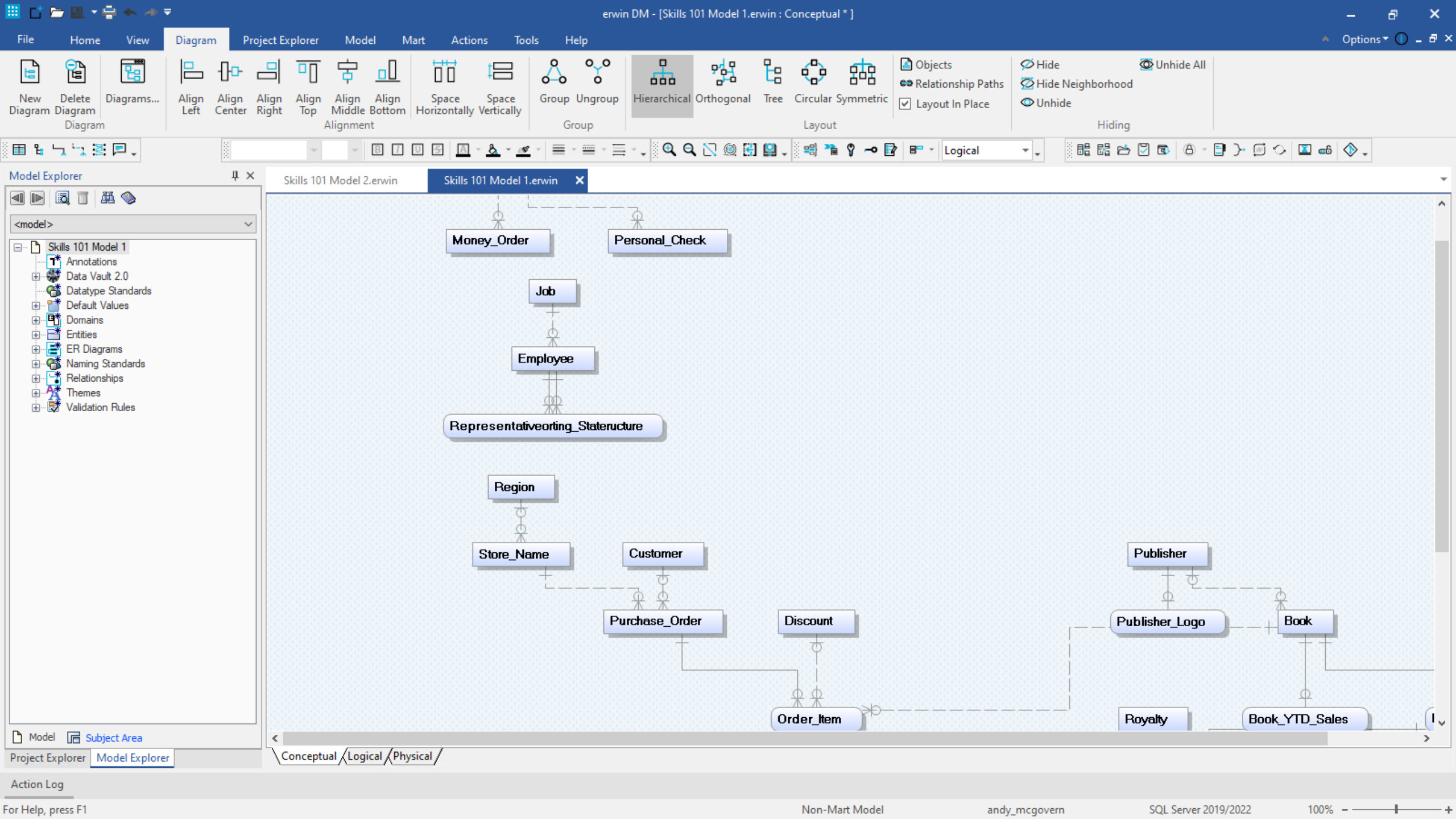
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Customer
Purchase_Order
Discount
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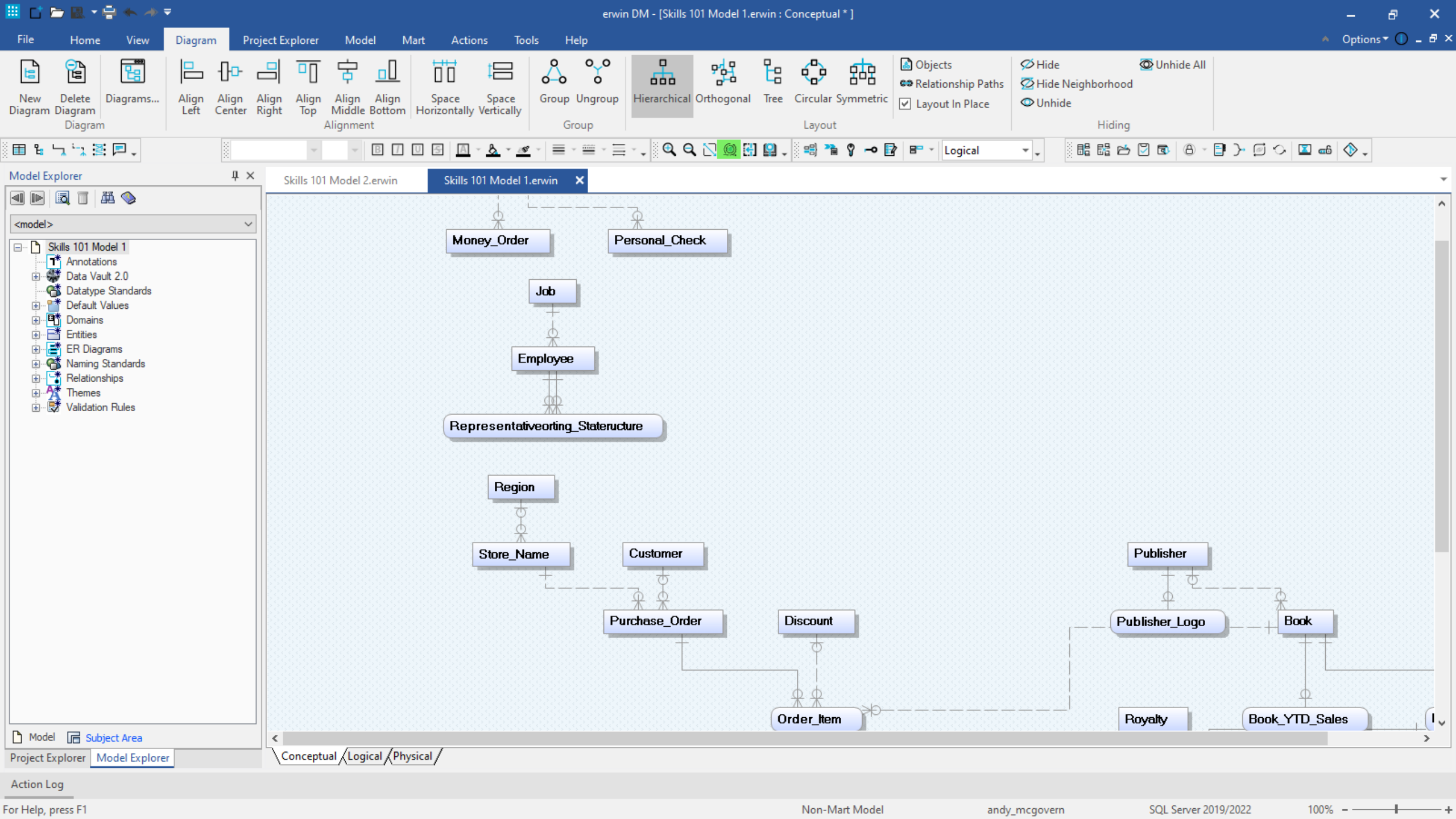
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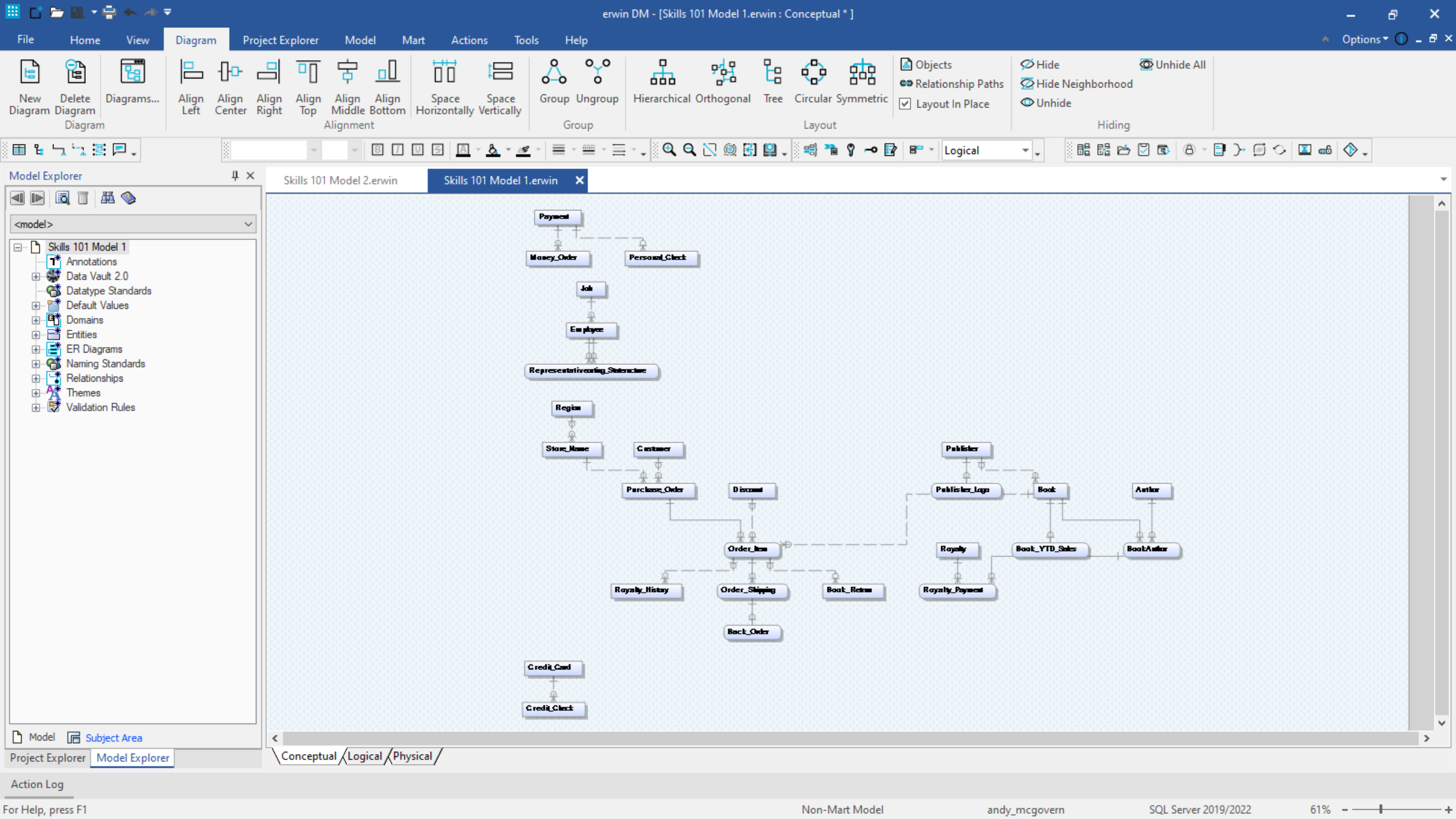
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Order_Shipping
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Publisher_Logo
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Royalty
Book_YTD_Sales
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Credit_Check
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Physical
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andy_mcgovern
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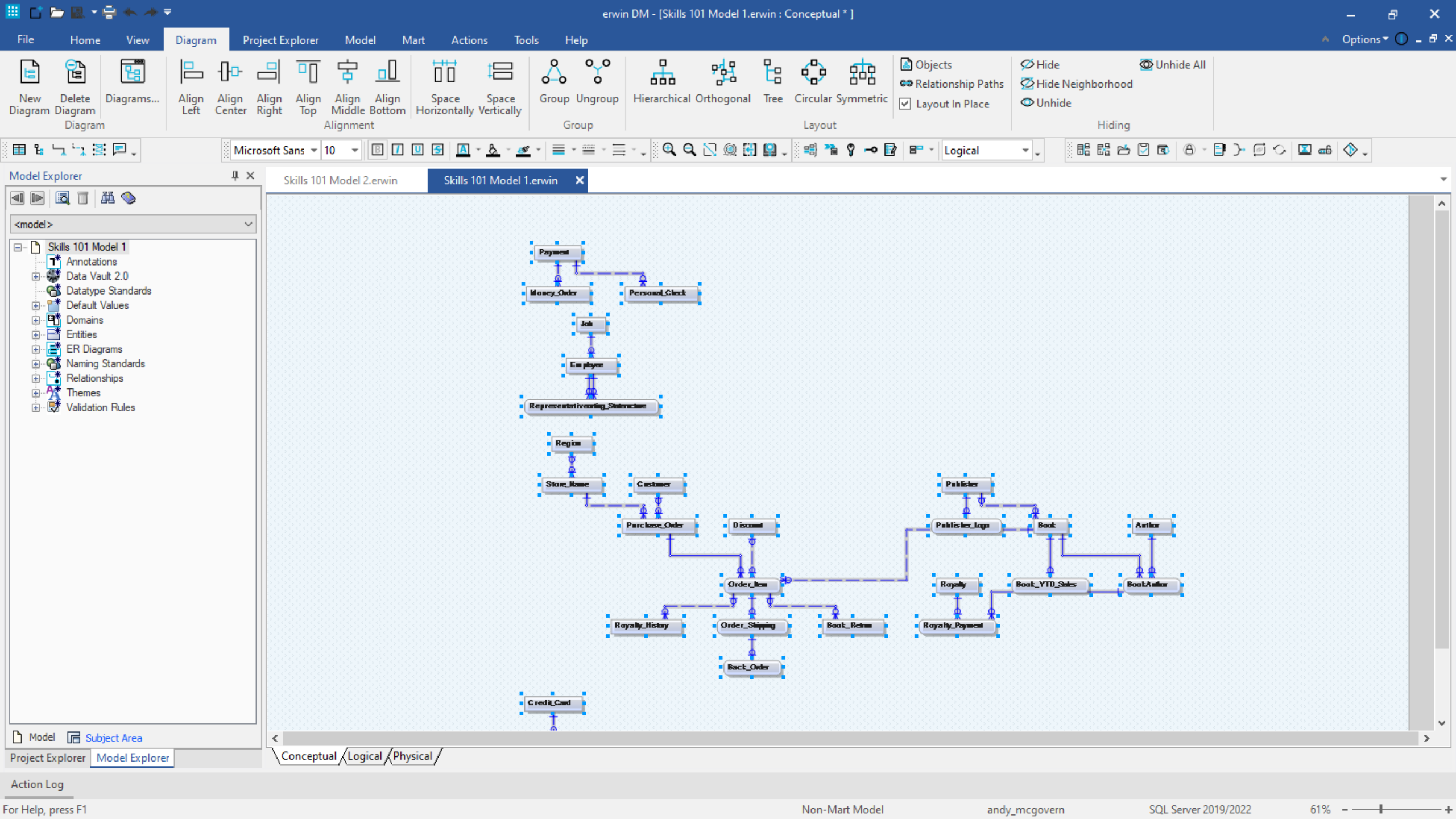
erwin DM - [Skills 101 Model 1.erwin : Conceptual * ]
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Order_Shipping
Book_Return
Back_Order
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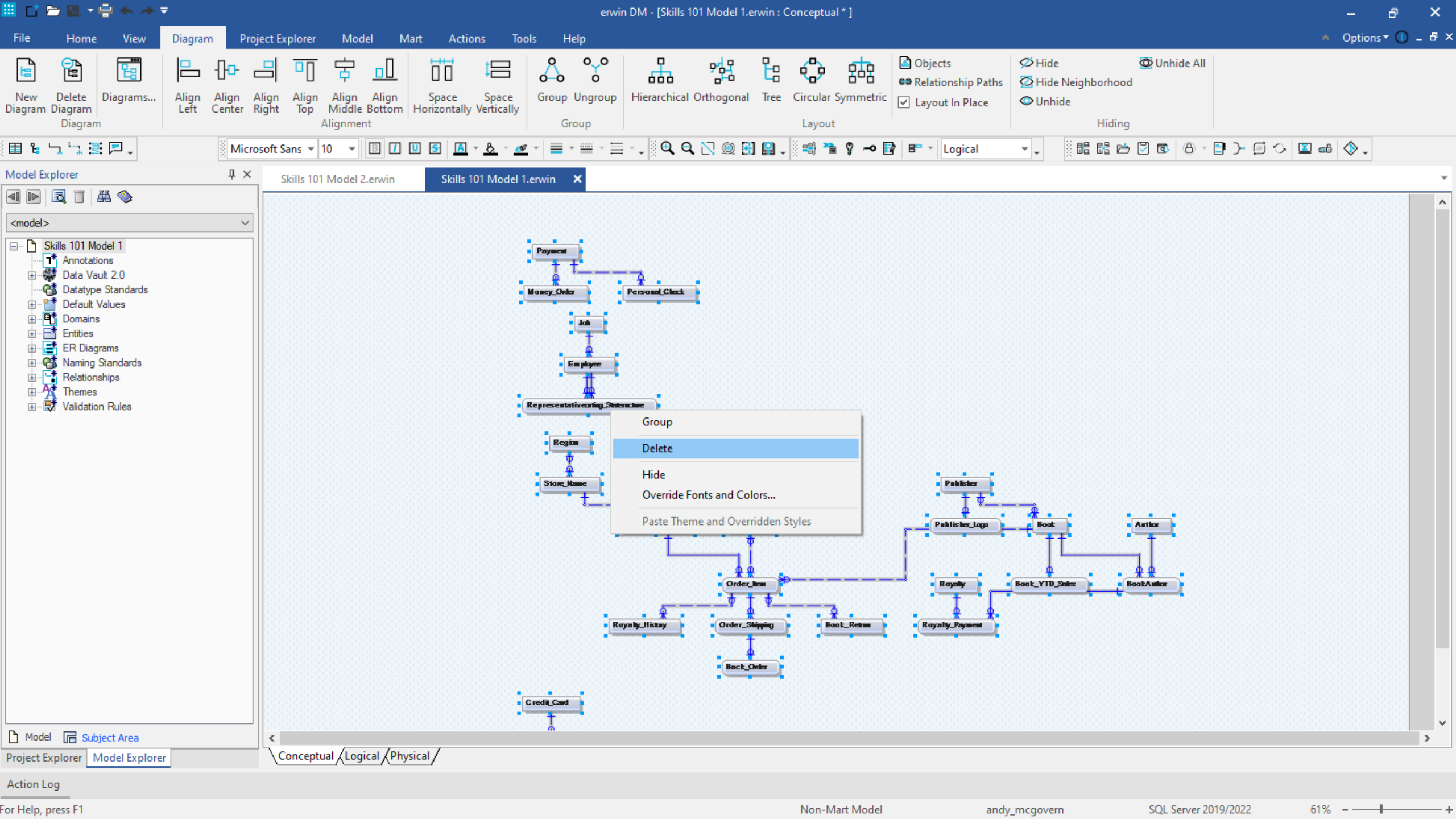
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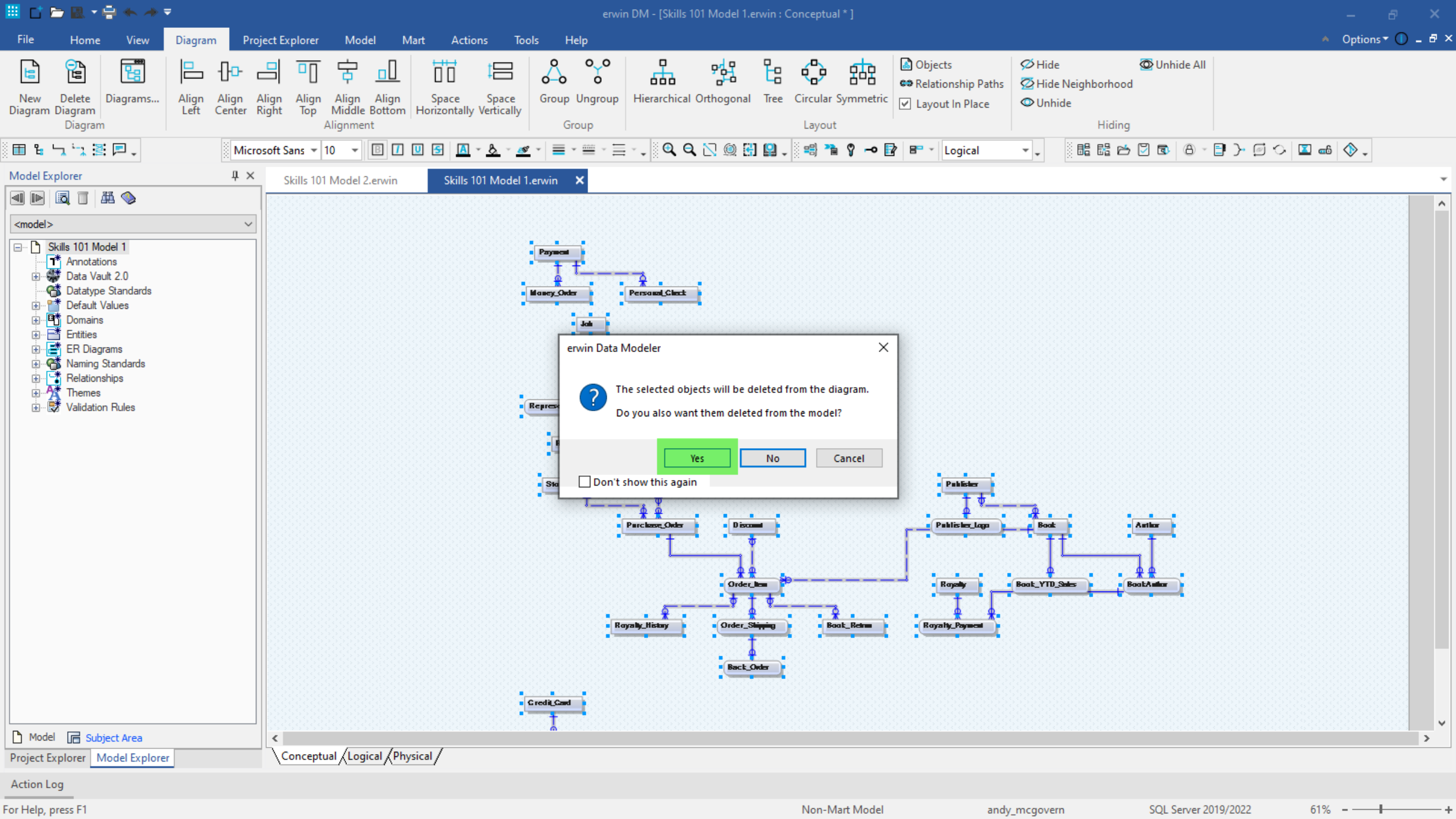
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Payment
Money_Order
Personal_Check
Job
erwin Data Modeler
The selected objects will be deleted from the diagram.
Do you also want them deleted from the model?
Yes
No
Cancel
Don't show this again
Purchase_Order
Discount
Order_Item
Royalty_History
Order_Shipping
Book_Return
Back_Order
Credit_Card
Publisher
Publisher_Logo
Book
Author
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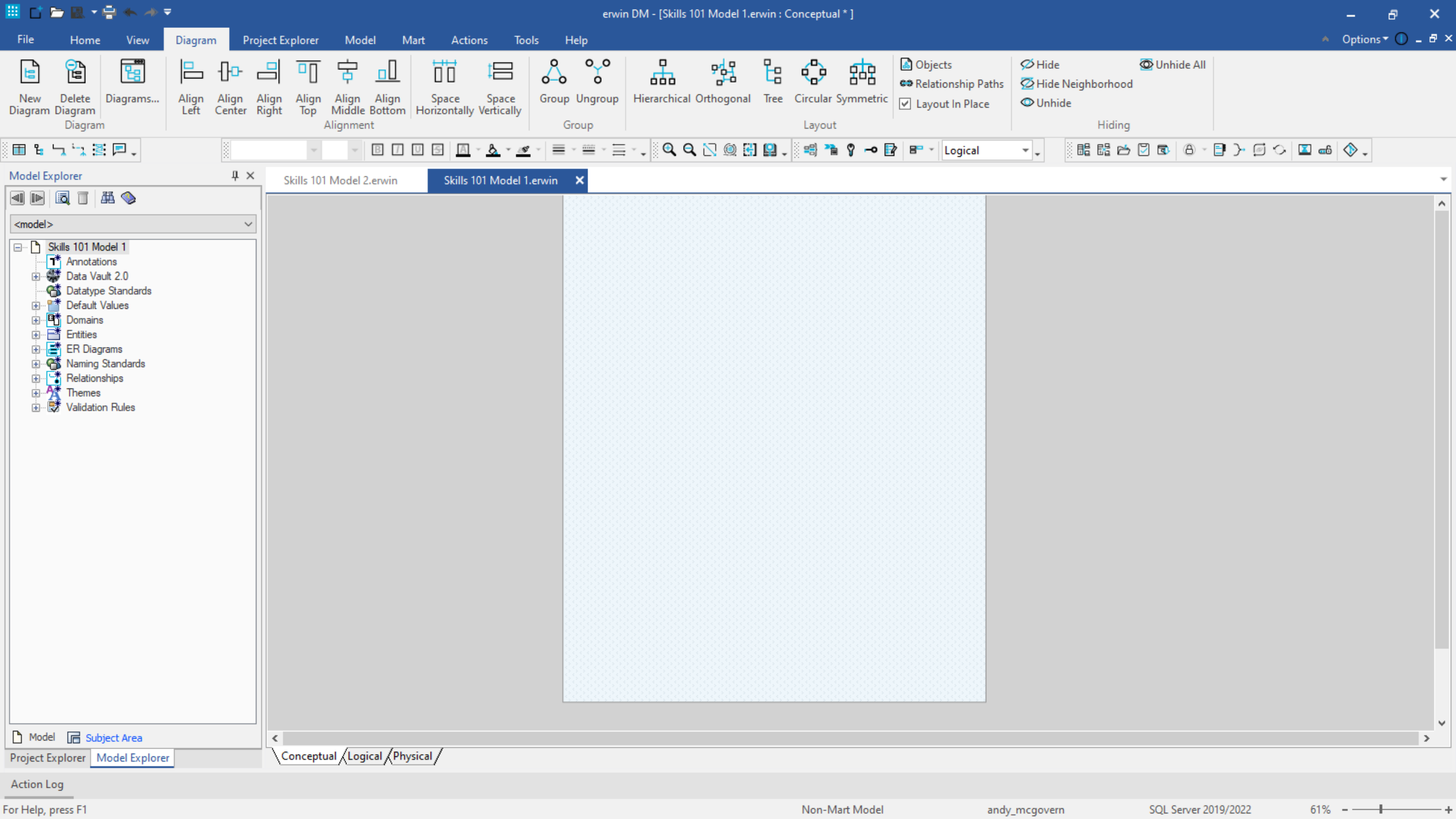
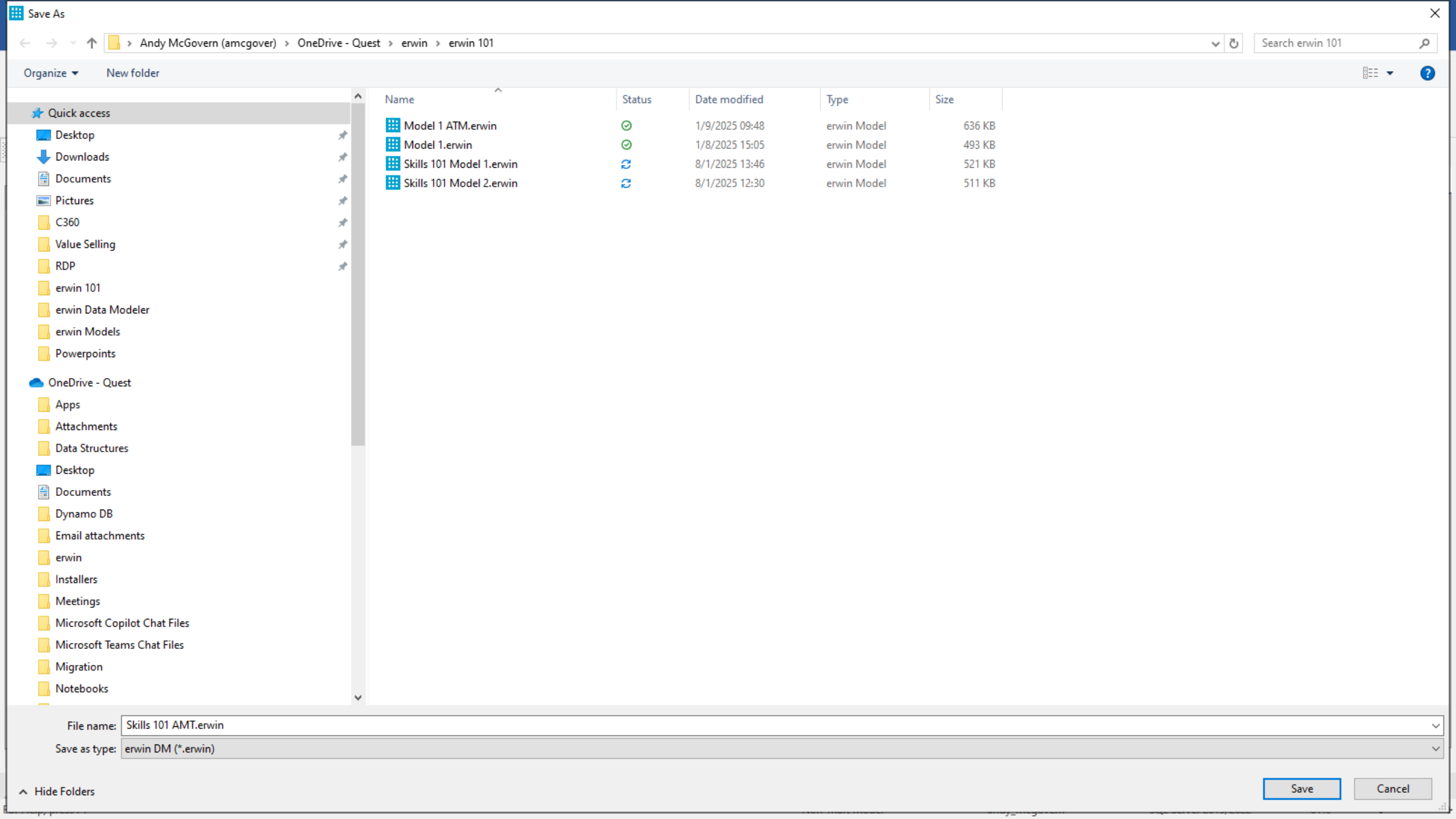
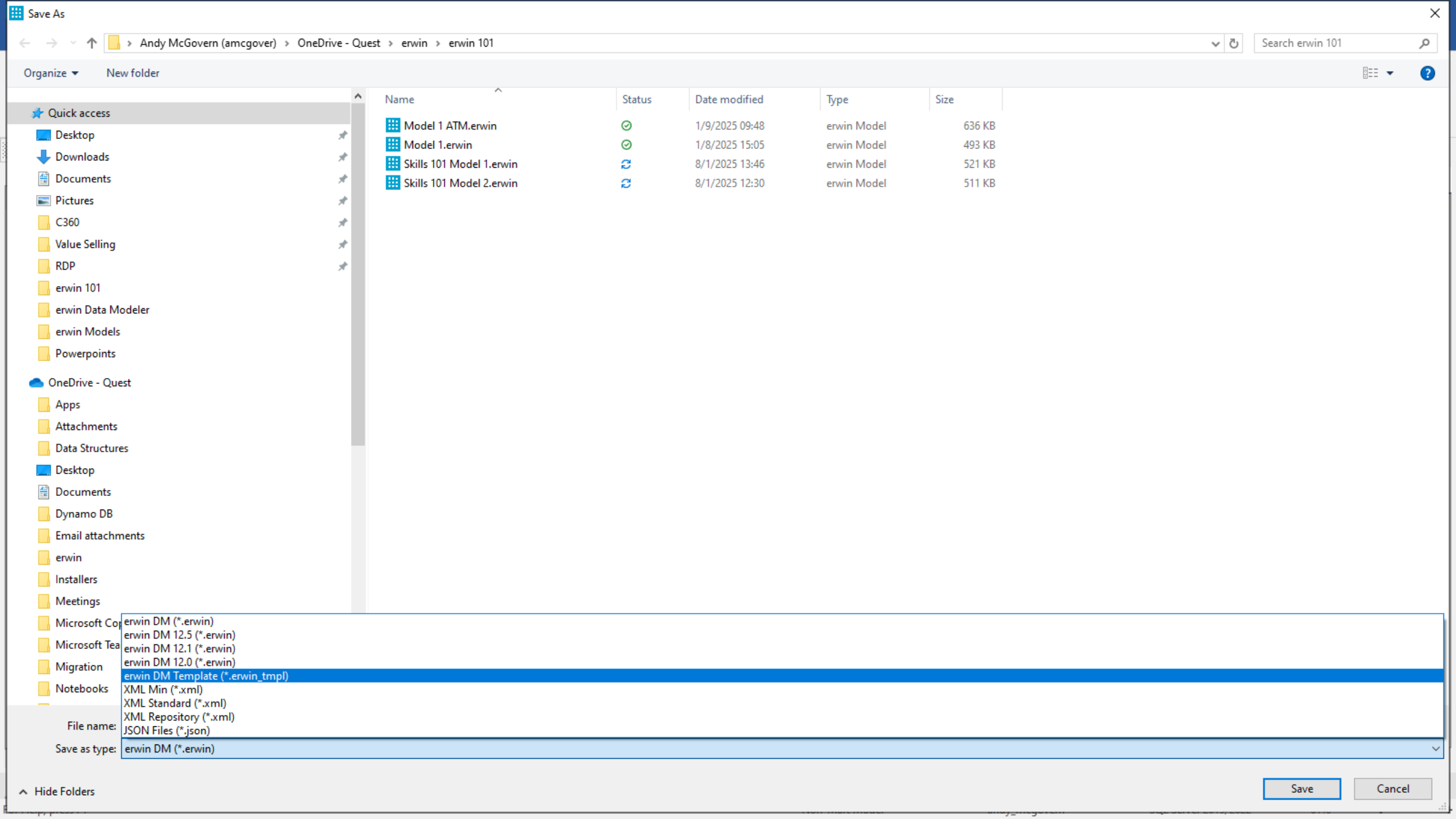

erwin DM - [Skills 101 Model 1.erwin : Conceptual * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
New Diagram
Delete Diagram
Diagrams...
Diagram
Align Left
Align Center
Align Right
Align Top
Align Middle
Align Bottom
Alignment
Space Horizontally
Space Vertically
Group
Ungroup
Group
Hierarchical
Orthogonal
Tree
Circular
Symmetric
Objects
Relationship Paths
Layout In Place
Layout
Hide
Hide Neighborhood
Unhide
Unhide All
Hiding
Logical
Model Explorer
<model>
Skills 101 Model 1
Annotations
Data Vault 2.0
Datatype Standards
Default Values
Domains
Entities
ER Diagrams
Naming Standards
Relationships
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Skills 101 Model 2.erwin
Skills 101 Model 1.erwin
Conceptual
Logical
Physical
Action Log
For Help, press F1
Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
61%


Save As
Andy McGovern (amcgover) › OneDrive - Quest › erwin › erwin 101
Search erwin 101
Organize
New folder
Quick access
Desktop
Downloads
Documents
Pictures
C360
Value Selling
RDP
erwin 101
erwin Data Modeler
erwin Models
Powerpoints
OneDrive - Quest
Apps
Attachments
Data Structures
Desktop
Documents
Dynamo DB
Email attachments
erwin
Installers
Meetings
Microsoft Copilot Chat Files
Microsoft Teams Chat Files
Migration
Notebooks
Name
Status
Date modified
Type
Size
Model 1 ATM.erwin 1/9/2025 09:48 erwin Model 636 KB
Model 1.erwin 1/8/2025 15:05 erwin Model 493 KB
Skills 101 Model 1.erwin 8/1/2025 13:46 erwin Model 521 KB
Skills 101 Model 2.erwin 8/1/2025 12:30 erwin Model 511 KB
File name: Skills 101 AMT.erwin
Save as type: erwin DM (*.erwin)
Hide Folders
Save
Cancel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Andy McGovern (amcgover) › OneDrive - Quest › erwin › erwin 101
Search erwin 101
Organize
New folder
Quick access
Desktop
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Documents
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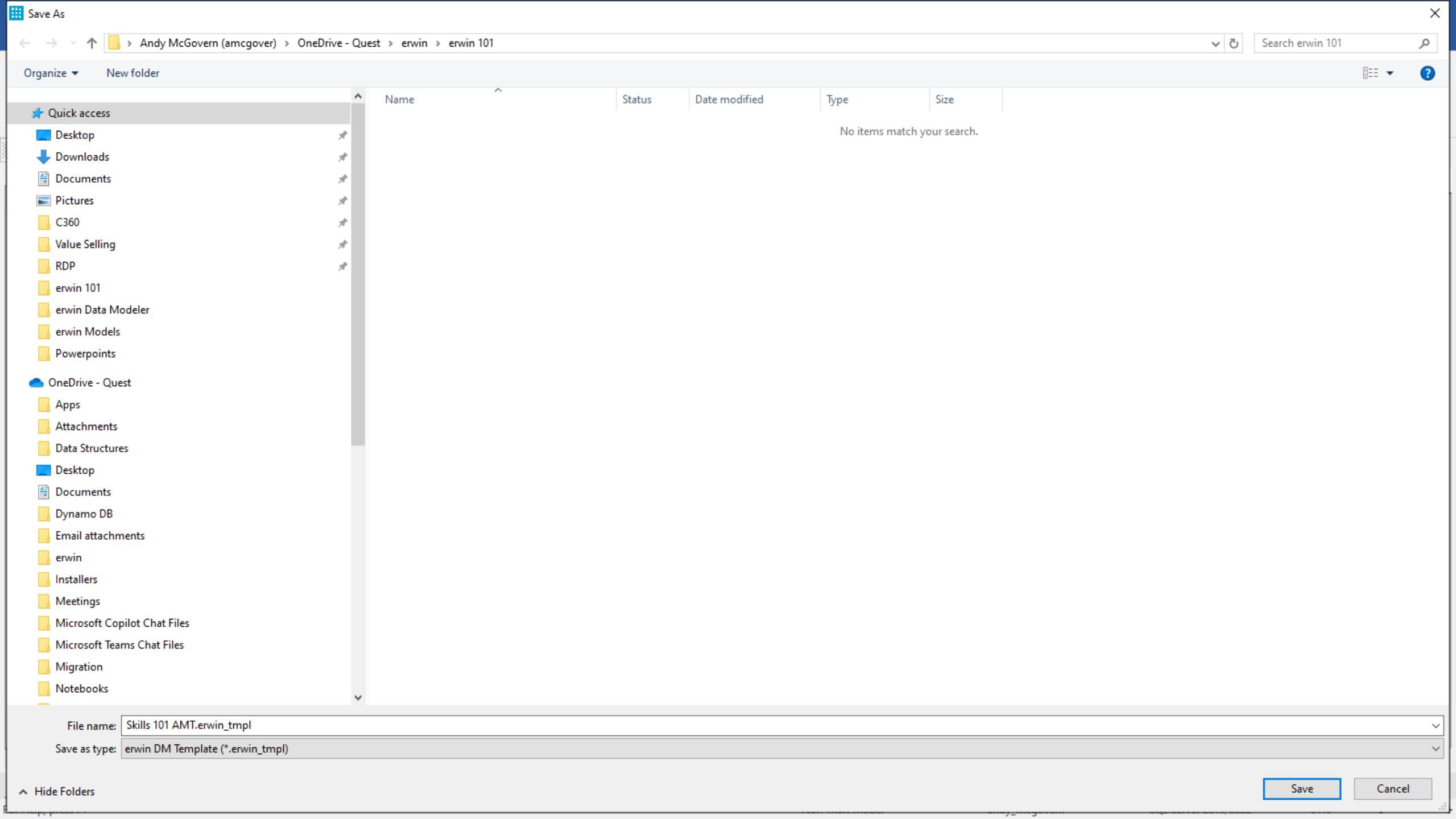
Model 1 ATM.erwin 1/9/2025 09:48 erwin Model 636 KB
Model 1.erwin 1/8/2025 15:05 erwin Model 493 KB
Skills 101 Model 1.erwin 8/1/2025 13:46 erwin Model 521 KB
Skills 101 Model 2.erwin 8/1/2025 12:30 erwin Model 511 KB
erwin DM (*.erwin)
erwin DM 12.5 (*.erwin)
erwin DM 12.1 (*.erwin)
erwin DM 12.0 (*.erwin)
erwin DM Template (*.erwin_tmpl)
XML Min (*.xml)
XML Standard (*.xml)
XML Repository (*.xml)
JSON Files (*.json)
File name:
Save as type: erwin DM (*.erwin)
Hide Folders
Save
Cancel


Save As
Andy McGovern (amcgover) › OneDrive - Quest › erwin › erwin 101
Search erwin 101
Organize
New folder
Quick access
Desktop
Downloads
Documents
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C360
Value Selling
RDP
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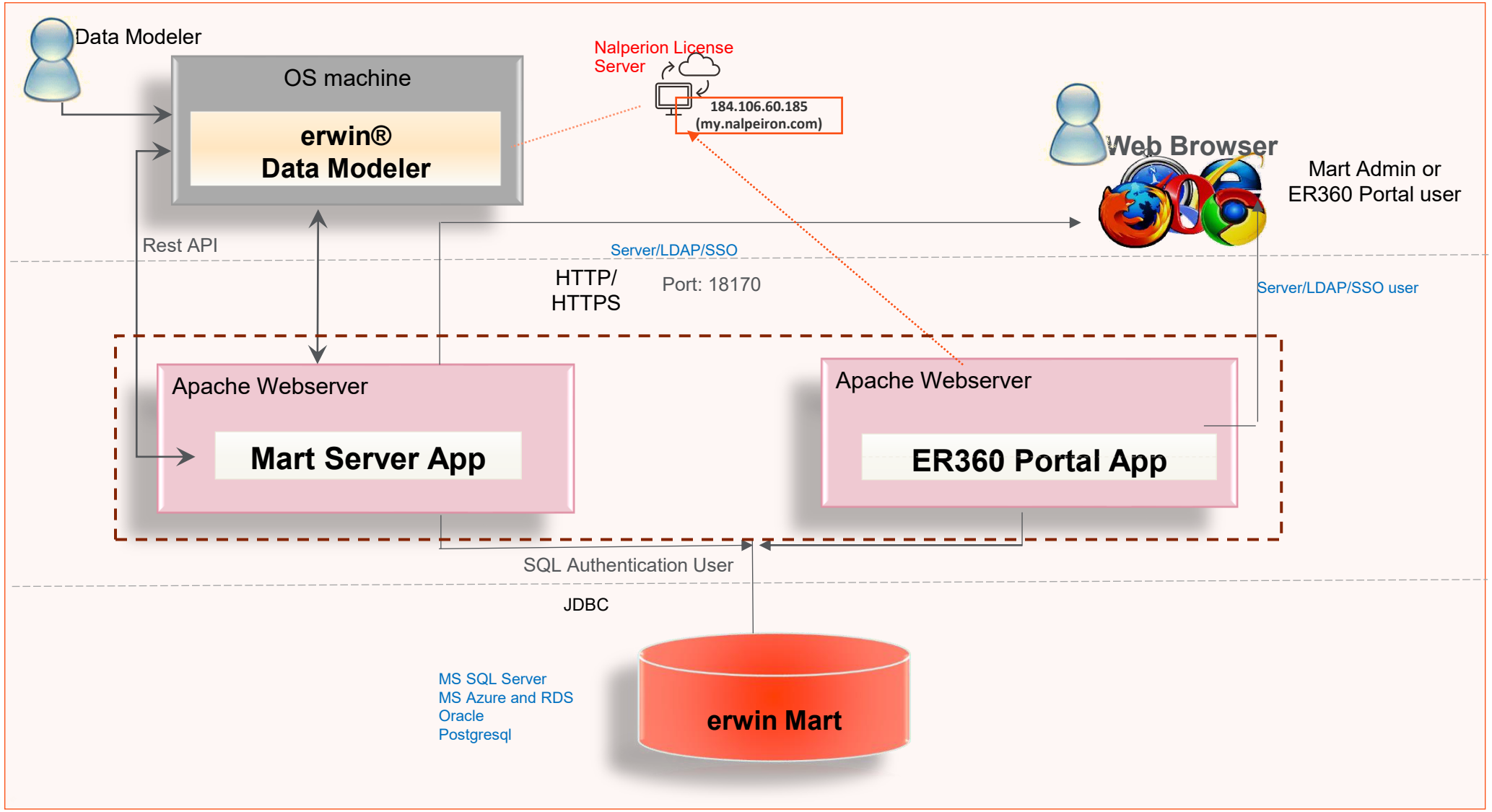
erwin Models
Powerpoints
OneDrive - Quest
Apps
Attachments
Data Structures
Desktop
Documents
Dynamo DB
Email attachments
erwin
Installers
Meetings
Microsoft Copilot Chat Files
Microsoft Teams Chat Files
Migration
Notebooks
Name
Status
Date modified
Type
Size
No items match your search.
File name: Skills 101 AMT.erwin_tmpl
Save as type: erwin DM Template (*.erwin_tmpl)
Hide Folders
Save
Cancel

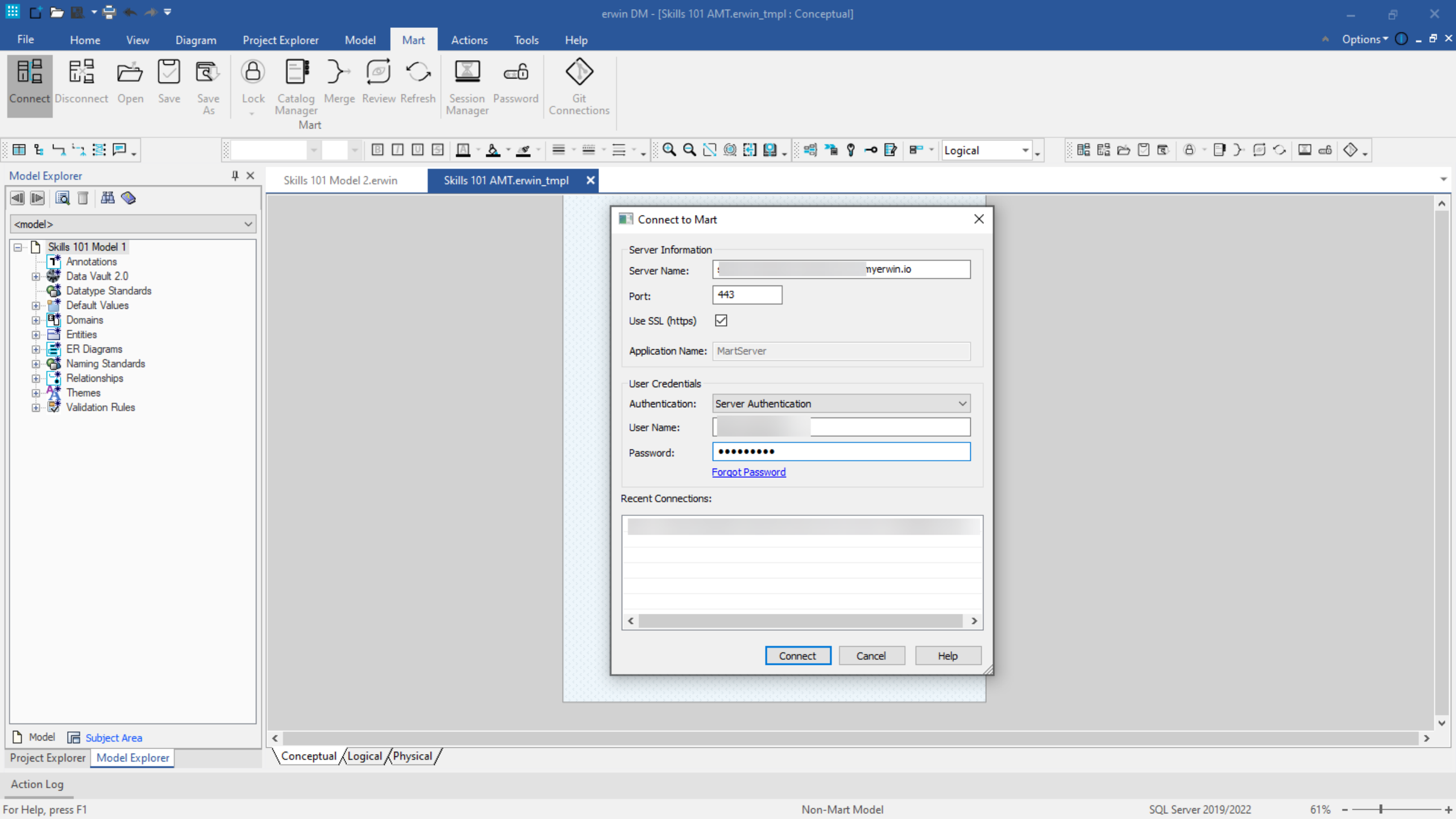
# Workgroup Edition

# erwin DM Modeling Architecture (Solution)






Where Next Meets Now.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File
Home
View
Diagram
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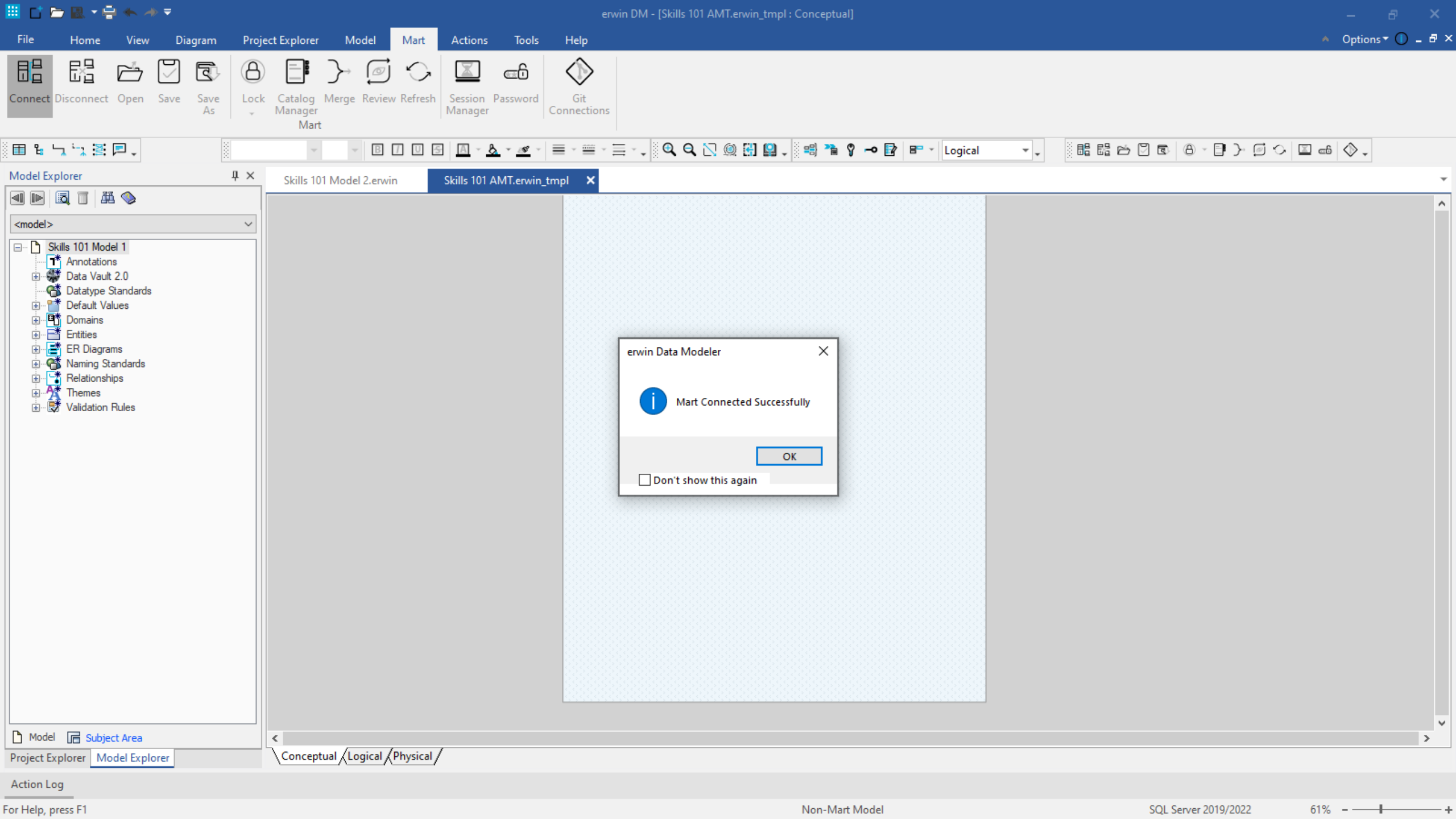
Model
Mart
Actions
Tools
Help
Options
Connect
Disconnect
Open
Save
Save As
Lock
Catalog Manager
Merge
Review
Refresh
Session Manager
Password
Git Connections
Mart
Logical
Model Explorer
<model>
Skills 101 Model 1
Annotations
Data Vault 2.0
Datatype Standards
Default Values
Domains
Entities
ER Diagrams
Naming Standards
Relationships
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Skills 101 Model 2.erwin
Skills 101 AMT.erwin_tmpl
Connect to Mart
Server Information
Server Name:
nyerwin.io
Port:
443
Use SSL (https)
Application Name:
MartServer
User Credentials
Authentication:
Server Authentication
User Name:
Password:
Forgot Password
Recent Connections:
Connect
Cancel
Help
Conceptual
Logical
Physical
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
61%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Session Manager
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Naming Standards
Relationships
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Skills 101 Model 2.erwin
Skills 101 AMT.erwin_tmpl
erwin Data Modeler
Mart Connected Successfully
OK
Don't show this again
Conceptual
Logical
Physical
Action Log
For Help, press F1
Non-Mart Model
SQL Server 2019/2022
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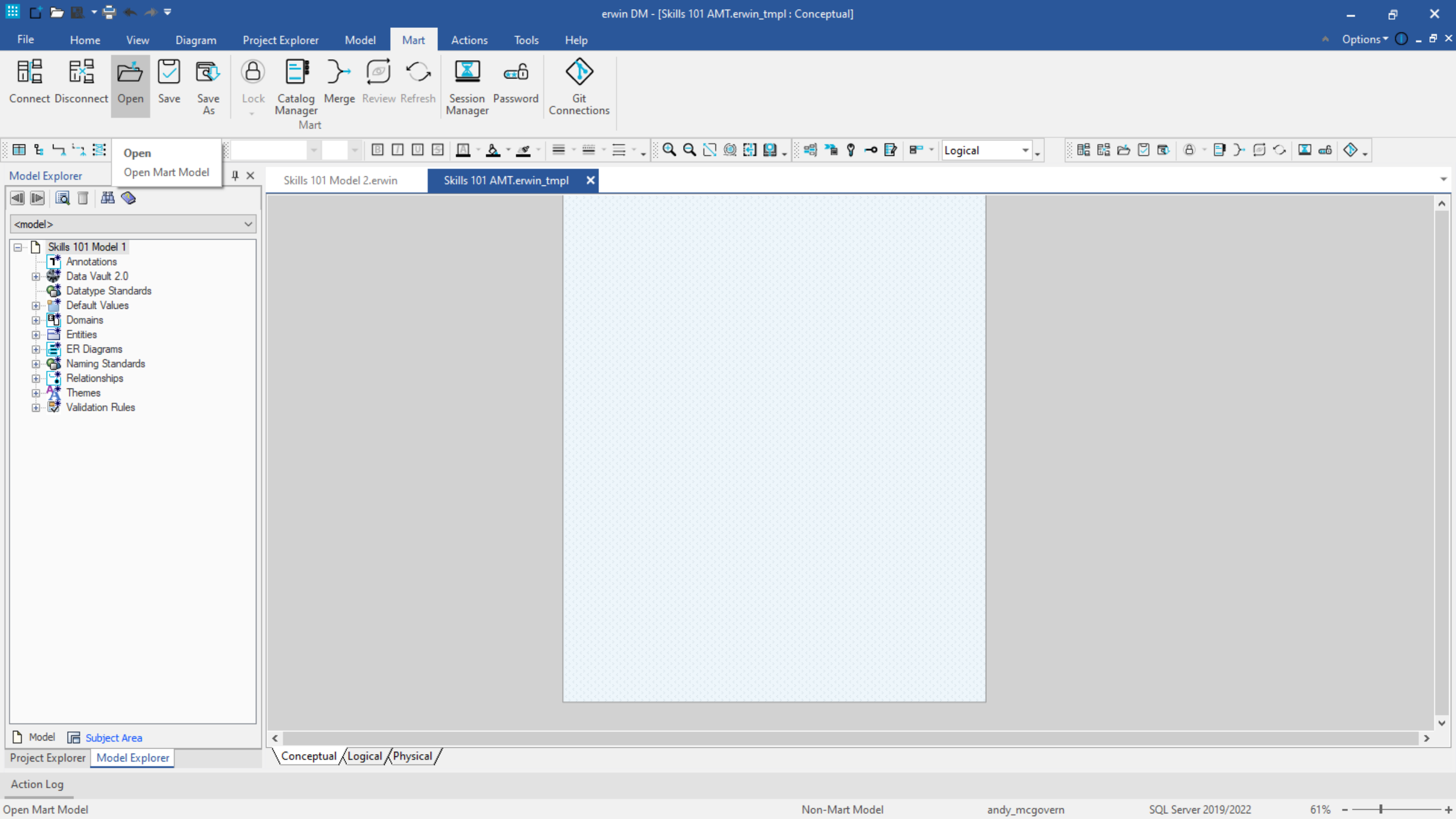
erwin DM - [Skills 101 AMT.erwin_tmpl : Conceptual]
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Diagram
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Help
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Connect
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Open
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Save As
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Password
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Open Mart Model
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Model Explorer
Skills 101 Model 2.erwin
Skills 101 AMT.erwin_tmpl
<model>
Skills 101 Model 1
Annotations
Data Vault 2.0
Datatype Standards
Default Values
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Naming Standards
Relationships
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Subject Area
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Model Explorer
Conceptual
Logical
Physical
Action Log
Open Mart Model
Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
61%

Connect Disconnect Open Save Save As Lock Catalog Manager Merge Review Refresh Session Manager Password Git Connections

Mart

Physical

Model Explorer

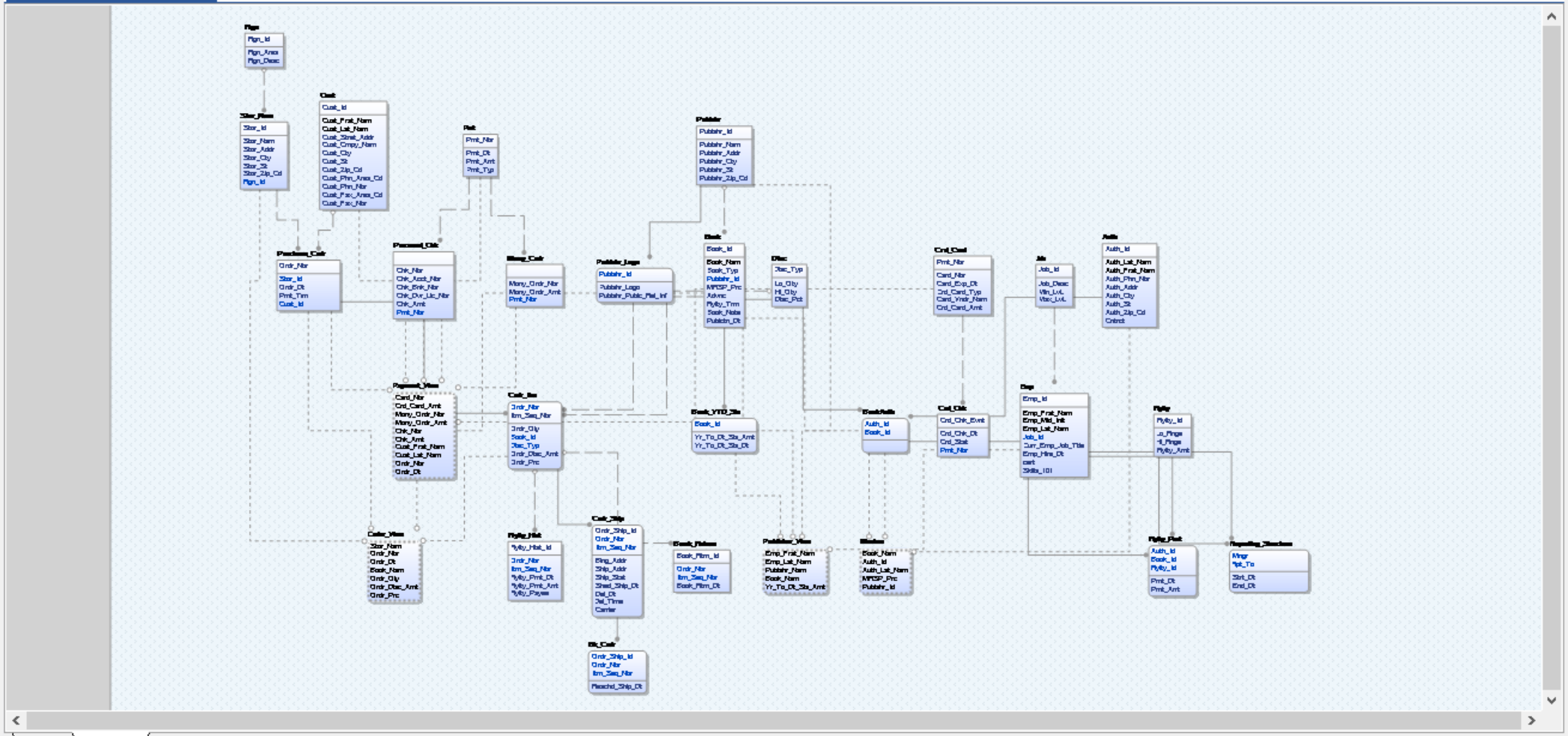
<model>

- Skills 101 Model 2
  - Aggregates
  - Always Encrypted Keys
  - Annotations
  - Application Roles
  - Assemblies
  - Asymmetric Keys
  - Certificates
  - Credentials
  - Cryptographic Providers
  - Data Movement Rules
  - Data Movement Sources
  - Data Vault 2.0
  - Database Audit Specifications
  - Database Encryption Keys
  - Database Roles
  - Databases
  - Datatype Standards
  - Default Values
  - Domains
  - ER Diagrams
  - External Data Sources
  - External File Formats
  - External Languages
  - External Libraries
  - Files
  - Fulltext Catalogs
  - Fulltext Stoplists
  - Functions
  - Logins
  - Naming Standards
  - Partition Functions
  - Partition Schemes

Model Subject Area

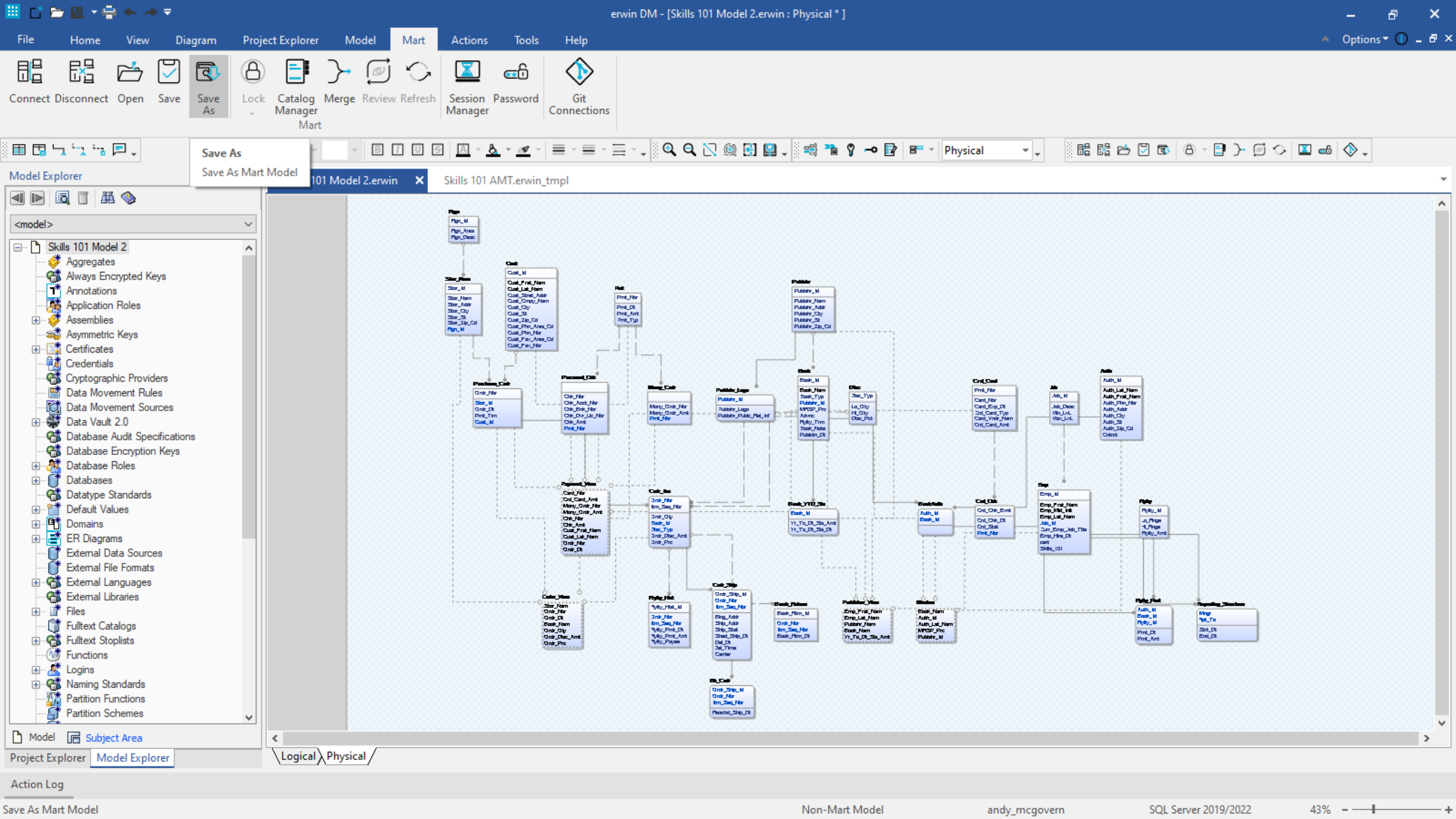
Project Explorer Model Explorer

Skills 101 Model 2.erwin Skills 101 AMT.erwin_tmpl



Logical Physical

Action Log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File
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Tools
Help
Options
Connect
Disconnect
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Save
Save As
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Catalog Manager
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Refresh
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Password
Git Connections
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Save As
Save As Mart Model
Physical
Model Explorer
101 Model 2.erwin
Skills 101 AMT.erwin_tmpl
<model>
Skills 101 Model 2
Aggregates
Always Encrypted Keys
Annotations
Application Roles
Assemblies
Asymmetric Keys
Certificates
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Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
Database Roles
Databases
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Default Values
Domains
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External Data Sources
External File Formats
External Languages
External Libraries
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Fulltext Stoplists
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Logins
Naming Standards
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Save As Mart Model
Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
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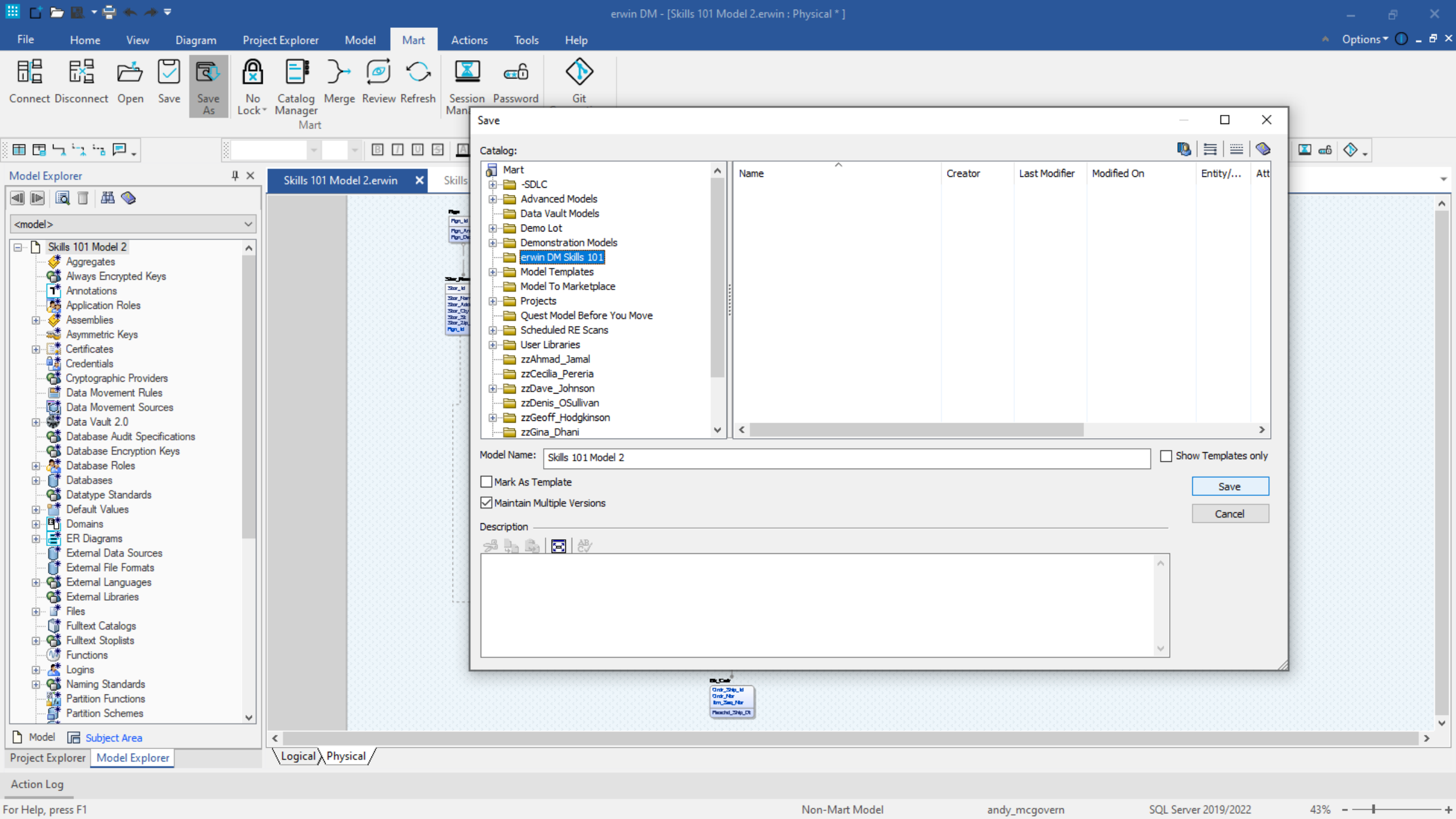
erwin DM - [Skills 101 Model 2.erwin : Physical * ]
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Naming Standards
Partition Functions
Partition Schemes
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Project Explorer
Model Explorer
Skills 101 Model 2.erwin
Skills
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Physical
Action Log
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Catalog:
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-SDLC
Advanced Models
Data Vault Models
Demo Lot
Demonstration Models
erwin DM Skills 101
Model Templates
Model To Marketplace
Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
zzGina_Dhani
Name
Creator
Last Modifier
Modified On
Entity/...
Att
Model Name:
Skills 101 Model 2
Show Templates only
Mark As Template
Maintain Multiple Versions
Save
Cancel
Description
For Help, press F1
Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
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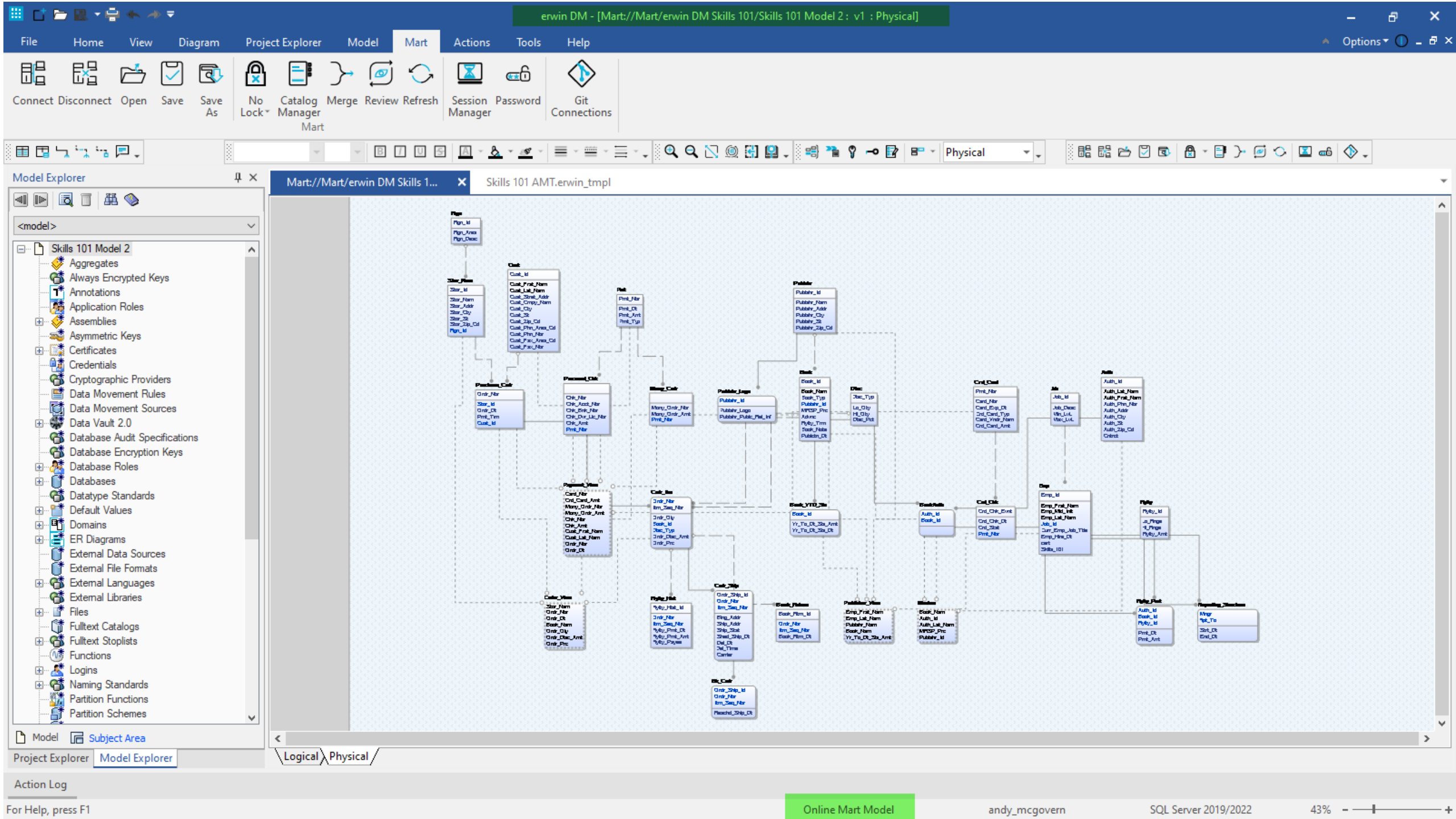
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Data Movement Sources
Data Vault 2.0
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Model Explorer
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Action Log
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Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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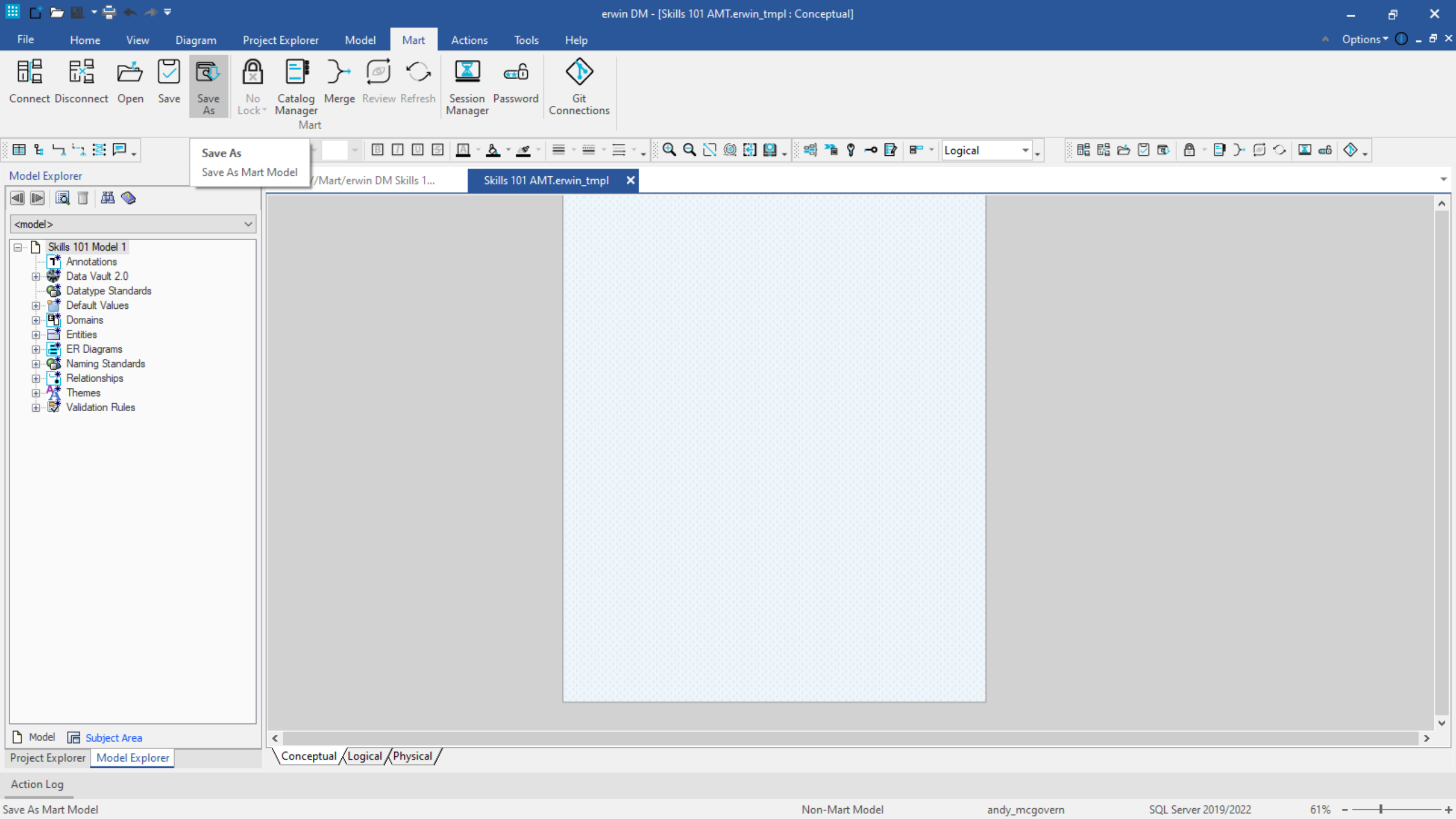
erwin DM - [Skills 101 AMT.erwin_tmpl : Conceptual]
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Connect
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Skills 101 AMT.erwin_tmpl
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Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
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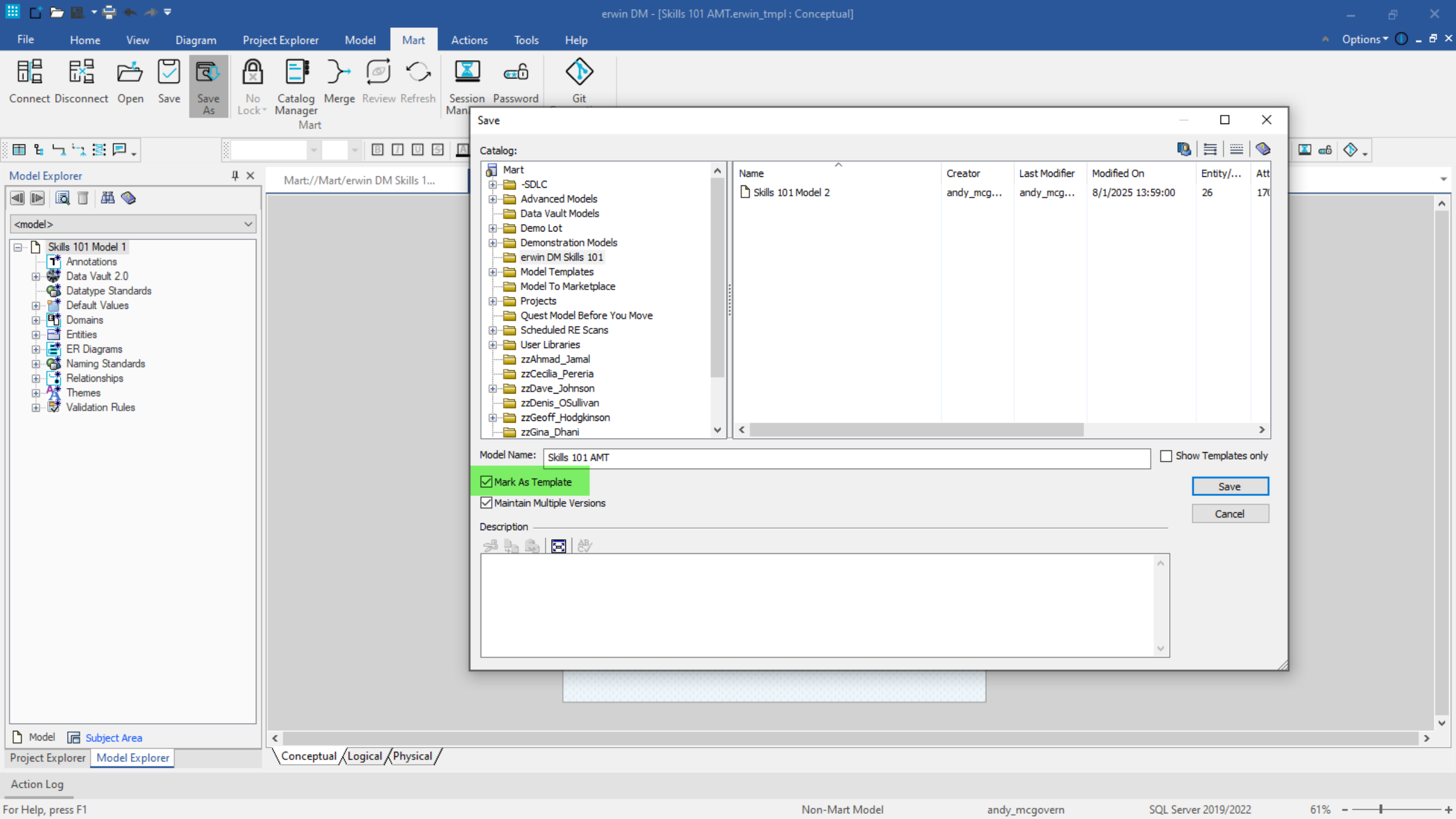
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Advanced Models
Data Vault Models
Demo Lot
Demonstration Models
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Model Templates
Model To Marketplace
Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
zzGina_Dhani
Name
Creator
Last Modifier
Modified On
Entity/...
Skills 101 Model 2
andy_mcg...
andy_mcg...
8/1/2025 13:59:00
26
Model Name:
Skills 101 AMT
Show Templates only
Mark As Template
Maintain Multiple Versions
Save
Cancel
Description
For Help, press F1
Non-Mart Model
andy_mcgovern
SQL Server 2019/2022
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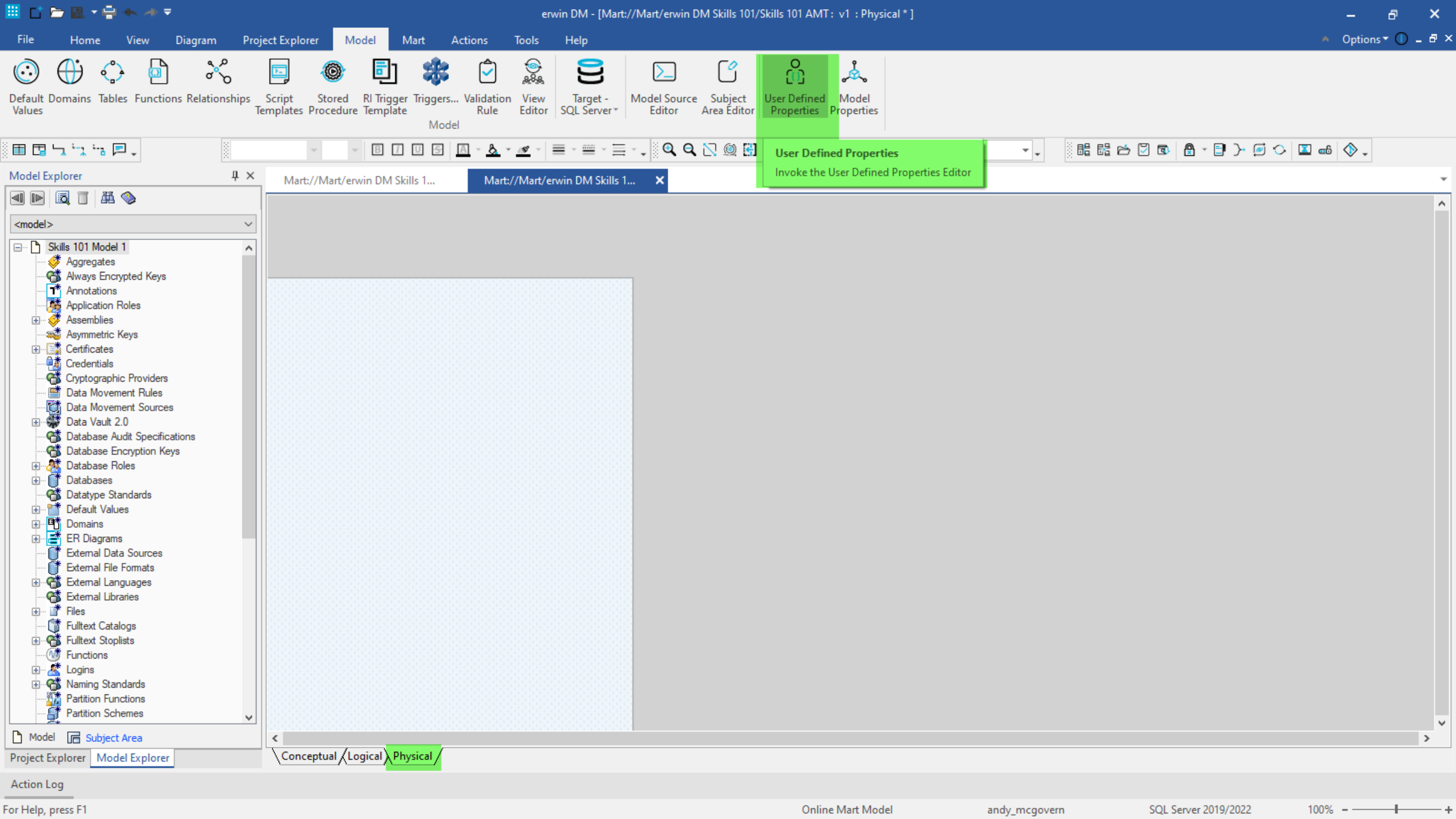
erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 AMT : v1 : Physical * ]
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Relationships
Script Templates
Stored Procedure
RI Trigger Template
Triggers...
Validation Rule
View Editor
Target - SQL Server
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Subject Area Editor
User Defined Properties
Model Properties
User Defined Properties
Invoke the User Defined Properties Editor
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Asymmetric Keys
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Credentials
Cryptographic Providers
Data Movement Rules
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External Libraries
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Fulltext Stoplists
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Logins
Naming Standards
Partition Functions
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Model Explorer
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Action Log
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andy_mcgovern
SQL Server 2019/2022
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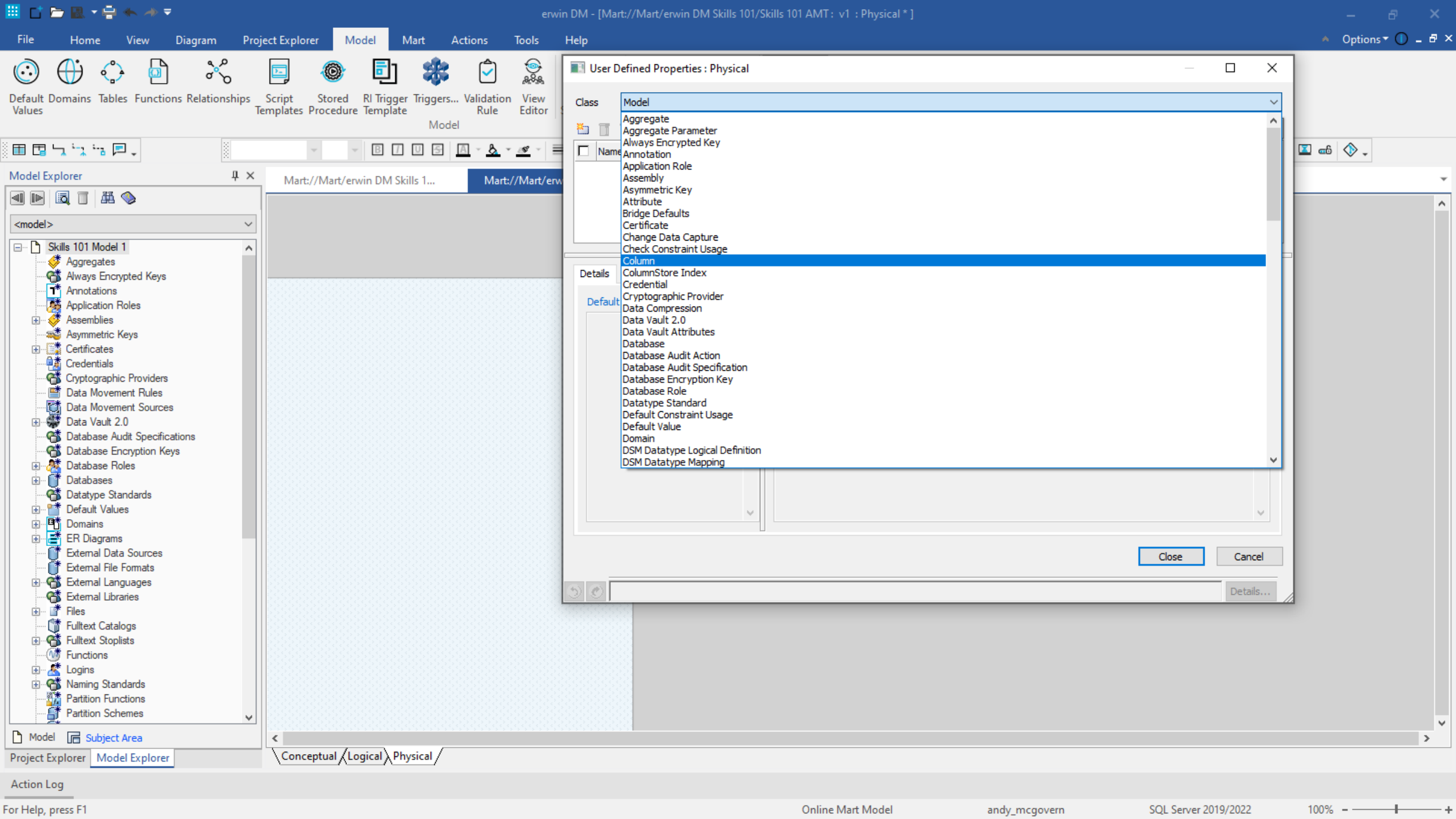
erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 AMT : v1 : Physical * ]
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For Help, press F1
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andy_mcgovern
SQL Server 2019/2022
100%
User Defined Properties : Physical
Class
Model
Aggregate
Aggregate Parameter
Always Encrypted Key
Annotation
Application Role
Assembly
Asymmetric Key
Attribute
Bridge Defaults
Certificate
Change Data Capture
Check Constraint Usage
Column
ColumnStore Index
Credential
Cryptographic Provider
Data Compression
Data Vault 2.0
Data Vault Attributes
Database
Database Audit Action
Database Audit Specification
Database Encryption Key
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DSM Datatype Logical Definition
DSM Datatype Mapping
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Default
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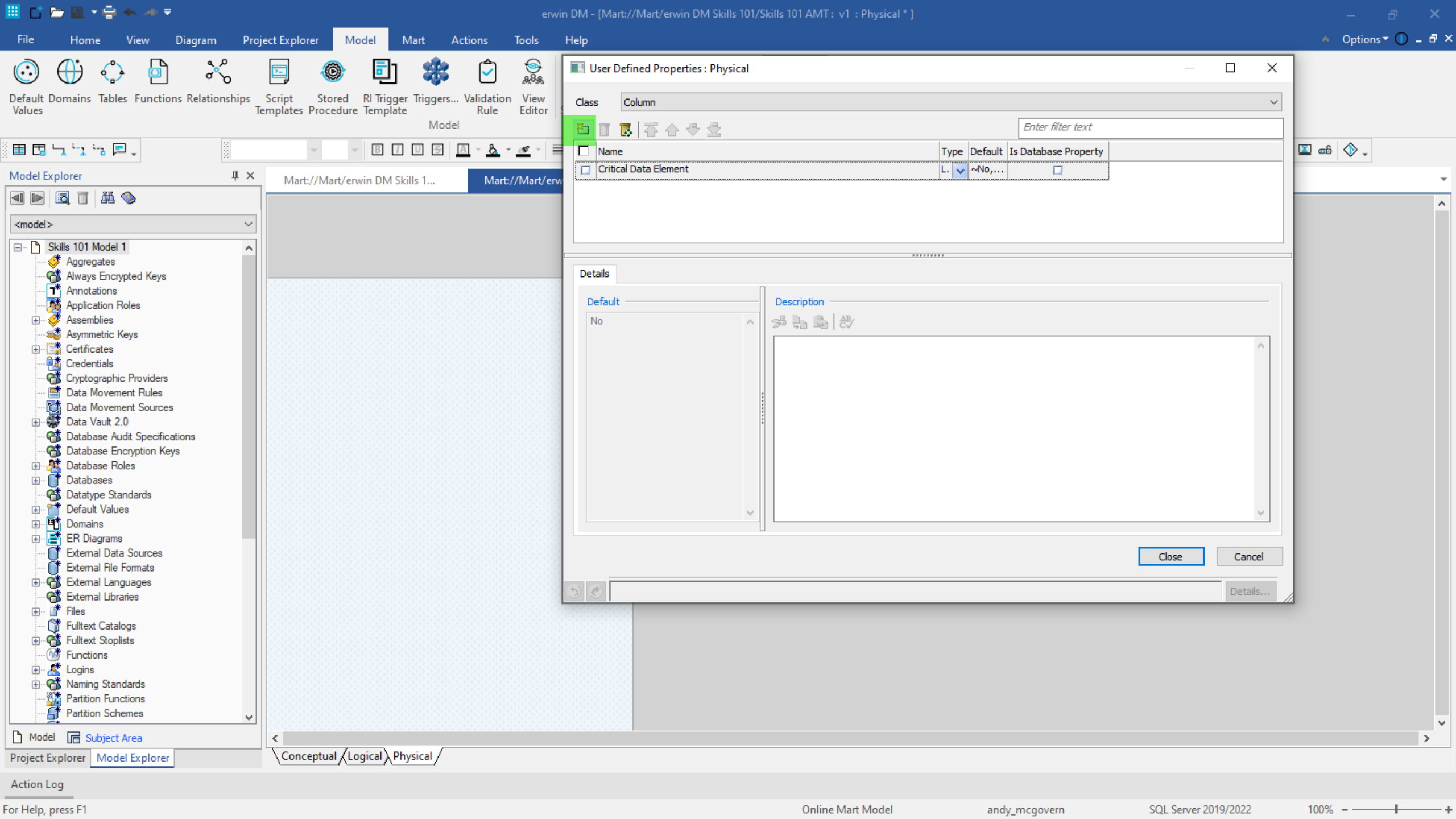
Cancel
Details...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RI Trigger Template
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<model>
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External Languages
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Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Naming Standards
Partition Functions
Partition Schemes
Model
Subject Area
Project Explorer
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Mart://Mart/erwin DM Skills 1...
Mart://Mart/erw
Conceptual
Logical
Physical
Action Log
User Defined Properties : Physical
Class
Column
Enter filter text
Name
Type
Default
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Critical Data Element
L.
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Description
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For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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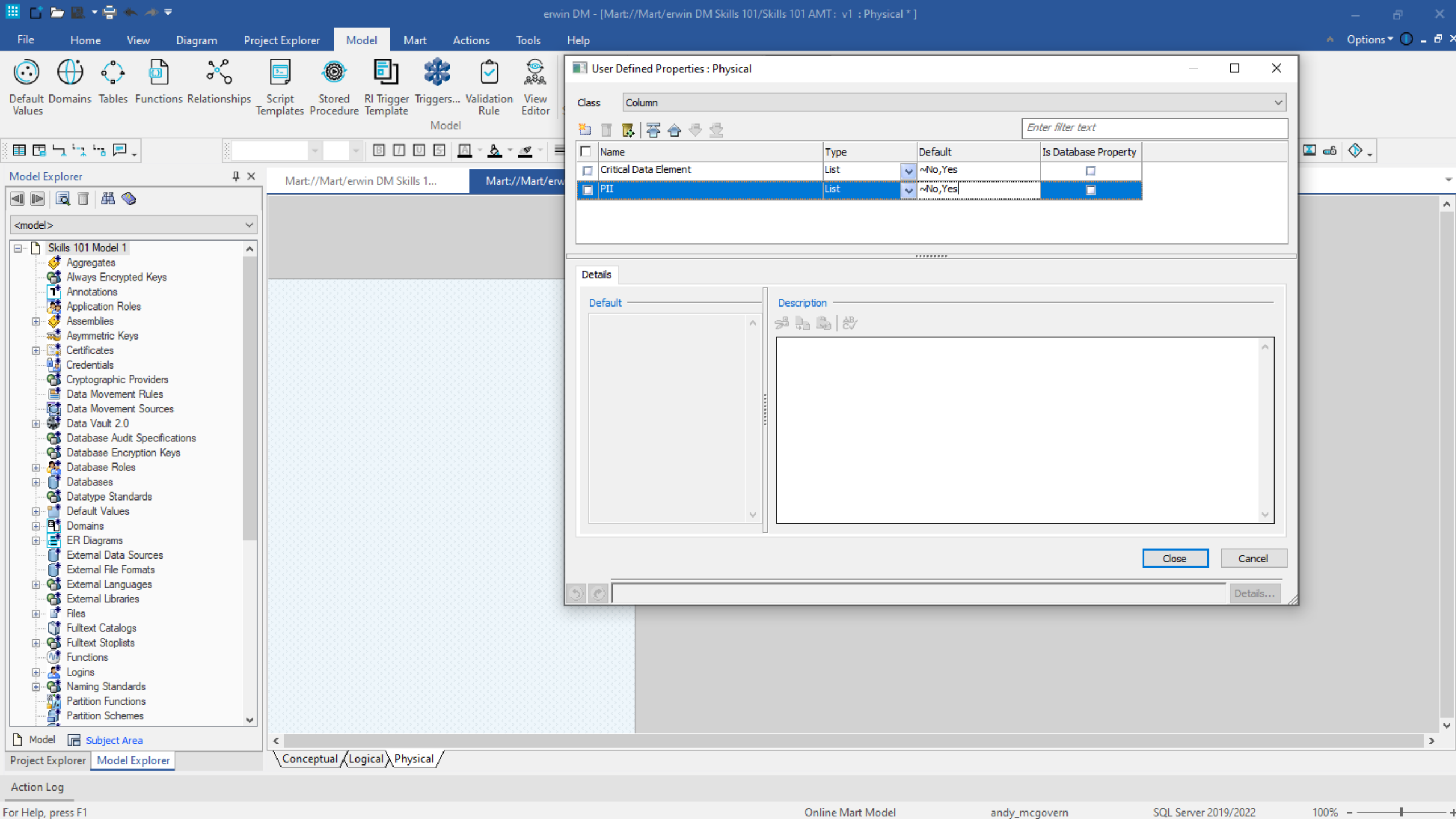
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RI Trigger Template
Triggers...
Validation Rule
View Editor
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<model>
Skills 101 Model 1
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Application Roles
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Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
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Datatype Standards
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andy_mcgovern
SQL Server 2019/2022
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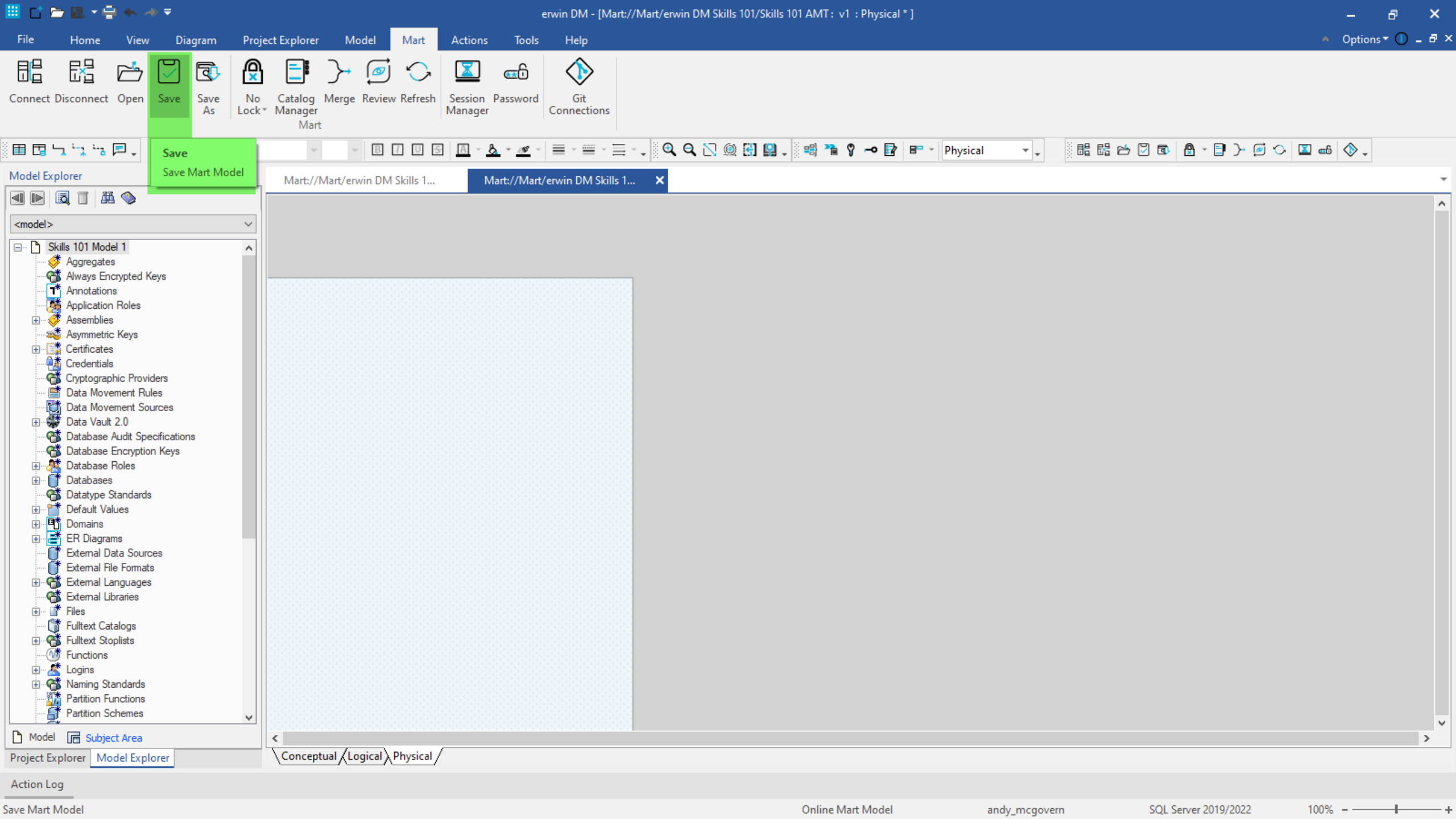
# Model Versioning


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 AMT : v1 : Physical * ]
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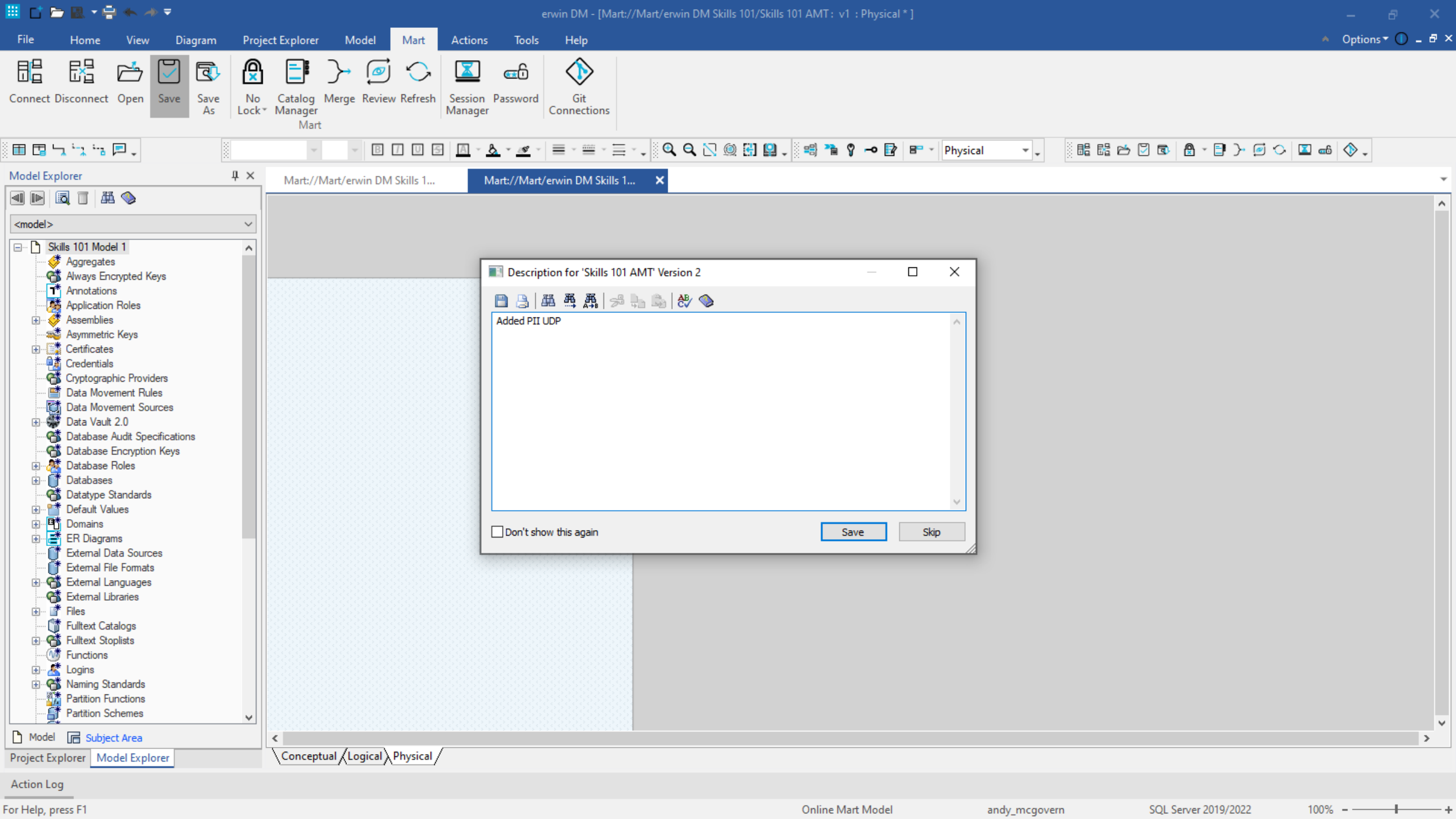
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Naming Standards
Partition Functions
Partition Schemes
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Mart://Mart/erwin DM Skills 1...
Mart://Mart/erwin DM Skills 1...
Description for 'Skills 101 AMT' Version 2
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andy_mcgovern
SQL Server 2019/2022
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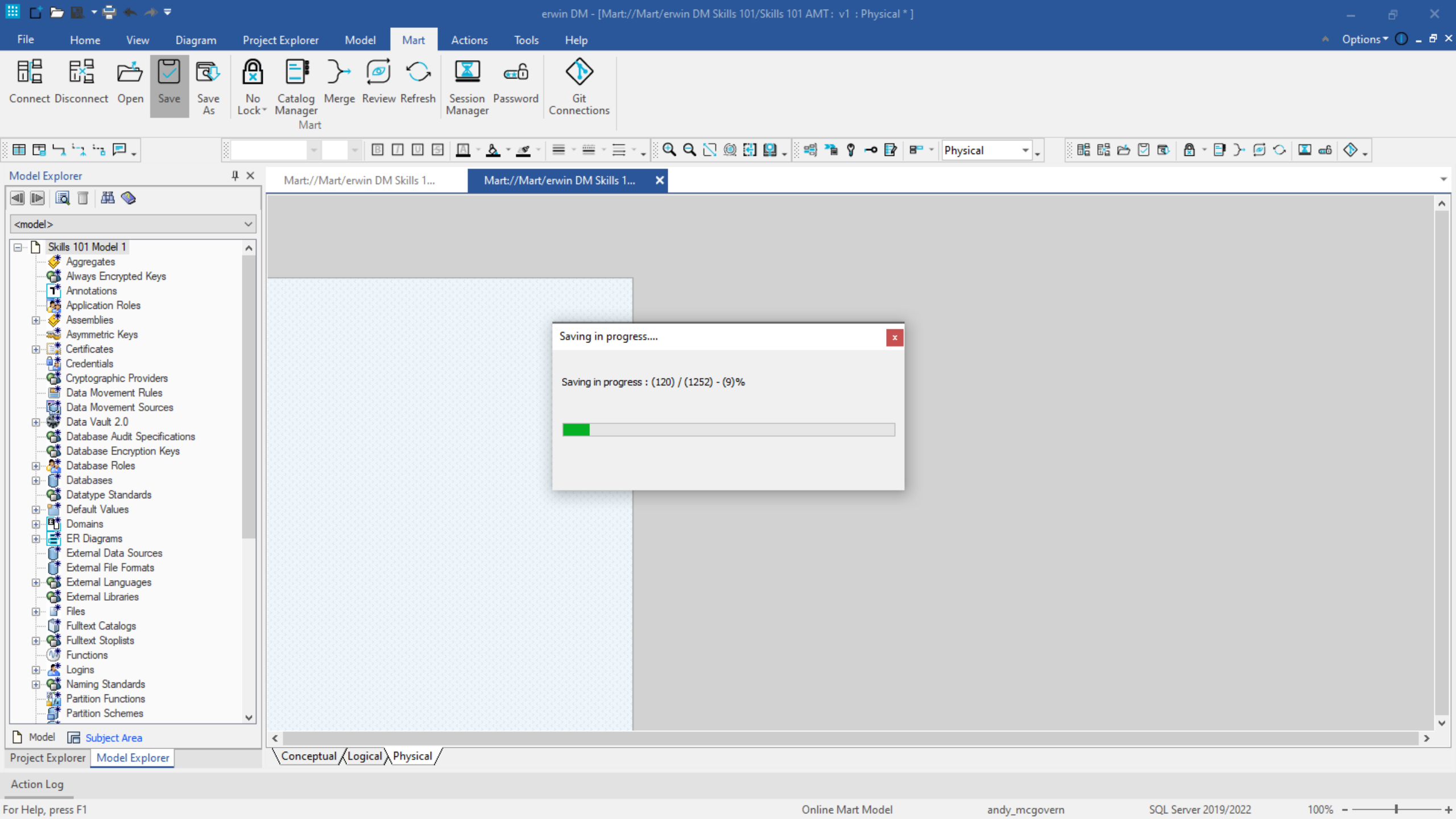
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SQL Server 2019/2022
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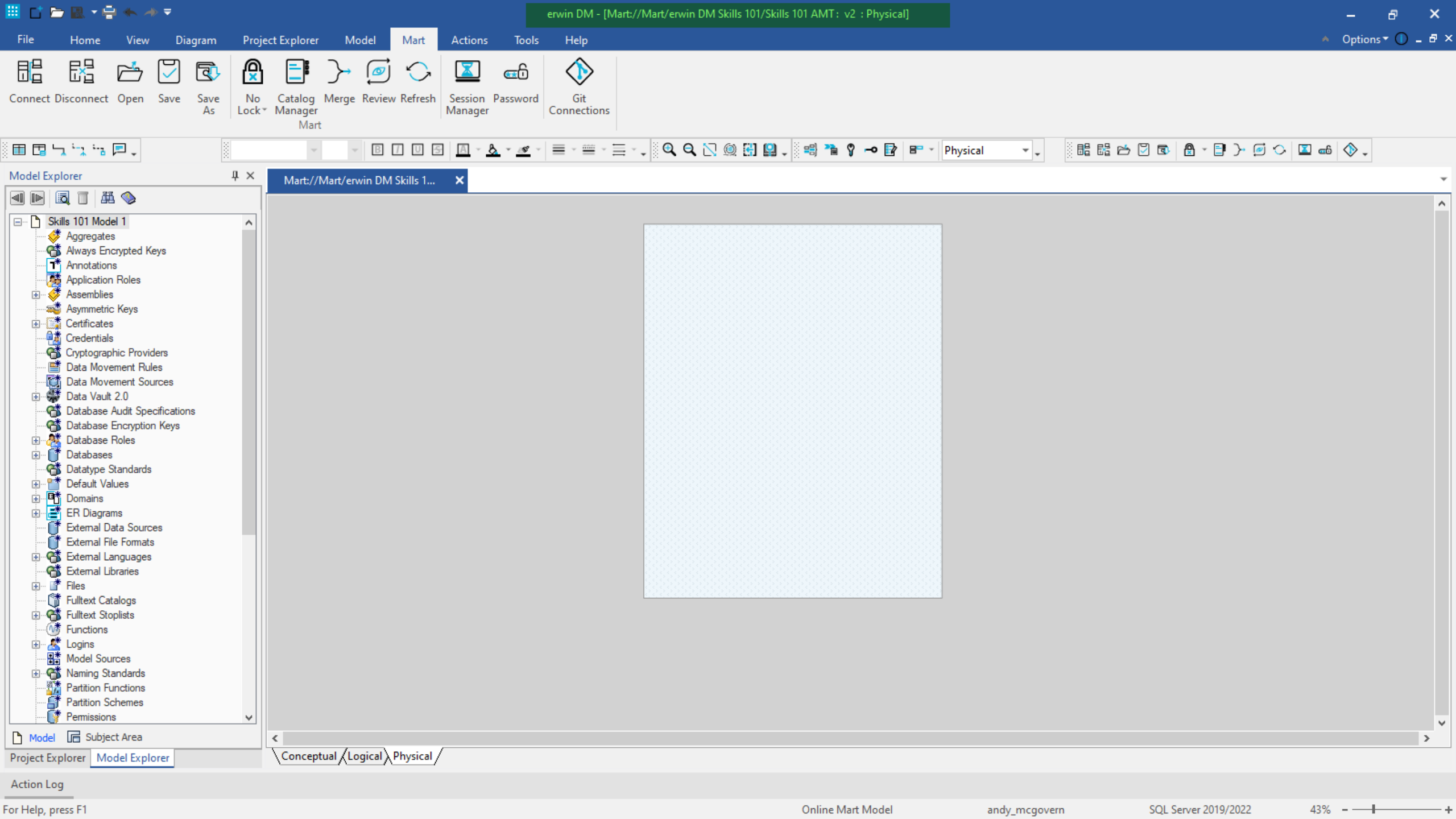
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Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
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Naming Standards
Partition Functions
Partition Schemes
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Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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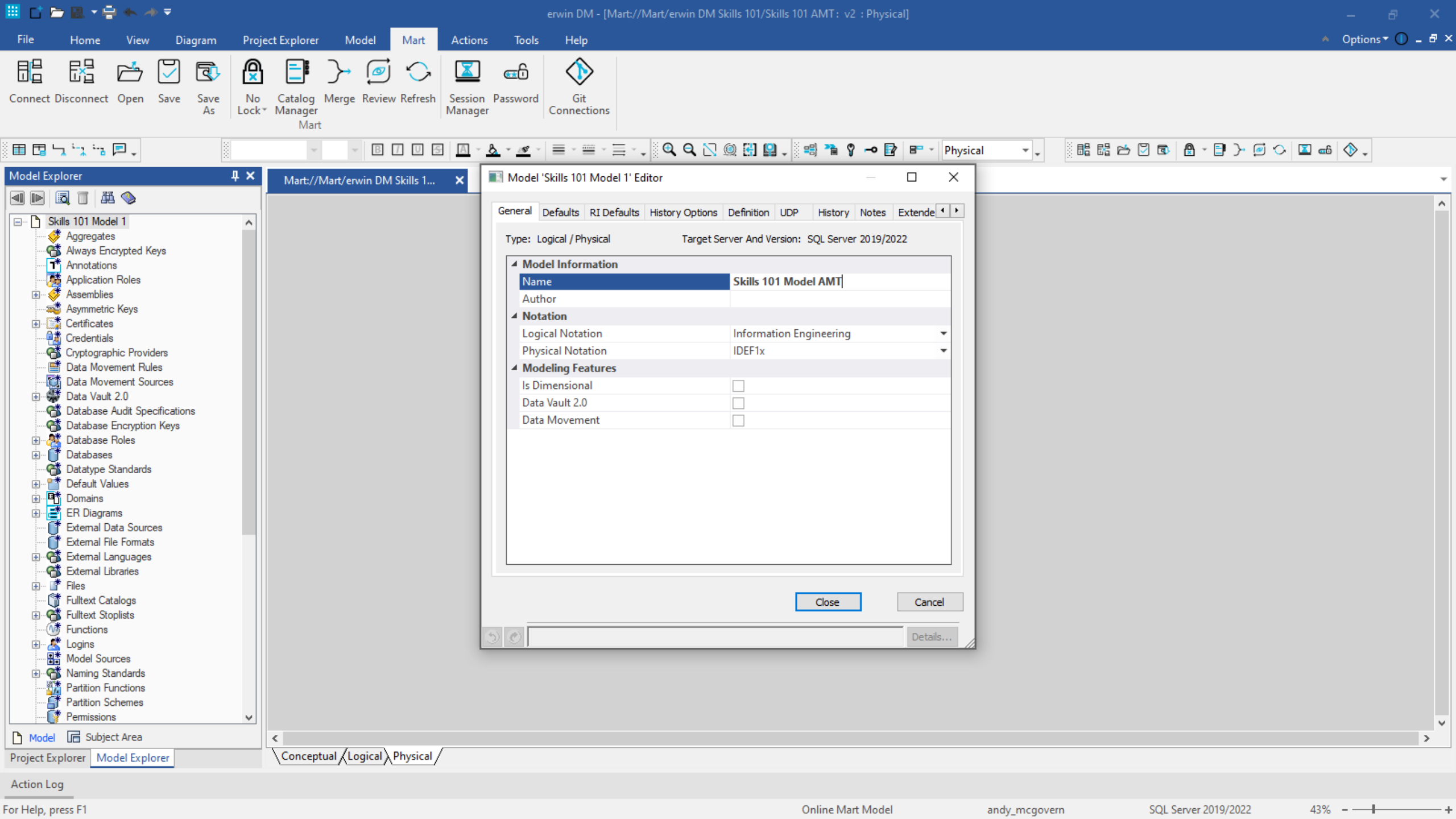
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Fulltext Stoplists
Functions
Logins
Model Sources
Naming Standards
Partition Functions
Partition Schemes
Permissions
Model
Subject Area
Project Explorer
Model Explorer
Mart://Mart/erwin DM Skills 1...
Model 'Skills 101 Model 1' Editor
General
Defaults
RI Defaults
History Options
Definition
UDP
History
Notes
Extende
Type: Logical / Physical
Target Server And Version: SQL Server 2019/2022
Model Information
Name
Skills 101 Model AMT
Author
Notation
Logical Notation
Information Engineering
Physical Notation
IDEF1x
Modeling Features
Is Dimensional
Data Vault 2.0
Data Movement
Close
Cancel
Details...
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andy_mcgovern
SQL Server 2019/2022
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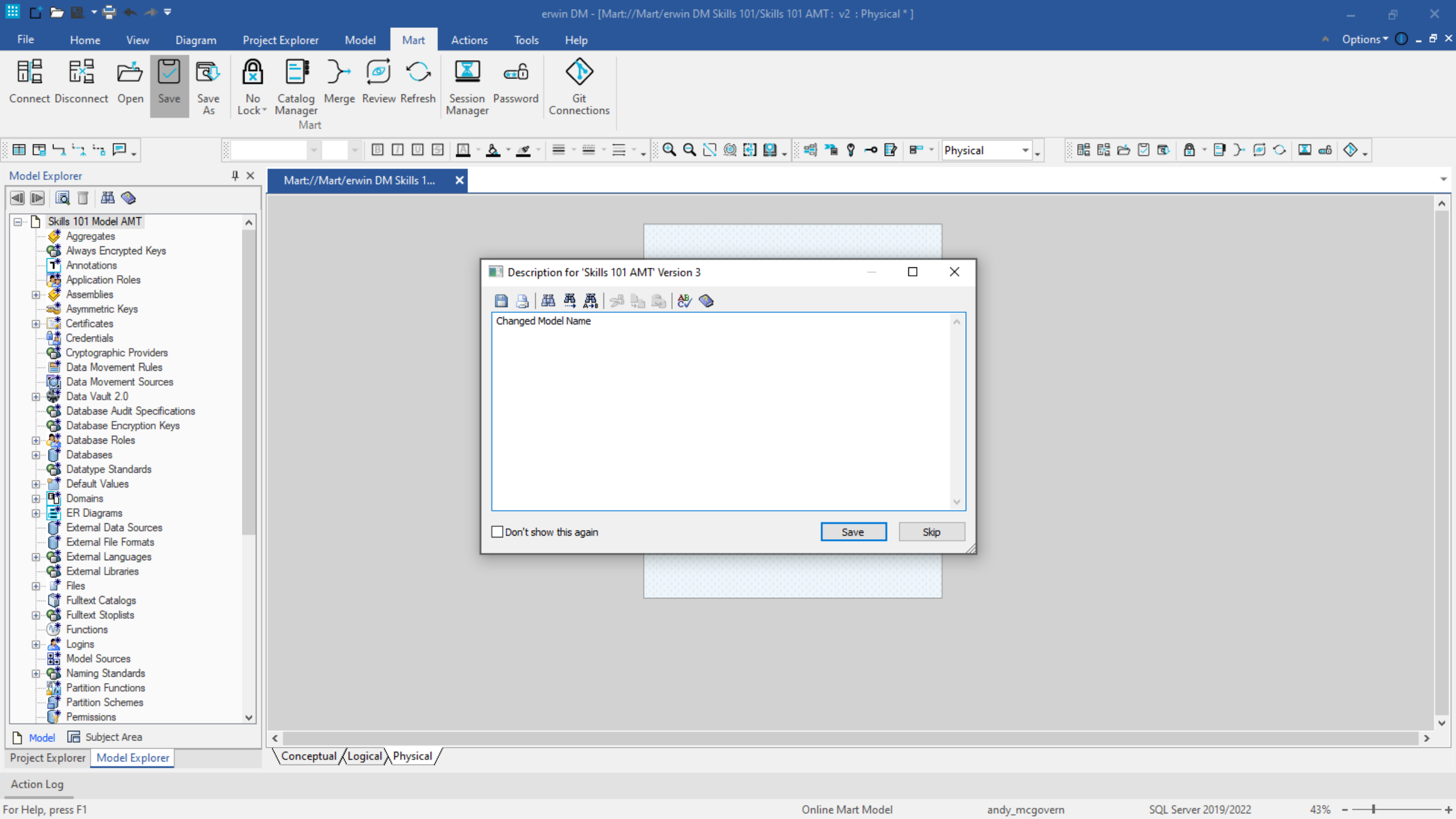
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Logins
Model Sources
Naming Standards
Partition Functions
Partition Schemes
Permissions
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Project Explorer
Model Explorer
Description for 'Skills 101 AMT' Version 3
Changed Model Name
Don't show this again
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Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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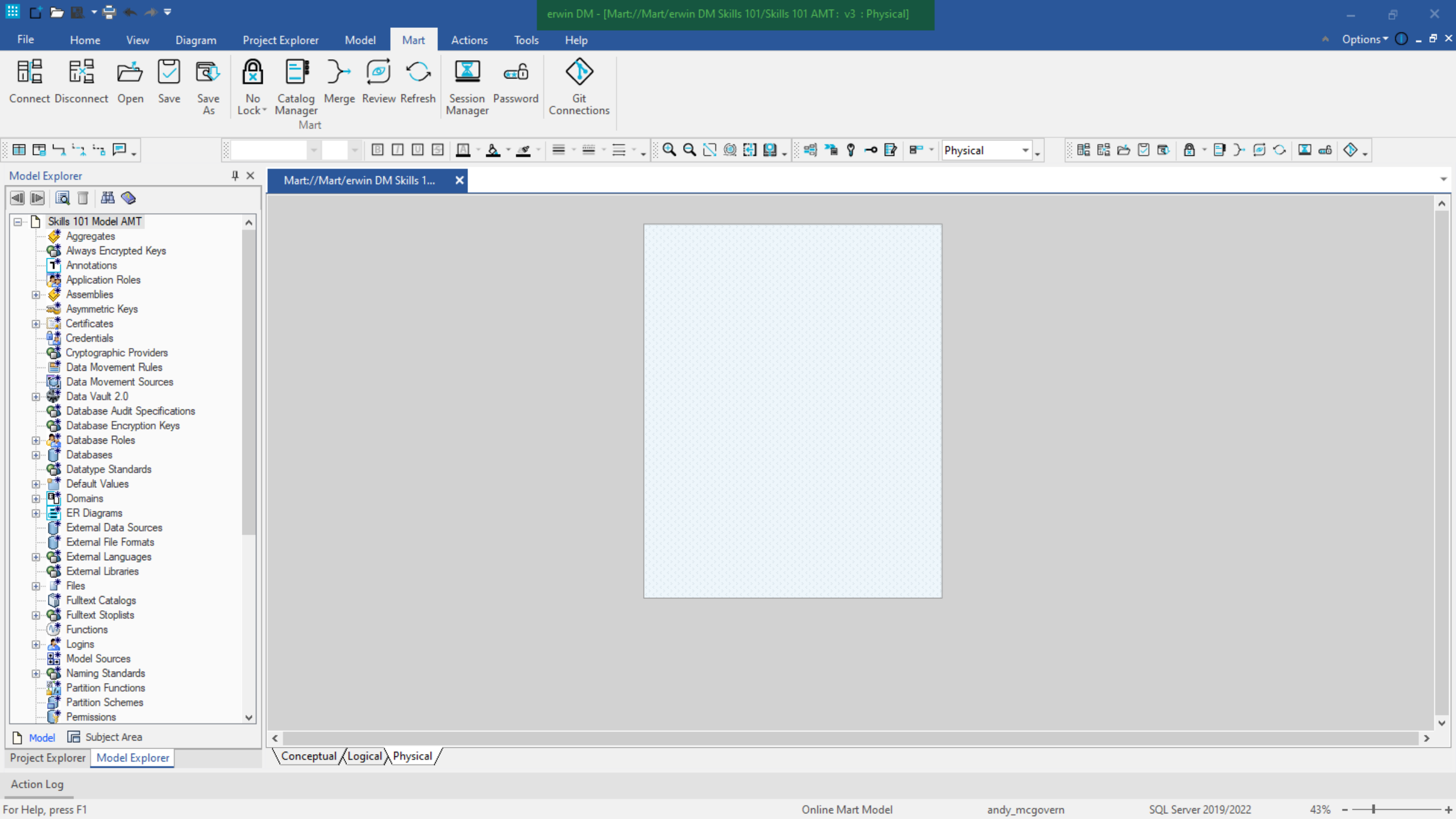
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Partition Functions
Partition Schemes
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Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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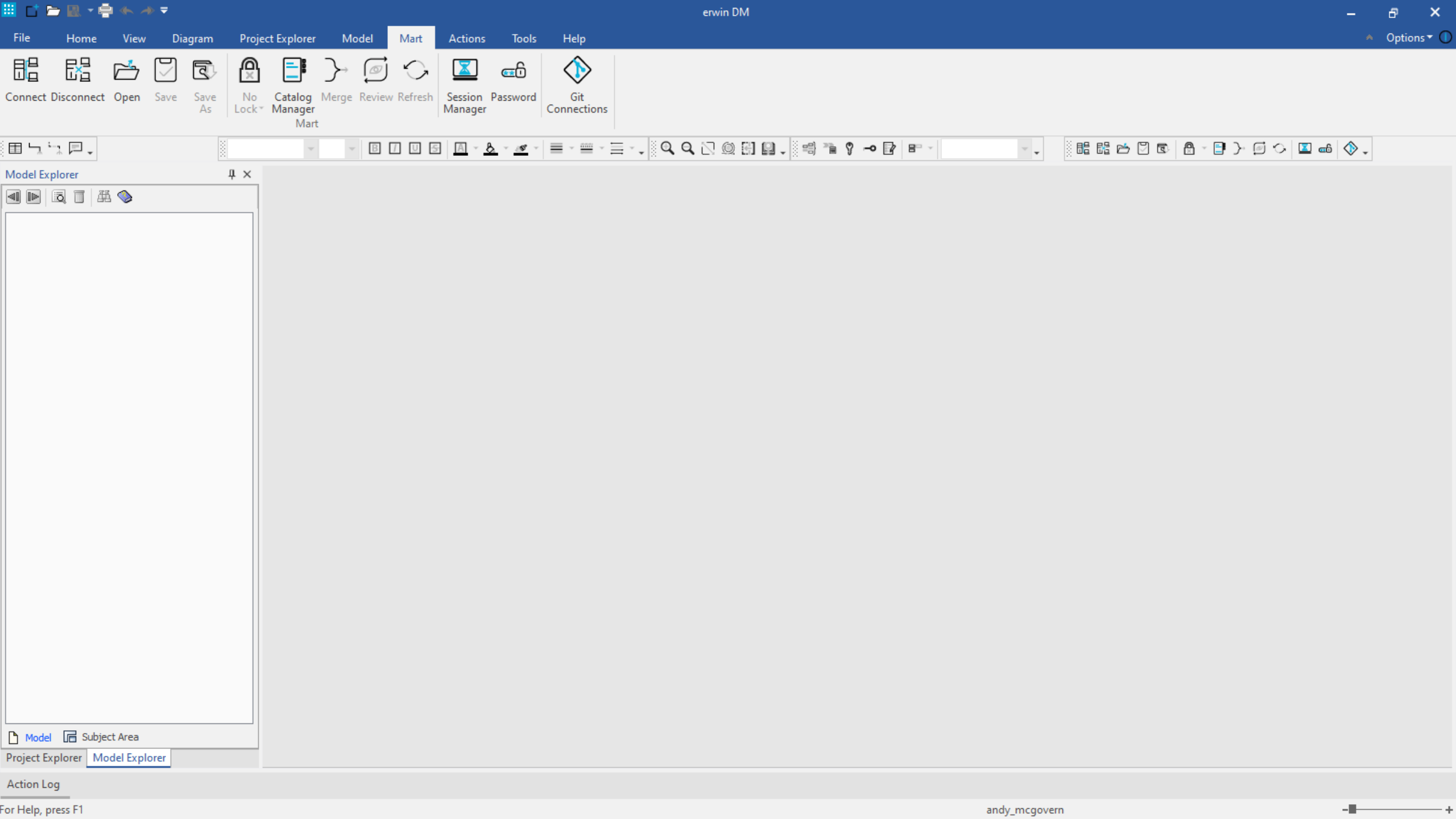
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Subject Area
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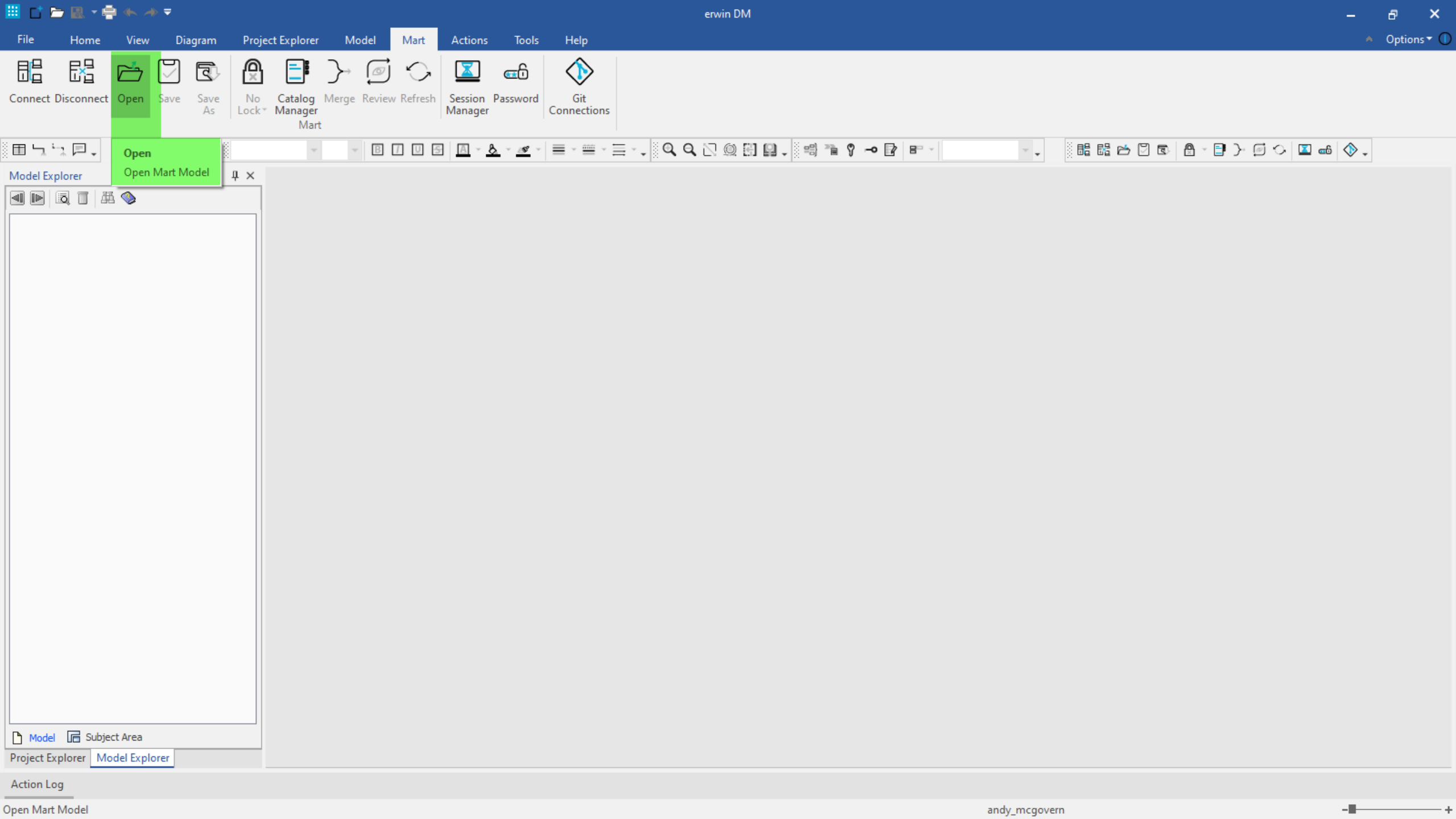
Action Log
For Help, press F1
andy_mcgovern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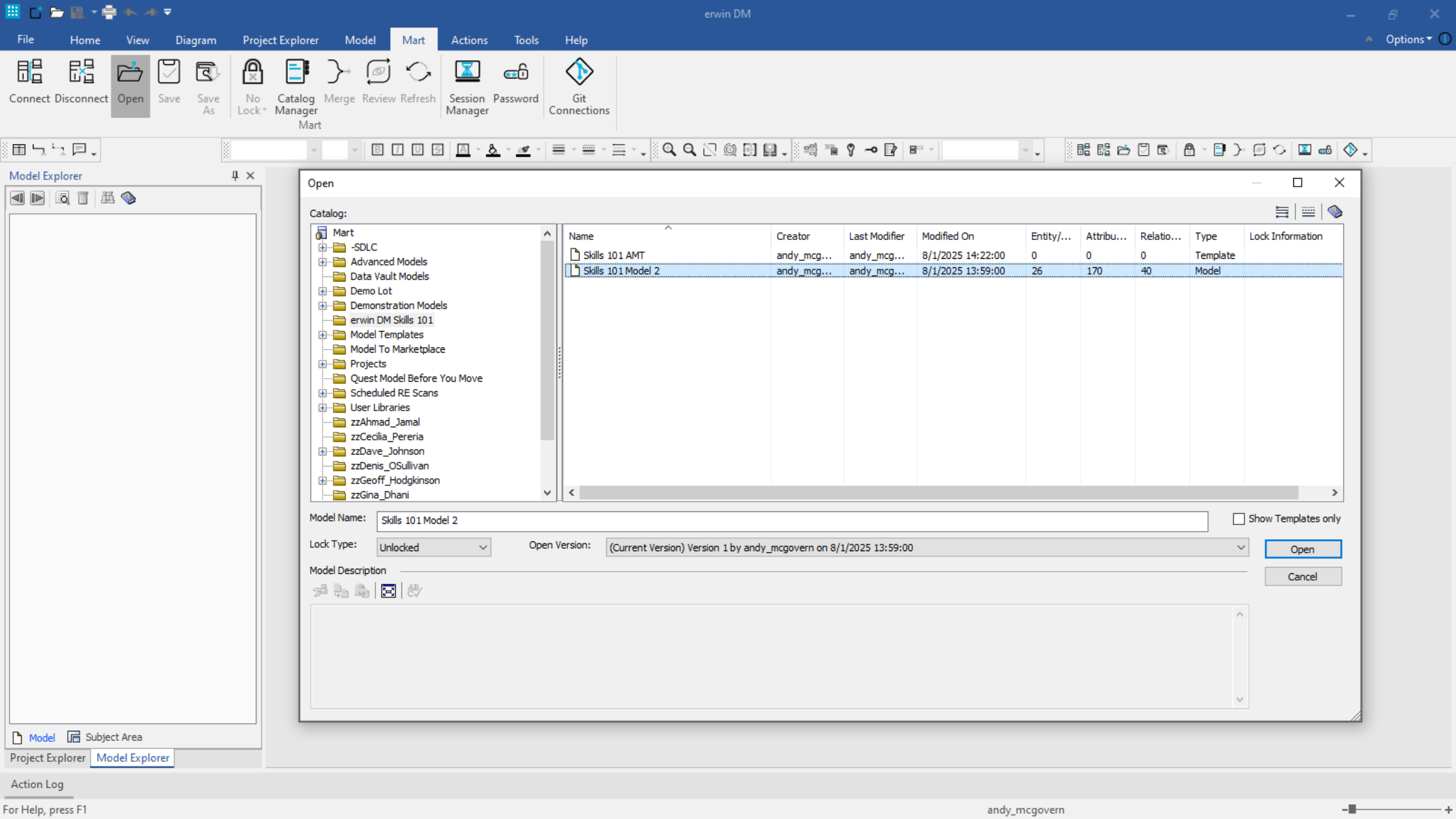
andy_mcgovern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Action Log
For Help, press F1
andy_mcgovern
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Catalog:
Mart
-SDLC
Advanced Models
Data Vault Models
Demo Lot
Demonstration Models
erwin DM Skills 101
Model Templates
Model To Marketplace
Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
zzGina_Dhani
Name
Creator
Last Modifier
Modified On
Entity/...
Attribu...
Relatio...
Type
Lock Information
Skills 101 AMT
andy_mcg...
andy_mcg...
8/1/2025 14:22:00
0
0
0
Template
Skills 101 Model 2
andy_mcg...
andy_mcg...
8/1/2025 13:59:00
26
170
40
Model
Model Name:
Skills 101 Model 2
Show Templates only
Lock Type:
Unlocked
Open Version:
(Current Version) Version 1 by andy_mcgovern on 8/1/2025 13:59:00
Open
Cancel
Model Description

Connect Disconnect Open Save Save As No Lock Catalog Manager Merge Review Refresh Session Manager Password Git Connections

Mart

Logical

Model Explorer

Skills 101 Model 2
- Annotations
- Data Vault 2.0
- Datatype Standards
- Default Values
- Domains
- Entities
- ER Diagrams
- Model Sources
- Naming Standards
- Relationships
- Subject Areas
- Themes
- Validation Rules

Model Subject Area

Project Explorer Model Explorer

Mart://Mart/erwin DM Skills 1...

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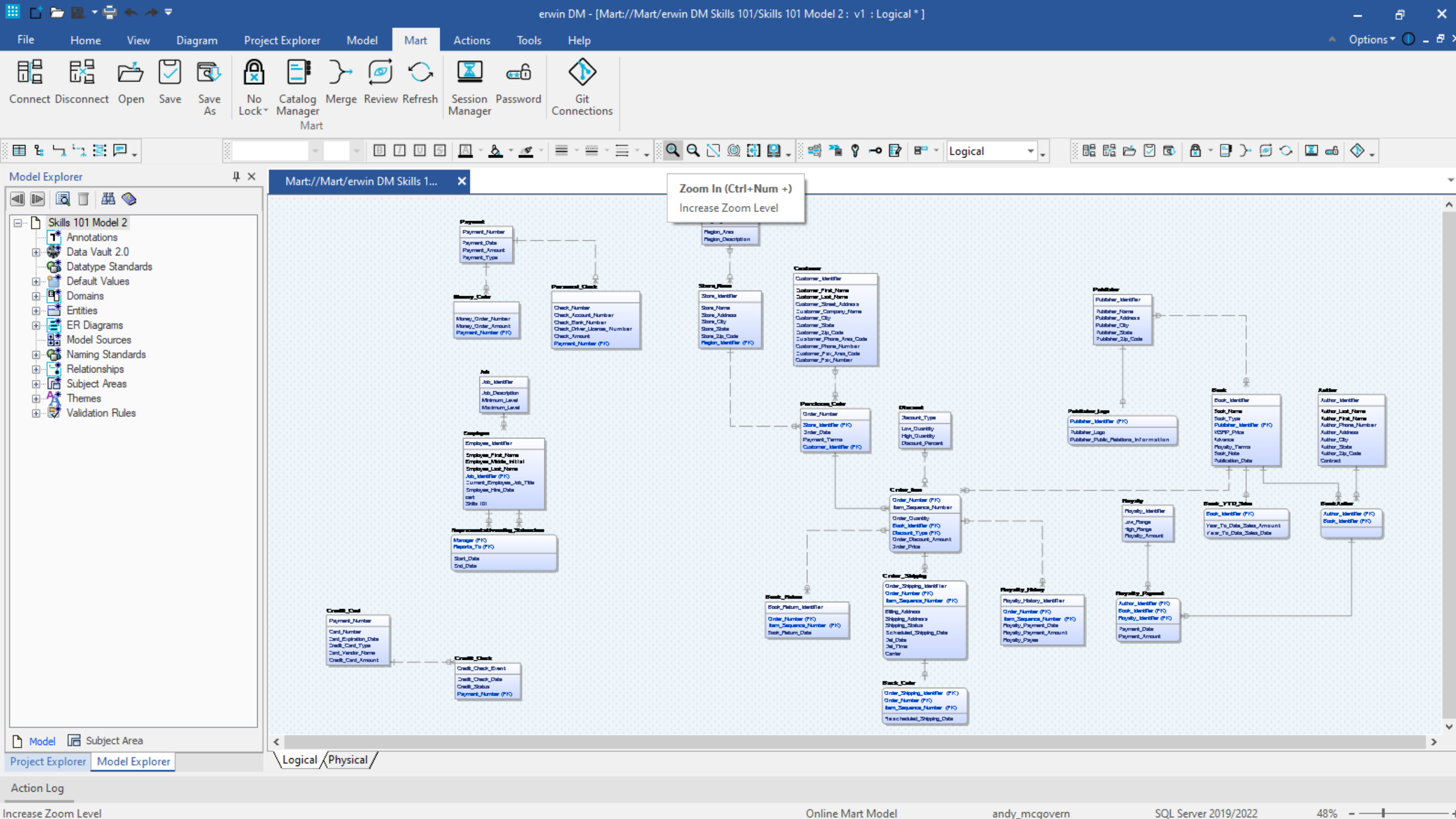
Action Log


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v1 : Logical * ]
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Themes
Validation Rules
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Model Explorer
Mart://Mart/erwin DM Skills 1...
Zoom In (Ctrl+Num +)
Increase Zoom Level
Logical
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Action Log
Increase Zoom Level
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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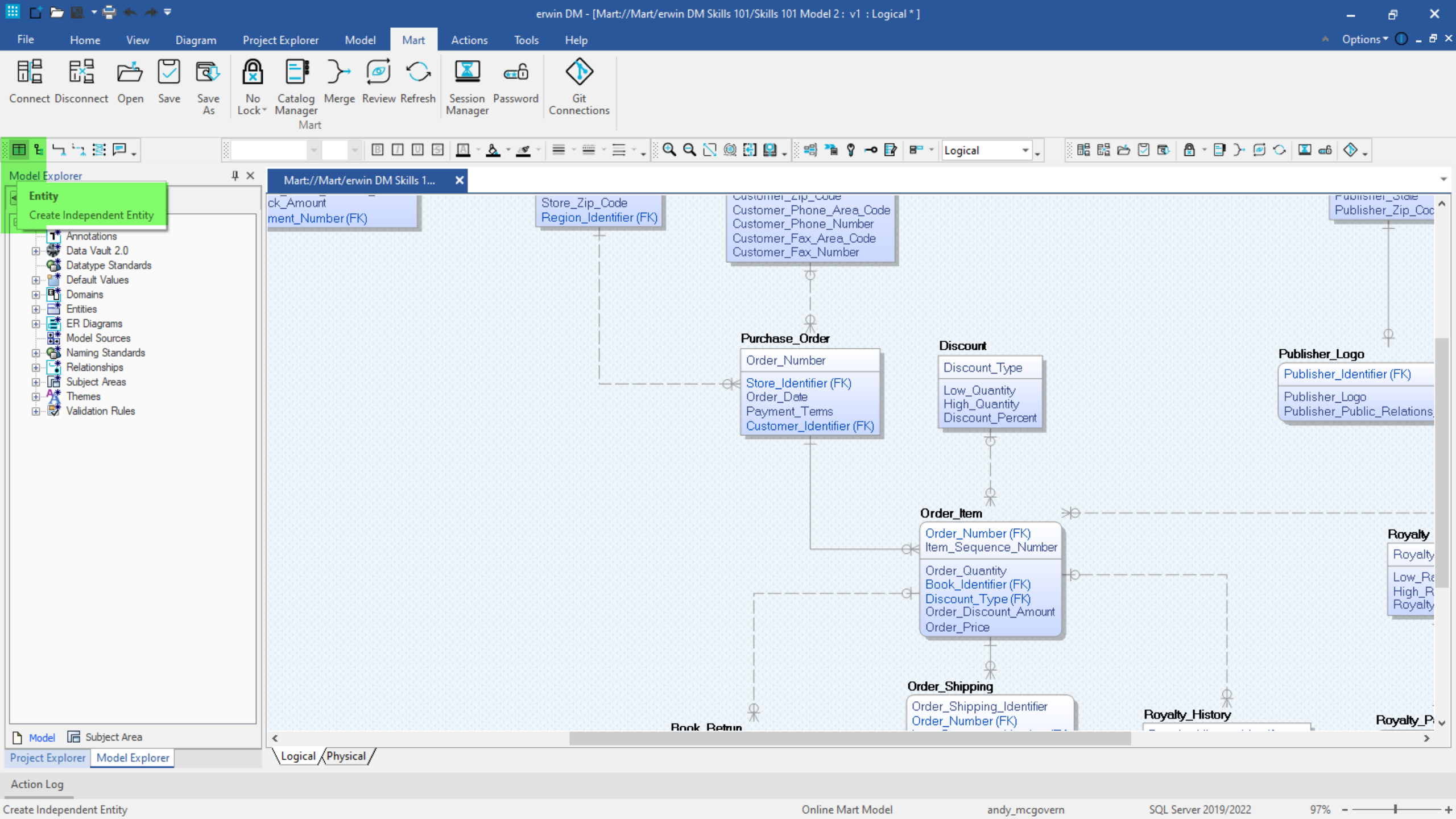
erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v1 : Logical * ]
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Session Manager
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Create Independent Entity
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ER Diagrams
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Naming Standards
Relationships
Subject Areas
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Mart://Mart/erwin DM Skills 1...
Store_Zip_Code
Region_Identifier (FK)
Customer_Phone_Area_Code
Customer_Phone_Number
Customer_Fax_Area_Code
Customer_Fax_Number
Publisher_Zip_Coc
Purchase_Order
Order_Number
Store_Identifier (FK)
Order_Date
Payment_Terms
Customer_Identifier (FK)
Discount
Discount_Type
Low_Quantity
High_Quantity
Discount_Percent
Publisher_Logo
Publisher_Identifier (FK)
Publisher_Logo
Publisher_Public_Relations
Order_Item
Order_Number (FK)
Item_Sequence_Number
Order_Quantity
Book_Identifier (FK)
Discount_Type (FK)
Order_Discount_Amount
Order_Price
Royalty
Order_Shipping
Order_Shipping_Identifier
Order_Number (FK)
Royalty_History
Logical
Physical
Action Log
Create Independent Entity
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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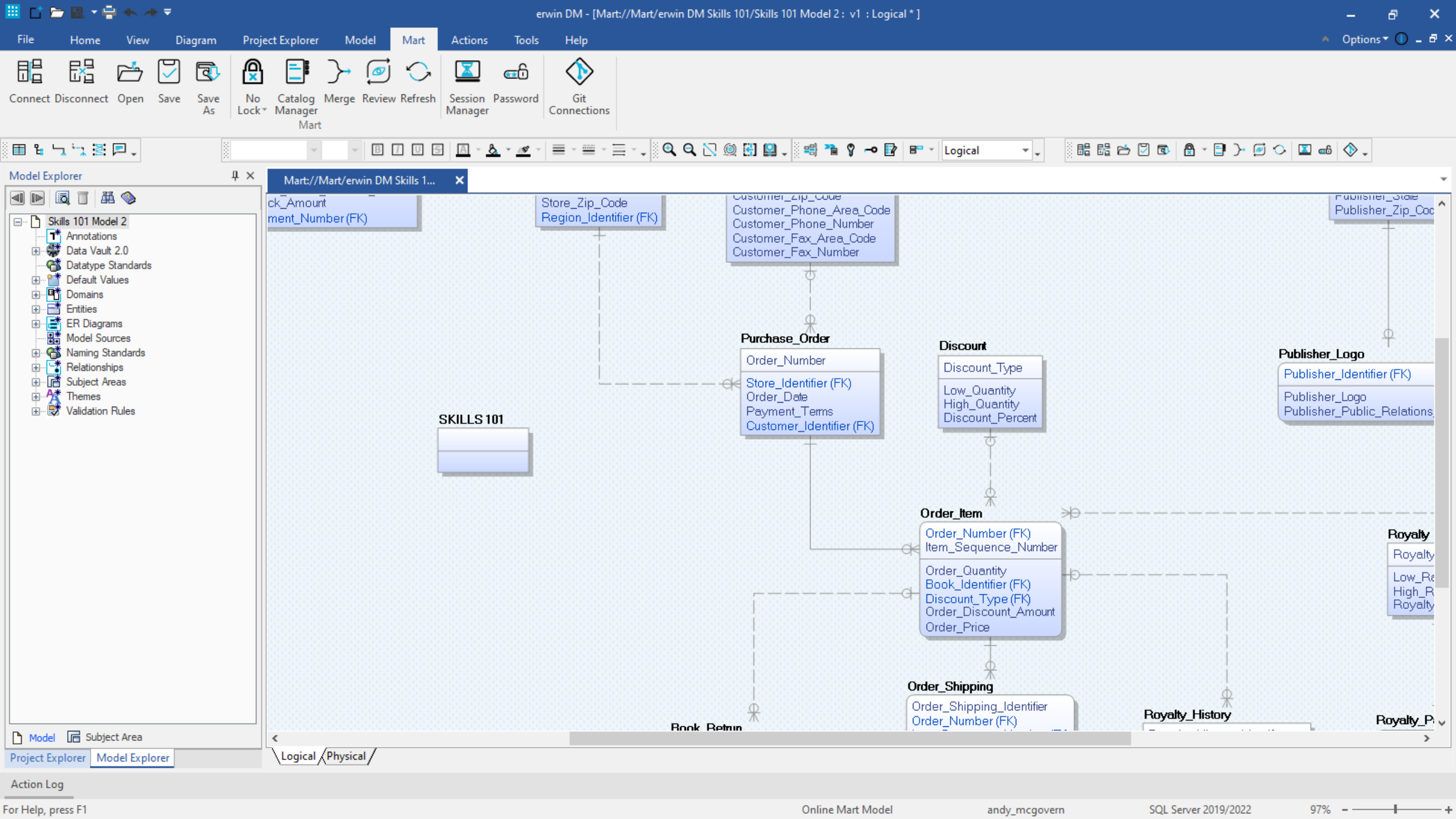
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Relationships
Subject Areas
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Mart://Mart/erwin DM Skills 1...
Store_Zip_Code
Region_Identifier (FK)
Customer_Phone_Area_Code
Customer_Phone_Number
Customer_Fax_Area_Code
Customer_Fax_Number
Publisher_Zip_Cod
Purchase_Order
Order_Number
Store_Identifier (FK)
Order_Date
Payment_Terms
Customer_Identifier (FK)
Discount
Discount_Type
Low_Quantity
High_Quantity
Discount_Percent
Publisher_Logo
Publisher_Identifier (FK)
Publisher_Logo
Publisher_Public_Relations
SKILLS 101
Order_Item
Order_Number (FK)
Item_Sequence_Number
Order_Quantity
Book_Identifier (FK)
Discount_Type (FK)
Order_Discount_Amount
Order_Price
Royalty
Order_Shipping
Order_Shipping_Identifier
Order_Number (FK)
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SQL Server 2019/2022
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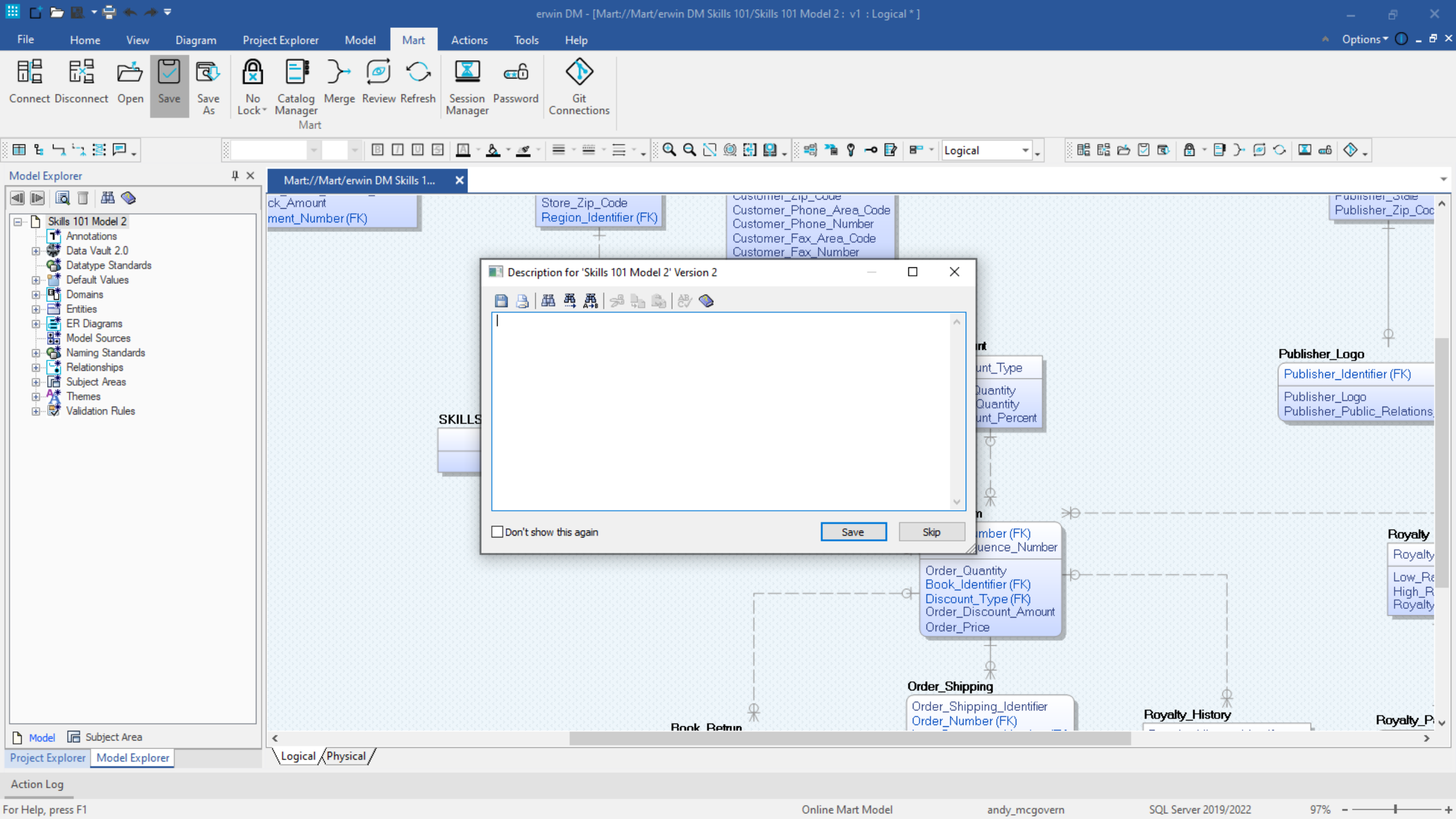
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Session Manager
Password
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Skills 101 Model 2
Annotations
Data Vault 2.0
Datatype Standards
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Model Sources
Naming Standards
Relationships
Subject Areas
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Mart://Mart/erwin DM Skills 1...
Store_Zip_Code
Region_Identifier (FK)
Customer_Phone_Area_Code
Customer_Phone_Number
Customer_Fax_Area_Code
Customer_Fax_Number
Publisher_Zip_Code
Description for 'Skills 101 Model 2' Version 2
Don't show this again
Save
Skip
Publisher_Logo
Publisher_Identifier (FK)
Publisher_Logo
Publisher_Public_Relations
SKILLS
Order_Quantity
Book_Identifier (FK)
Discount_Type (FK)
Order_Discount_Amount
Order_Price
Order_Shipping
Order_Shipping_Identifier
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Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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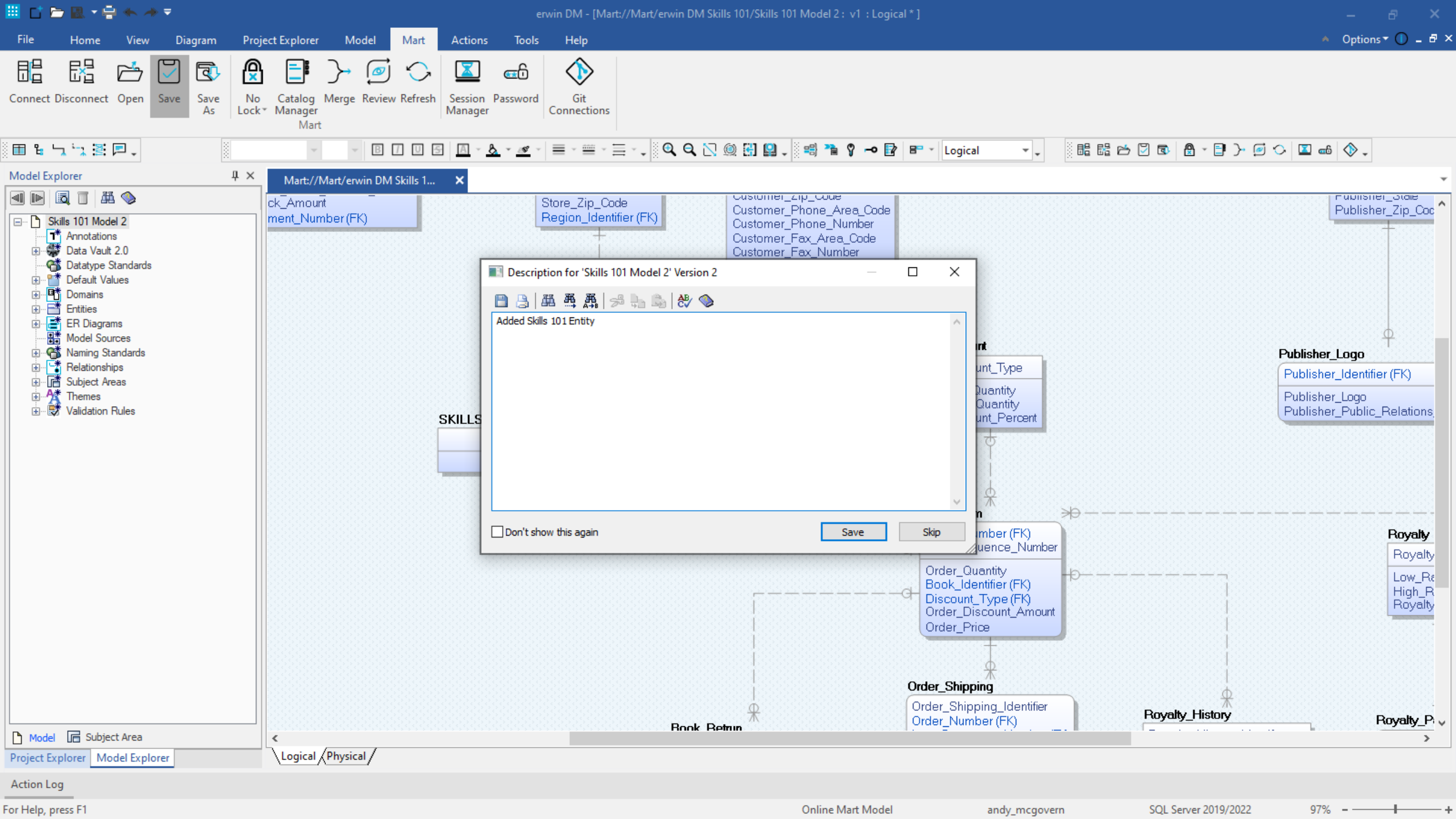
erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v1 : Logical * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
Connect
Disconnect
Open
Save
Save As
No Lock
Catalog Manager
Merge
Review
Refresh
Session Manager
Password
Git Connections
Mart
Logical
Model Explorer
Skills 101 Model 2
Annotations
Data Vault 2.0
Datatype Standards
Default Values
Domains
Entities
ER Diagrams
Model Sources
Naming Standards
Relationships
Subject Areas
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Mart://Mart/erwin DM Skills 1...
Store_Zip_Code
Region_Identifier (FK)
Customer_Phone_Area_Code
Customer_Phone_Number
Customer_Fax_Area_Code
Customer_Fax_Number
Publisher_Zip_Code
Publisher_Logo
Publisher_Identifier (FK)
Publisher_Logo
Publisher_Public_Relations
SKILLS
Order_Quantity
Book_Identifier (FK)
Discount_Type (FK)
Order_Discount_Amount
Order_Price
Order_Shipping
Order_Shipping_Identifier
Order_Number (FK)
Royalty
Royalty_History
Book_Return
Description for 'Skills 101 Model 2' Version 2
Added Skills 101 Entity
Don't show this again
Save
Skip
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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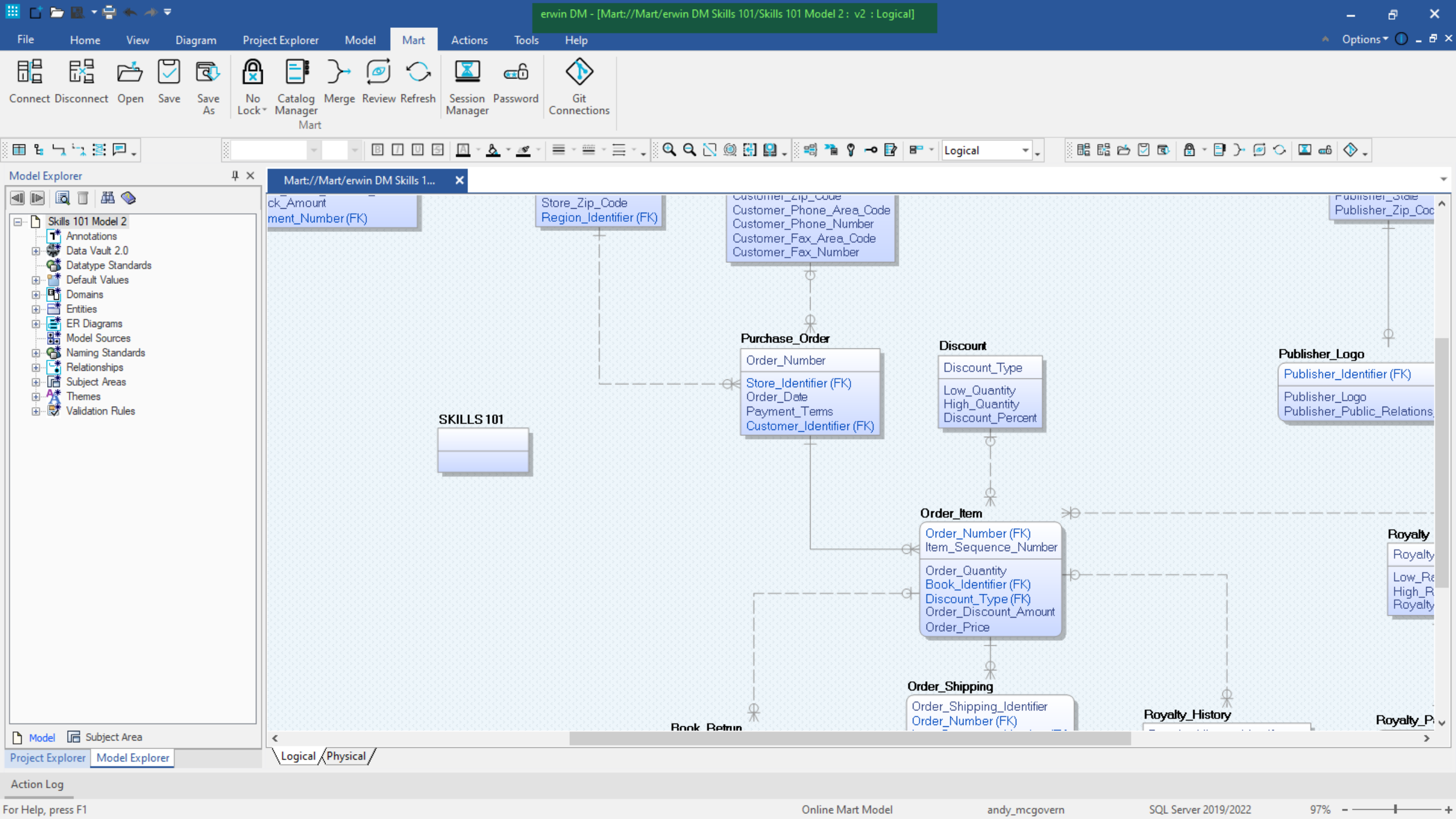
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Diagram
Project Explorer
Model
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Actions
Tools
Help
Options
Connect
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Open
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No Lock
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Annotations
Data Vault 2.0
Datatype Standards
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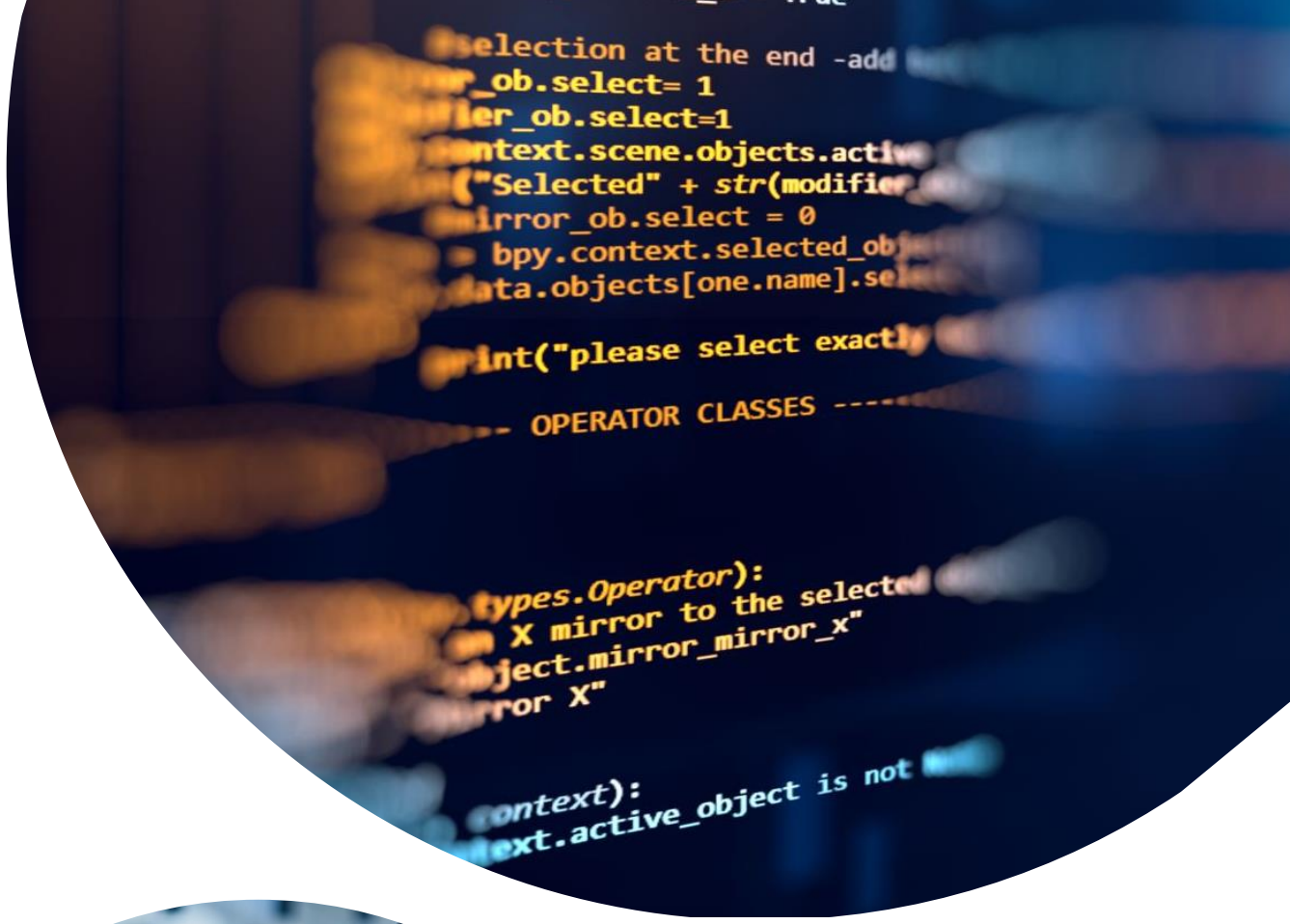
Entities
ER Diagrams
Model Sources
Naming Standards
Relationships
Subject Areas
Themes
Validation Rules
Model
Subject Area
Project Explorer
Model Explorer
Mart://Mart/erwin DM Skills 1...
Store_Zip_Code
Region_Identifier (FK)
Customer_Phone_Area_Code
Customer_Phone_Number
Customer_Fax_Area_Code
Customer_Fax_Number
Publisher_Zip_Cod
Purchase_Order
Order_Number
Store_Identifier (FK)
Order_Date
Payment_Terms
Customer_Identifier (FK)
Discount
Discount_Type
Low_Quantity
High_Quantity
Discount_Percent
Publisher_Logo
Publisher_Identifier (FK)
Publisher_Logo
Publisher_Public_Relations
SKILLS 101
Order_Item
Order_Number (FK)
Item_Sequence_Number
Order_Quantity
Book_Identifier (FK)
Discount_Type (FK)
Order_Discount_Amount
Order_Price
Royalty
Order_Shipping
Order_Shipping_Identifier
Order_Number (FK)
Royalty_History
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
97%

# Comparing Versions



Where Next Meets Now.

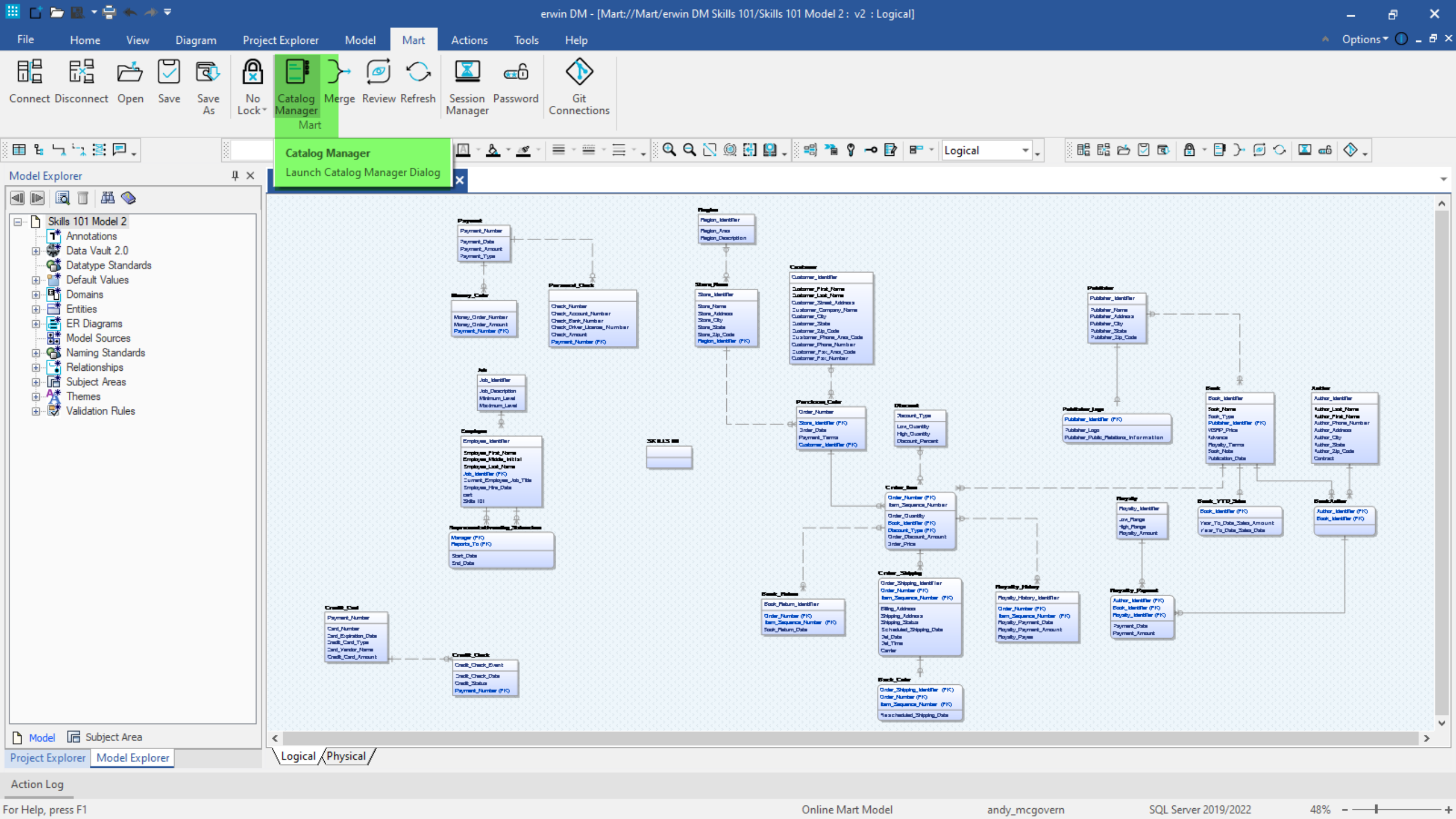

erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v2 : Logical]
File
Home
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Diagram
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Model
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Actions
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Help
Options
Connect
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Save As
No Lock
Catalog Manager
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Session Manager
Password
Git Connections
Mart
Catalog Manager
Launch Catalog Manager Dialog
Logical
Model Explorer
Skills 101 Model 2
Annotations
Data Vault 2.0
Datatype Standards
Default Values
Domains
Entities
ER Diagrams
Model Sources
Naming Standards
Relationships
Subject Areas
Themes
Validation Rules
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Project Explorer
Model Explorer
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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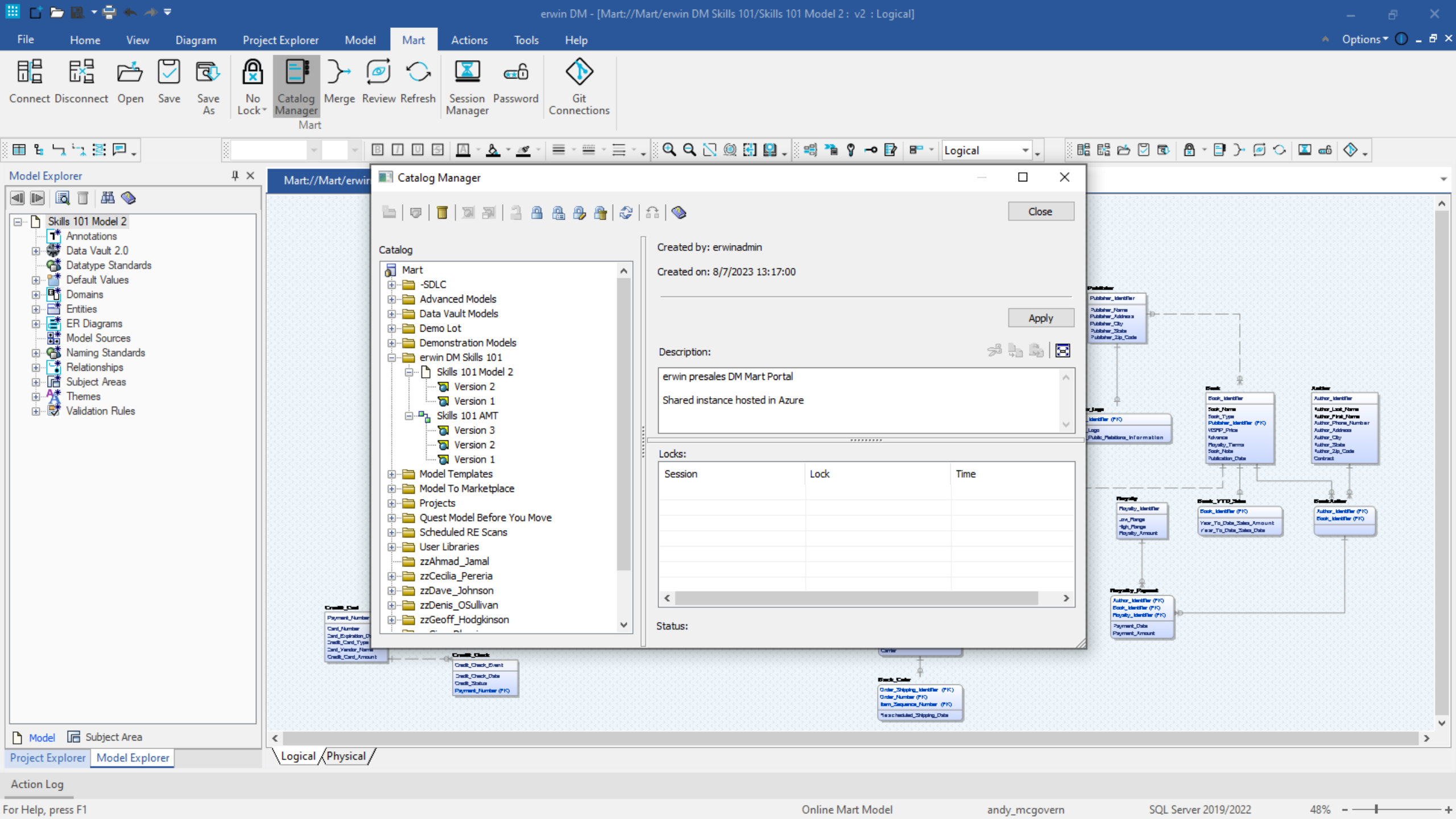
erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v2 : Logical]
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Connect
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Skills 101 Model 2
Annotations
Data Vault 2.0
Datatype Standards
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Model Sources
Naming Standards
Relationships
Subject Areas
Themes
Validation Rules
Model
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Project Explorer
Model Explorer
Mart://Mart/erwin
Catalog Manager
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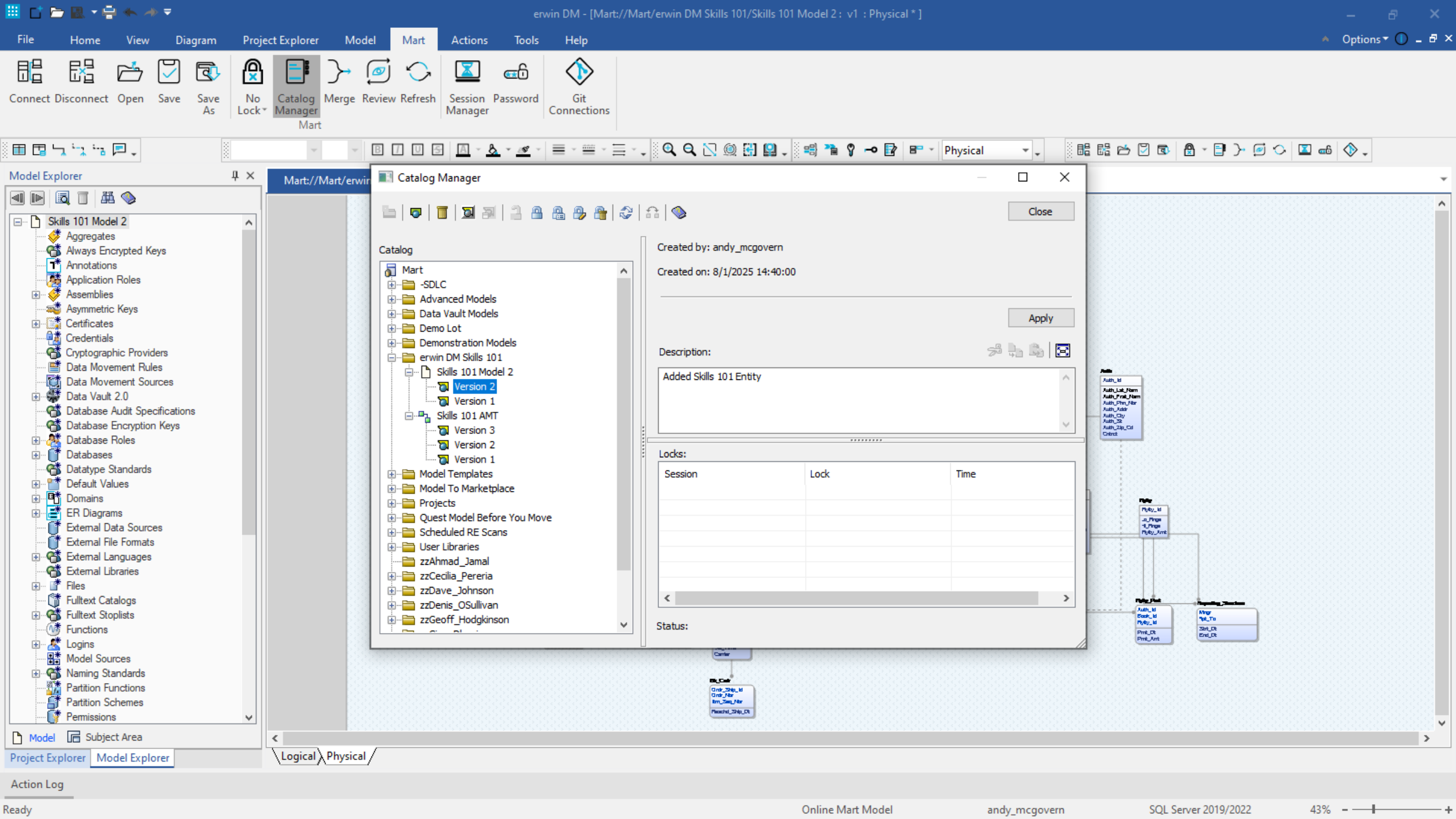
Catalog
Mart
-SDLC
Advanced Models
Data Vault Models
Demo Lot
Demonstration Models
erwin DM Skills 101
Skills 101 Model 2
Version 2
Version 1
Skills 101 AMT
Version 3
Version 2
Version 1
Model Templates
Model To Marketplace
Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
Created by: erwinadmin
Created on: 8/7/2023 13:17:00
Apply
Description:
erwin presales DM Mart Portal
Shared instance hosted in Azure
Locks:
Session
Lock
Time
Status:
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
48%


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v1 : Physical * ]
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Annotations
Application Roles
Assemblies
Asymmetric Keys
Certificates
Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
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Database Encryption Keys
Database Roles
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External File Formats
External Languages
External Libraries
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Fulltext Stoplists
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Naming Standards
Partition Functions
Partition Schemes
Permissions
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Version 1
Skills 101 AMT
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Version 1
Model Templates
Model To Marketplace
Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
Created by: andy_mcgovern
Created on: 8/1/2025 14:40:00
Apply
Description:
Added Skills 101 Entity
Locks:
Session
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Time
Status:
Logical
Physical
Action Log
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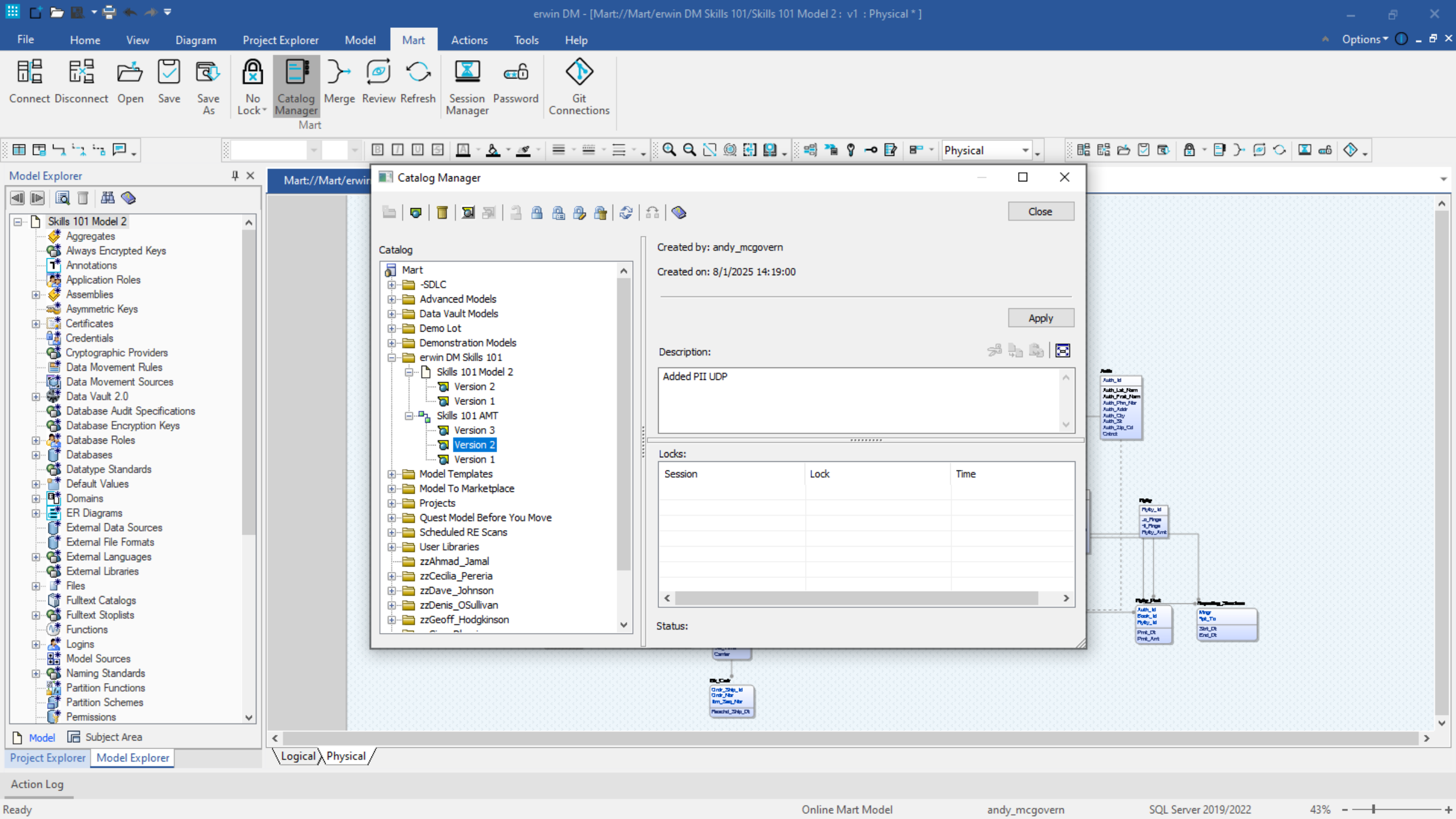
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
43%


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v1 : Physical * ]
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Quest Model Before You Move
Scheduled RE Scans
User Libraries
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zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
Created by: andy_mcgovern
Created on: 8/1/2025 14:19:00
Apply
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Status:
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SQL Server 2019/2022
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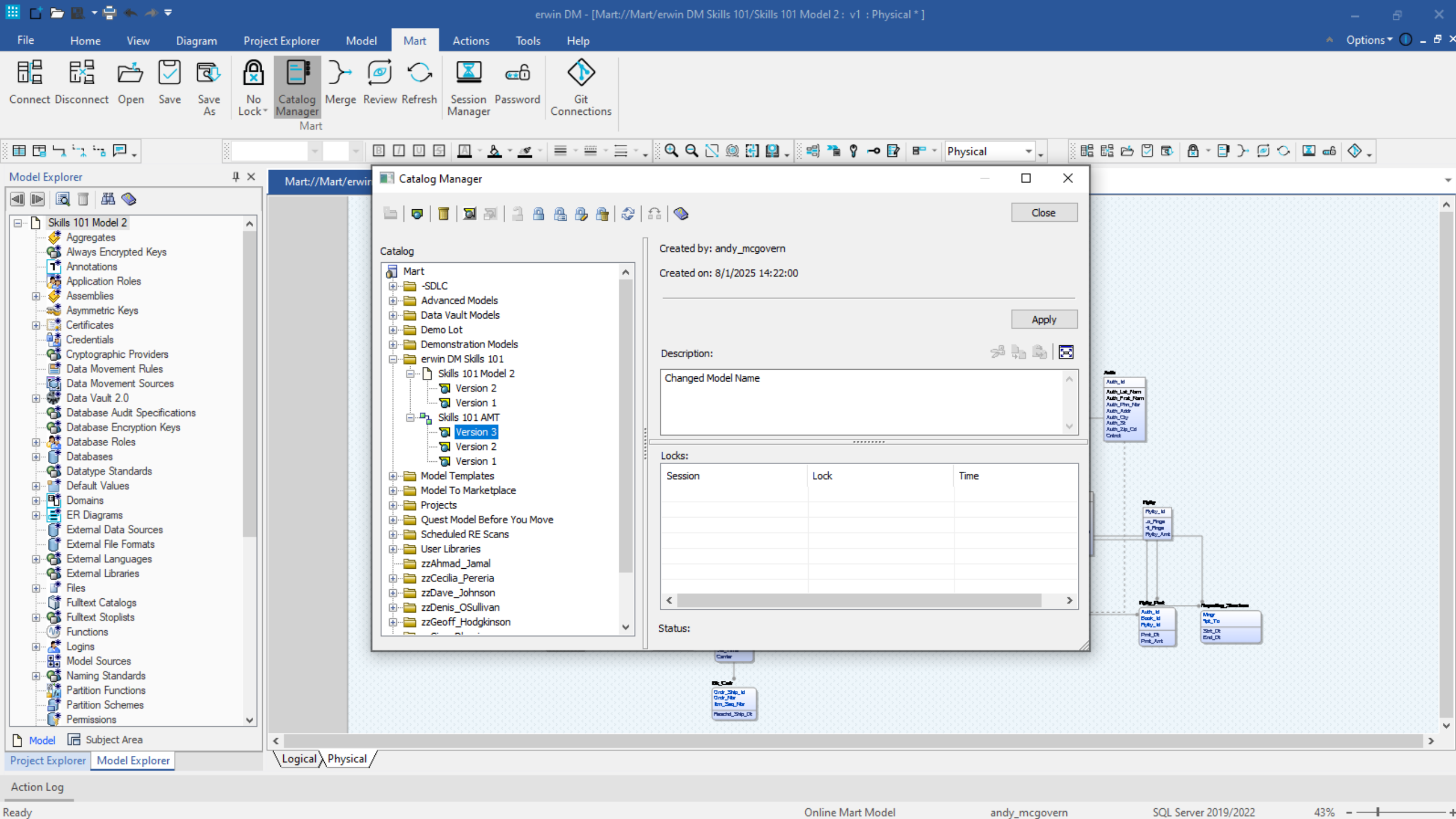
erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v1 : Physical * ]
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Demonstration Models
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Skills 101 AMT
Version 3
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Version 1
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Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
Created by: andy_mcgovern
Created on: 8/1/2025 14:22:00
Apply
Description:
Changed Model Name
Locks:
Session
Lock
Time
Status:
Logical
Physical
Action Log
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Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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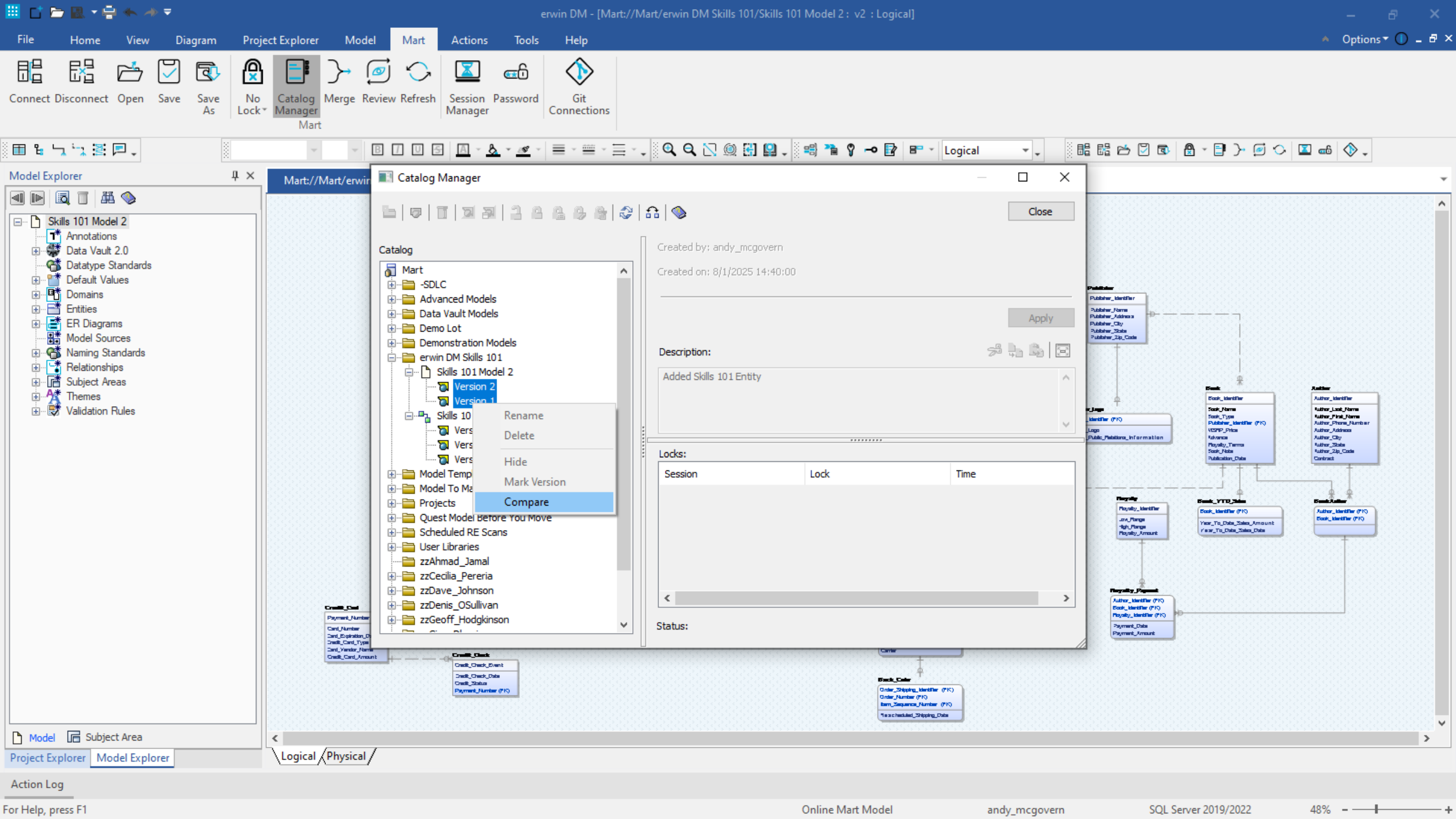
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Subject Areas
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Rename
Delete
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Mark Version
Compare
Created by: andy_mcgovern
Created on: 8/1/2025 14:40:00
Apply
Description:
Added Skills 101 Entity
Locks:
Session
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Time
Status:
Logical
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Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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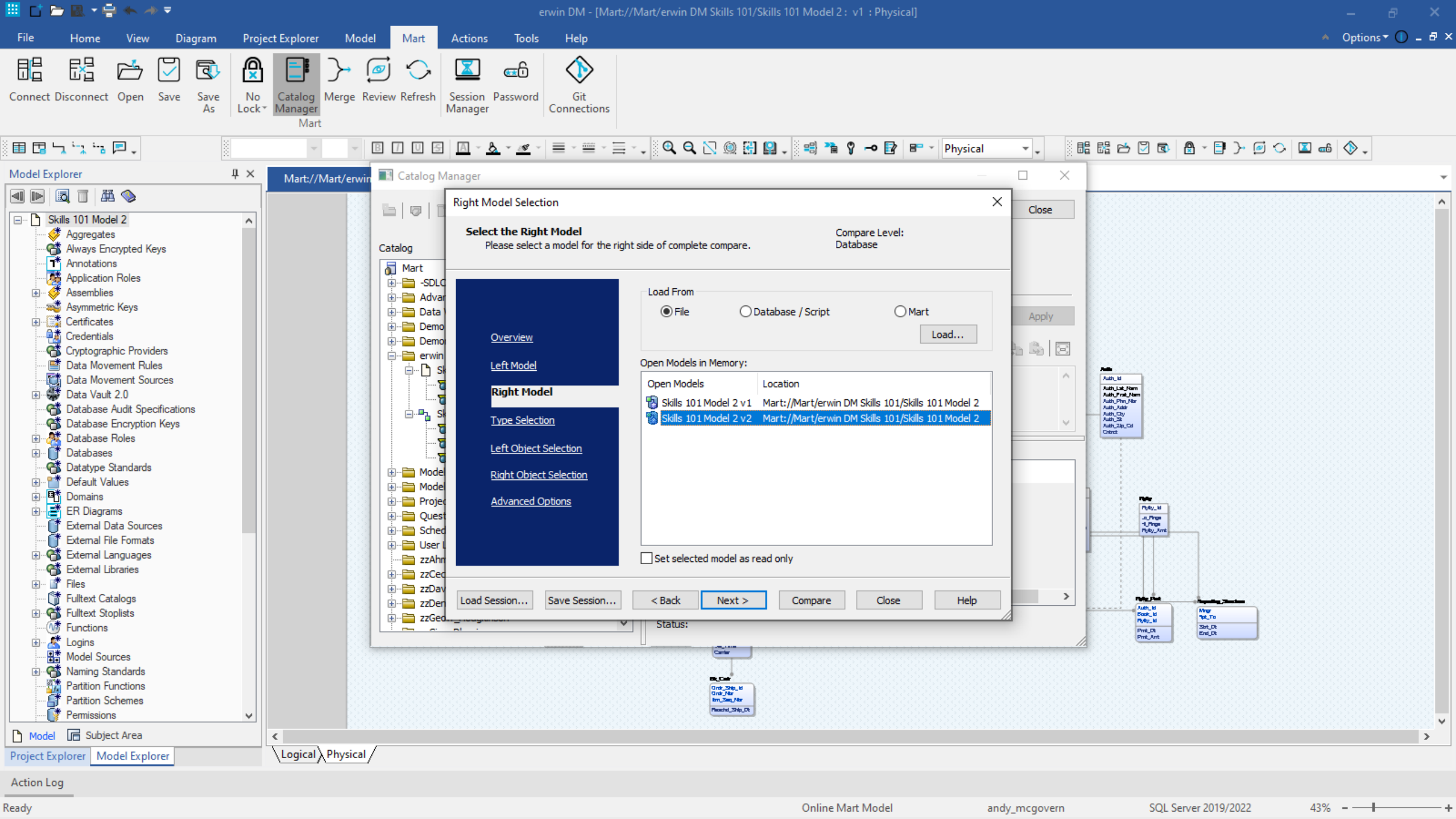
erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v1 : Physical]
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Skills 101 Model 2
Aggregates
Always Encrypted Keys
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Assemblies
Asymmetric Keys
Certificates
Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
Database Roles
Databases
Datatype Standards
Default Values
Domains
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External Data Sources
External File Formats
External Languages
External Libraries
Files
Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Model Sources
Naming Standards
Partition Functions
Partition Schemes
Permissions
Model
Subject Area
Project Explorer
Model Explorer
Catalog Manager
Close
Apply
Catalog
Mart
Status:
Right Model Selection
Select the Right Model
Please select a model for the right side of complete compare.
Compare Level:
Database
Overview
Left Model
Right Model
Type Selection
Left Object Selection
Right Object Selection
Advanced Options
Load From
File
Database / Script
Mart
Load...
Open Models in Memory:
Open Models
Location
Skills 101 Model 2 v1
Mart://Mart/erwin DM Skills 101/Skills 101 Model 2
Skills 101 Model 2 v2
Mart://Mart/erwin DM Skills 101/Skills 101 Model 2
Set selected model as read only
Load Session...
Save Session...
< Back
Next >
Compare
Close
Help
Logical
Physical
Action Log
Ready
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
43%

Resolve Differences

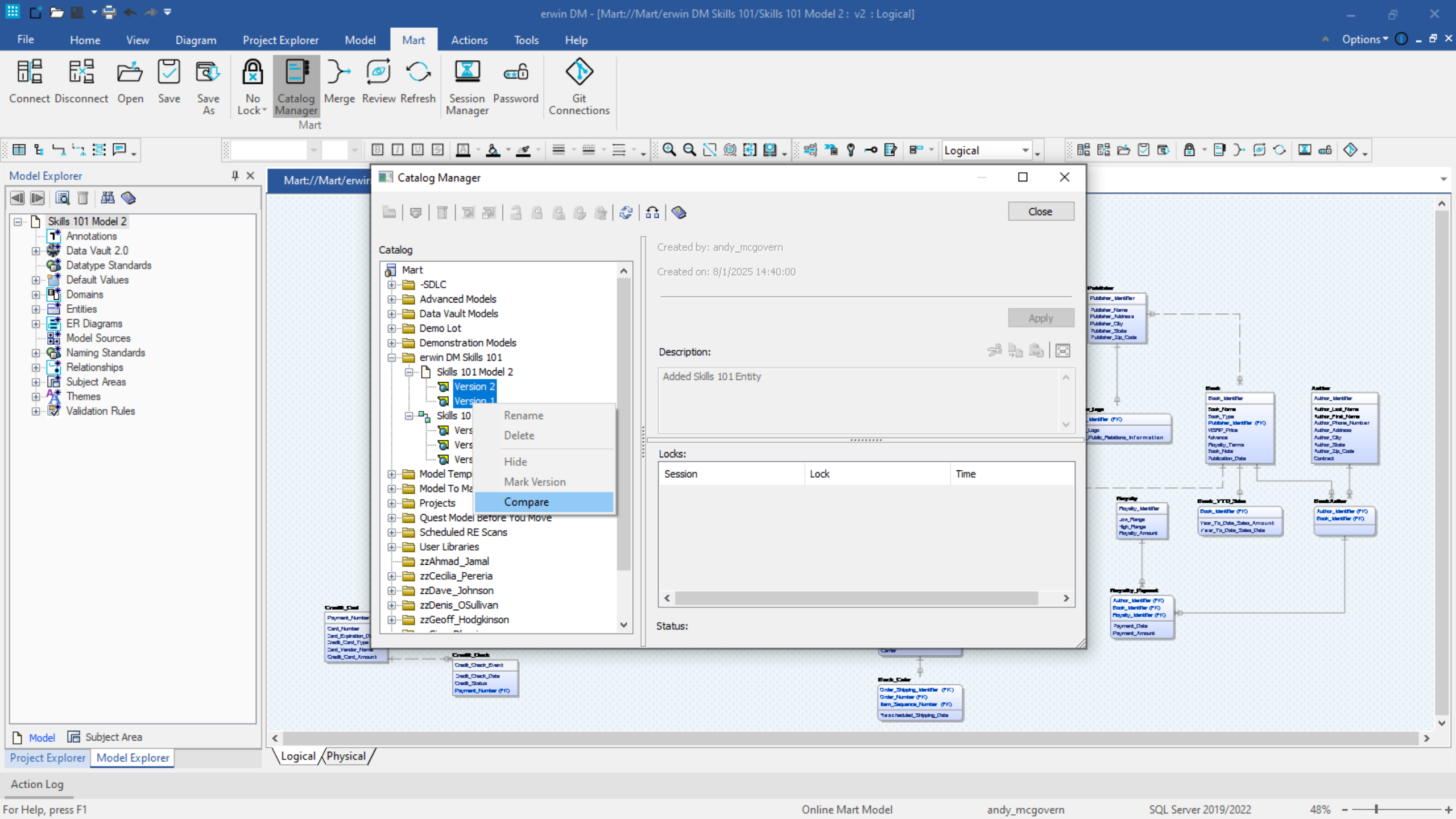
Show Report

| Object View | Skills 101 Model 2 v1 - Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 | Skills 101 Model 2 v2 - Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 |
|---|---|---|
| Model | Skills 101 Model 2 | Skills 101 Model 2 |
| Tables | | |
| Table | ≠ | SKILLS_101 |

| Property View | Skills 101 Model 2 v1 - Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 | Skills 101 Model 2 v2 - Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 |
|---|---|---|

Finish Cancel

Details...


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v2 : Logical]
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Session Manager
Password
Git Connections
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Logical
Model Explorer
Skills 101 Model 2
Annotations
Data Vault 2.0
Datatype Standards
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ER Diagrams
Model Sources
Naming Standards
Relationships
Subject Areas
Themes
Validation Rules
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Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
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zzDenis_OSullivan
zzGeoff_Hodgkinson
Rename
Delete
Hide
Mark Version
Compare
Created by: andy_mcgovern
Created on: 8/1/2025 14:40:00
Apply
Description:
Added Skills 101 Entity
Locks:
Session
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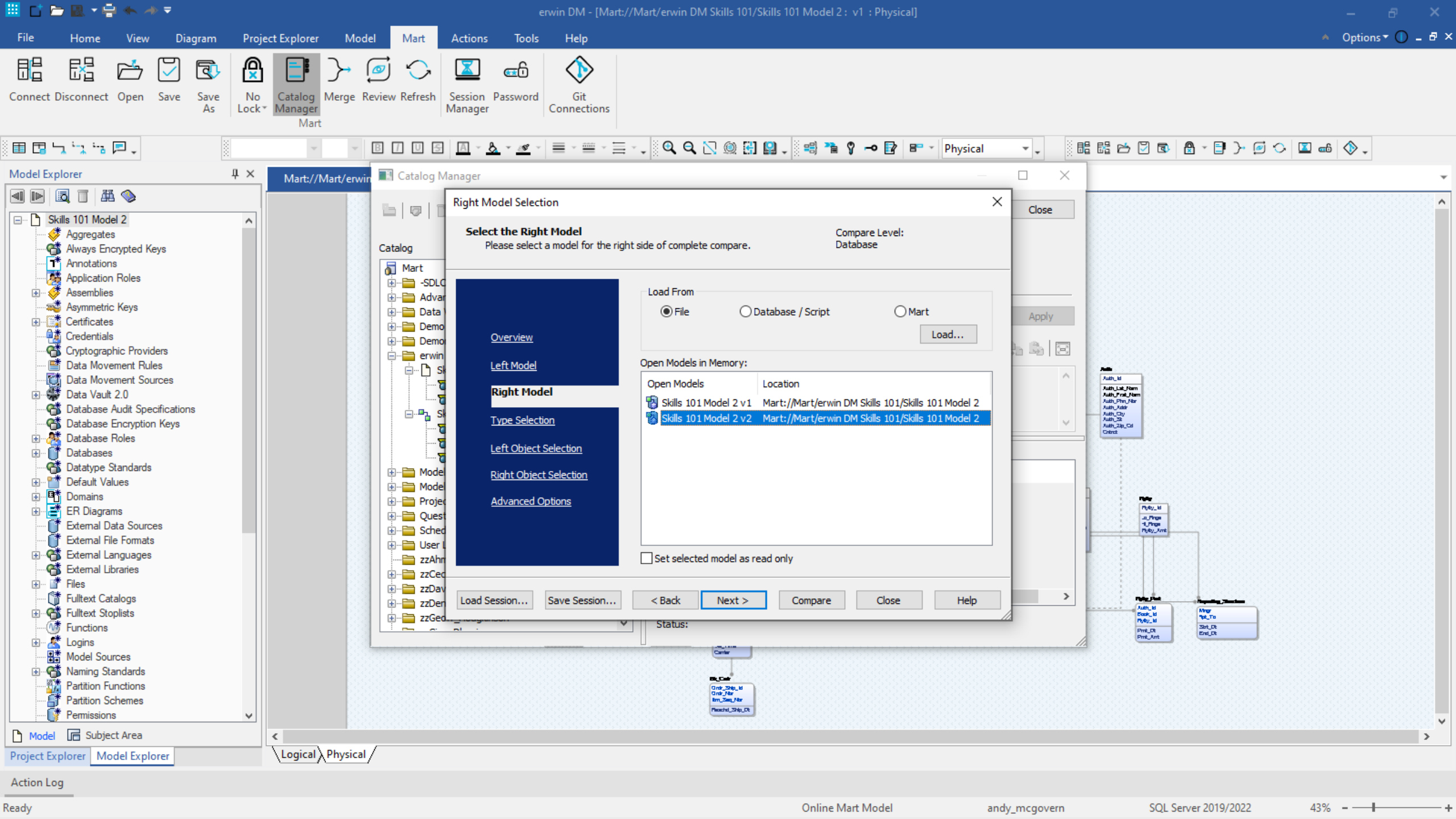
Time
Status:
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
48%


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v1 : Physical]
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Options
Connect
Disconnect
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Catalog Manager
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Session Manager
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Git Connections
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Model Explorer
Skills 101 Model 2
Aggregates
Always Encrypted Keys
Annotations
Application Roles
Assemblies
Asymmetric Keys
Certificates
Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
Data Vault 2.0
Database Audit Specifications
Database Encryption Keys
Database Roles
Databases
Datatype Standards
Default Values
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ER Diagrams
External Data Sources
External File Formats
External Languages
External Libraries
Files
Fulltext Catalogs
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Partition Functions
Partition Schemes
Permissions
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Subject Area
Project Explorer
Model Explorer
Catalog Manager
Close
Apply
Catalog
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Please select a model for the right side of complete compare.
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Left Model
Right Model
Type Selection
Left Object Selection
Right Object Selection
Advanced Options
Load From
File
Database / Script
Mart
Load...
Open Models in Memory:
Open Models
Location
Skills 101 Model 2 v1
Mart://Mart/erwin DM Skills 101/Skills 101 Model 2
Skills 101 Model 2 v2
Mart://Mart/erwin DM Skills 101/Skills 101 Model 2
Set selected model as read only
Load Session...
Save Session...
< Back
Next >
Compare
Close
Help
Logical
Physical
Action Log
Ready
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
43%

Resolve Differences

Show Report

| Object View | Skills 101 Model 2 v1 - Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 | Skills 101 Model 2 v2 - Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 |
|---|---|---|
| Model | Skills 101 Model 2 | Skills 101 Model 2 |
| Tables | | |
| Table | ≠ | SKILLS_101 |

| Property View | Skills 101 Model 2 v1 - Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 | Skills 101 Model 2 v2 - Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 |
|---|---|---|

Finish Cancel

Details...

# Using Active Model Templates

Model Templates | Table | View | Identifying | Non-Identifying | View/Materialized Rel. | Annotation | Toolbox | Drawing | Paste | Cut | Copy | Copy Neighborhood | Copy Family | Delete | Clipboard | Select | Go To... | Find | Replace | Editing | Hub | Link | Bridge | PIT | Reference | Satellite | Data Vault 2.0

- Template Information
- Bind Template...
- Refresh Template...
- Unbind Template...
- Define Filter...
- Synchronize on Model Load

Physical

Mart://Mart/erwin DM Skills 1...

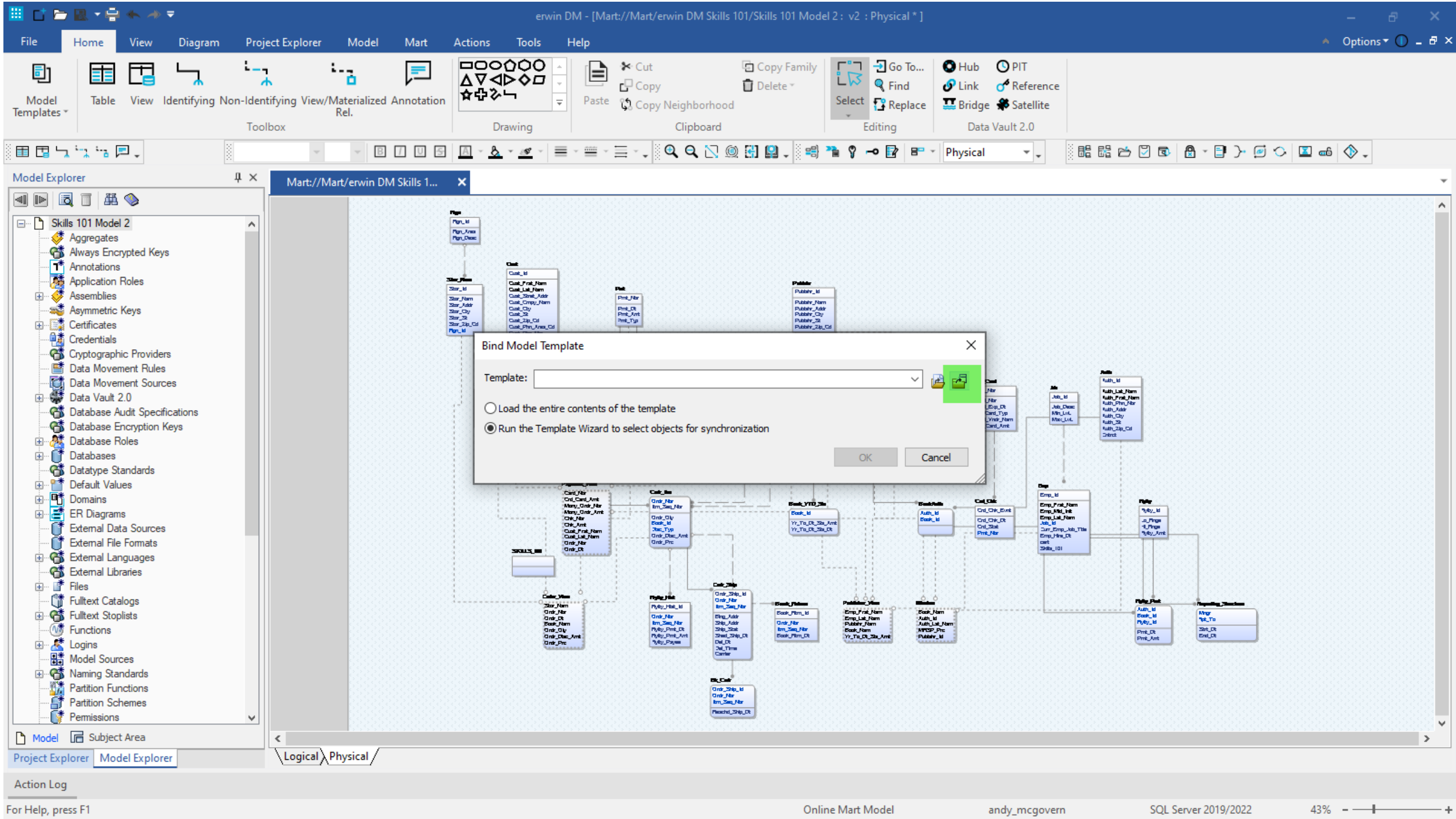
- Always Encrypted Keys
- Annotations
- Application Roles
- Assemblies
- Asymmetric Keys
- Certificates
- Credentials
- Cryptographic Providers
- Data Movement Rules
- Data Movement Sources
- Data Vault 2.0
- Database Audit Specifications
- Database Encryption Keys
- Database Roles
- Databases
- Datatype 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
- Naming Standards
- Partition Functions
- Partition Schemes
- Permissions

Model | Subject Area

Project Explorer | Model Explorer

Logical | Physical

Action Log


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v2 : Physical * ]
File
Home
View
Diagram
Project Explorer
Model
Mart
Actions
Tools
Help
Options
Model Templates
Table
View
Identifying
Non-Identifying
View/Materialized Rel.
Annotation
Toolbox
Drawing
Paste
Cut
Copy
Copy Neighborhood
Copy Family
Delete
Clipboard
Select
Go To...
Find
Replace
Editing
Hub
Link
Bridge
PIT
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Satellite
Data Vault 2.0
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Skills 101 Model 2
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Annotations
Application Roles
Assemblies
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Credentials
Cryptographic Providers
Data Movement Rules
Data Movement Sources
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Database Roles
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Domains
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External Languages
External Libraries
Files
Fulltext Catalogs
Fulltext Stoplists
Functions
Logins
Model Sources
Naming Standards
Partition Functions
Partition Schemes
Permissions
Model
Subject Area
Project Explorer
Model Explorer
Mart://Mart/erwin DM Skills 1...
Bind Model Template
Template:
Load the entire contents of the template
Run the Template Wizard to select objects for synchronization
OK
Cancel
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
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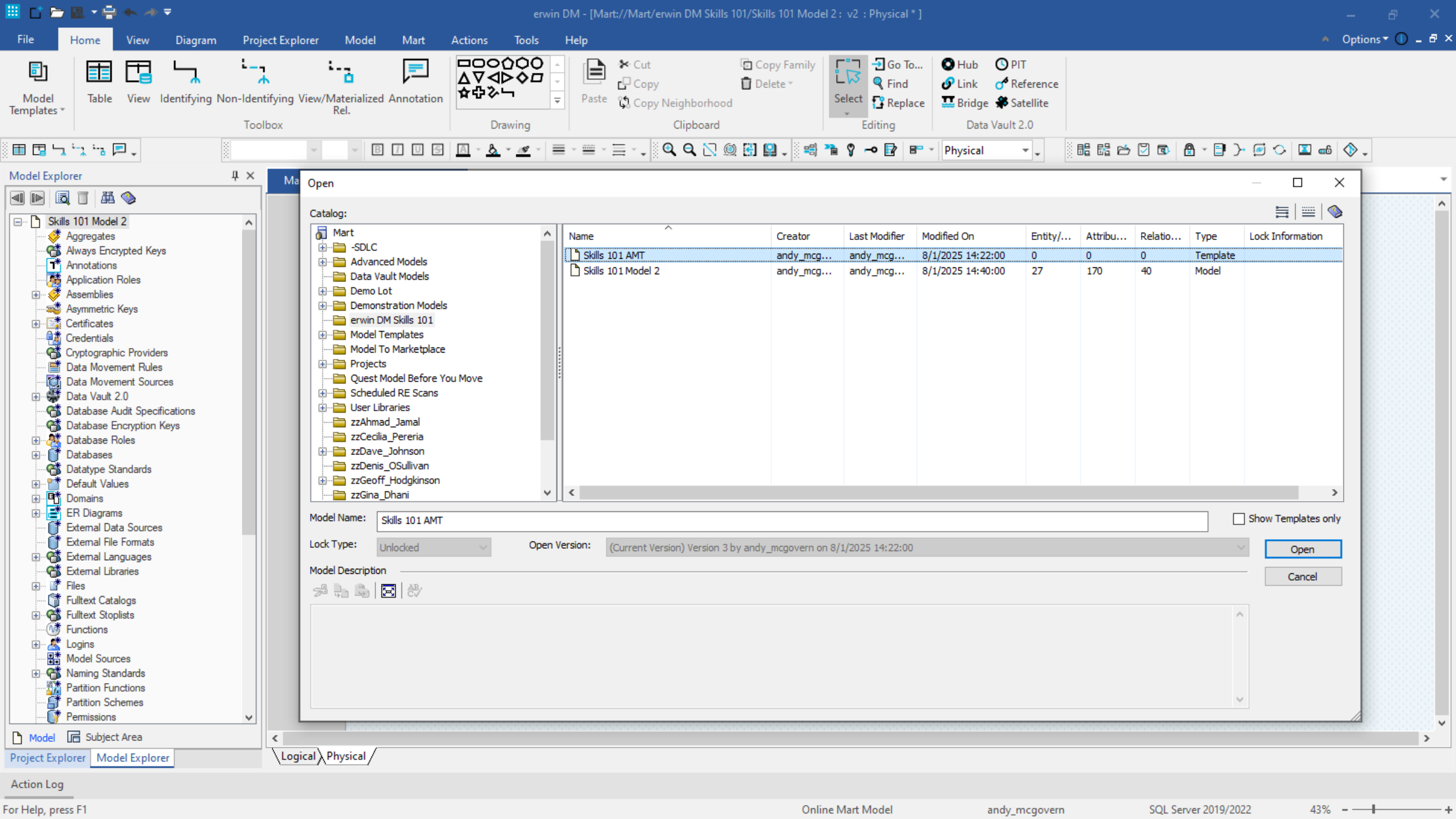
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-SDLC
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Data Vault Models
Demo Lot
Demonstration Models
erwin DM Skills 101
Model Templates
Model To Marketplace
Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
zzGina_Dhani
Name
Creator
Last Modifier
Modified On
Entity/...
Attribu...
Relatio...
Type
Lock Information
Skills 101 AMT
andy_mcg...
andy_mcg...
8/1/2025 14:22:00
0
0
0
Template
Skills 101 Model 2
andy_mcg...
andy_mcg...
8/1/2025 14:40:00
27
170
40
Model
Model Name:
Skills 101 AMT
Show Templates only
Lock Type:
Unlocked
Open Version:
(Current Version) Version 3 by andy_mcgovern on 8/1/2025 14:22:00
Open
Cancel
Model Description
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
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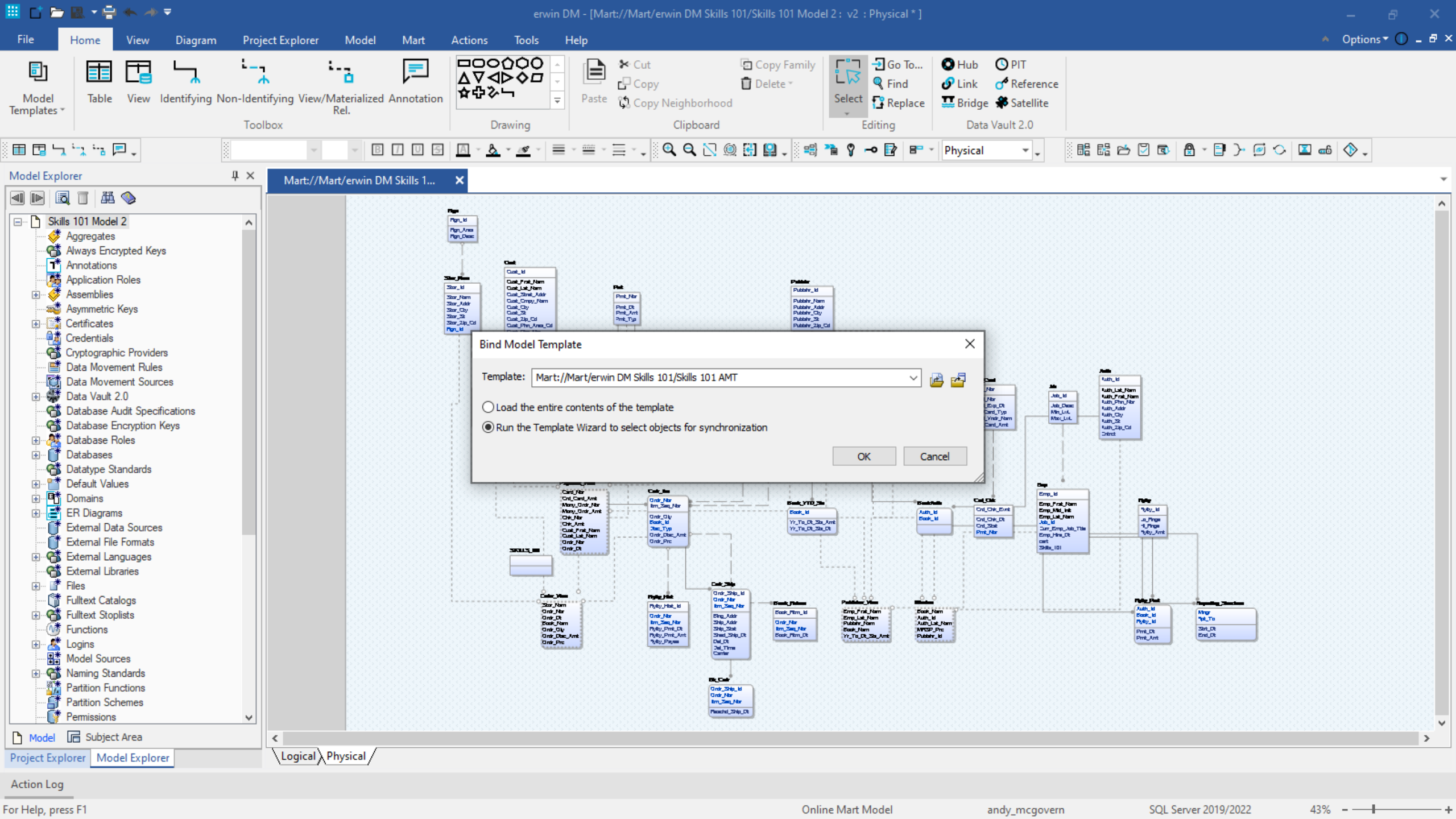
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Functions
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Partition Functions
Partition Schemes
Permissions
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Mart://Mart/erwin DM Skills 1...
Bind Model Template
Template:
Mart://Mart/erwin DM Skills 101/Skills 101 AMT
Load the entire contents of the template
Run the Template Wizard to select objects for synchronization
OK
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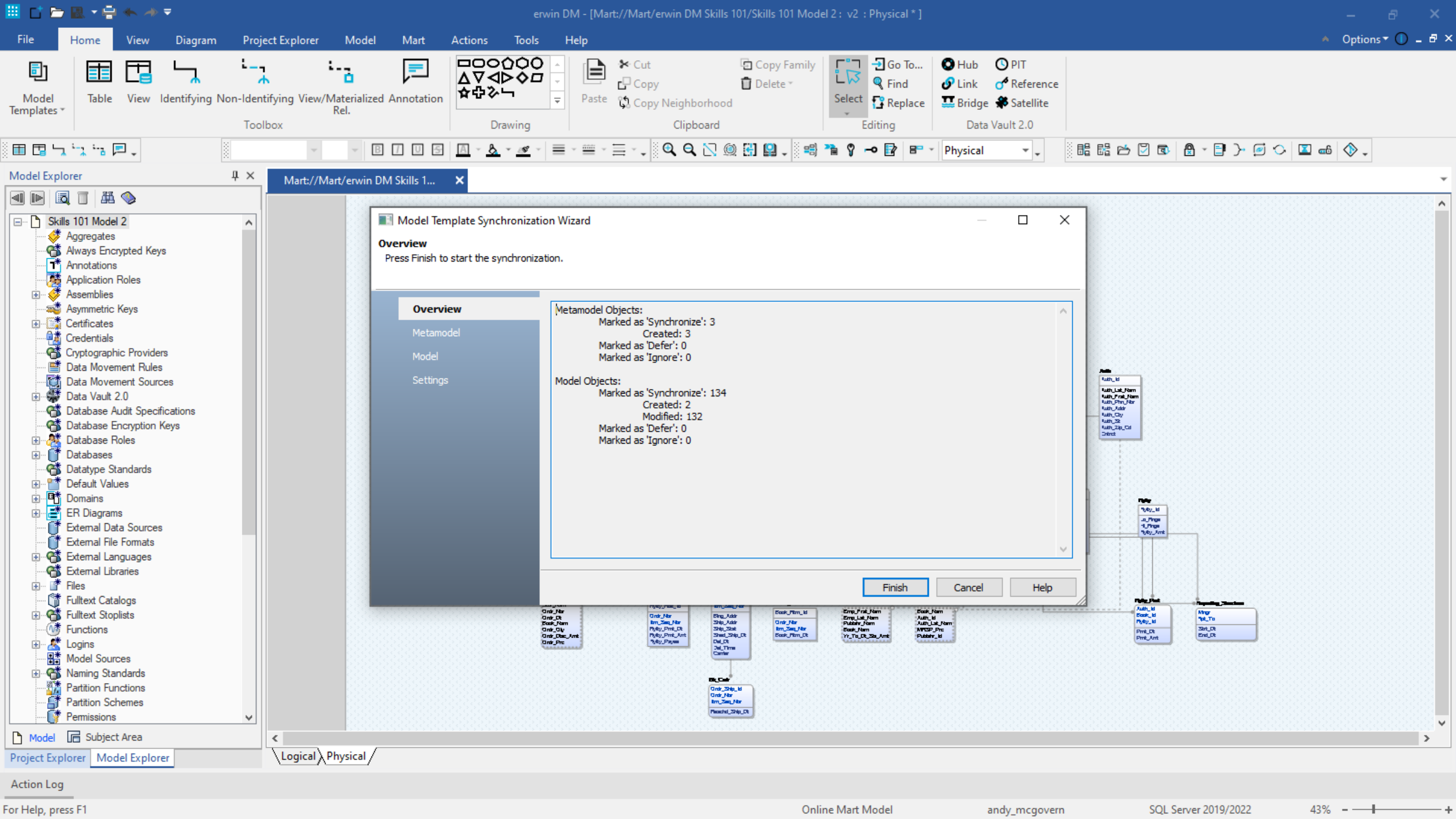
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Mart://Mart/erwin DM Skills 1...
Model Template Synchronization Wizard
Overview
Press Finish to start the synchronization.
Overview
Metamodel
Model
Settings
Metamodel Objects:
Marked as 'Synchronize': 3
Created: 3
Marked as 'Defer': 0
Marked as 'Ignore': 0
Model Objects:
Marked as 'Synchronize': 134
Created: 2
Modified: 132
Marked as 'Defer': 0
Marked as 'Ignore': 0
Finish
Cancel
Help
Logical
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Action Log
For Help, press F1
Online Mart Model
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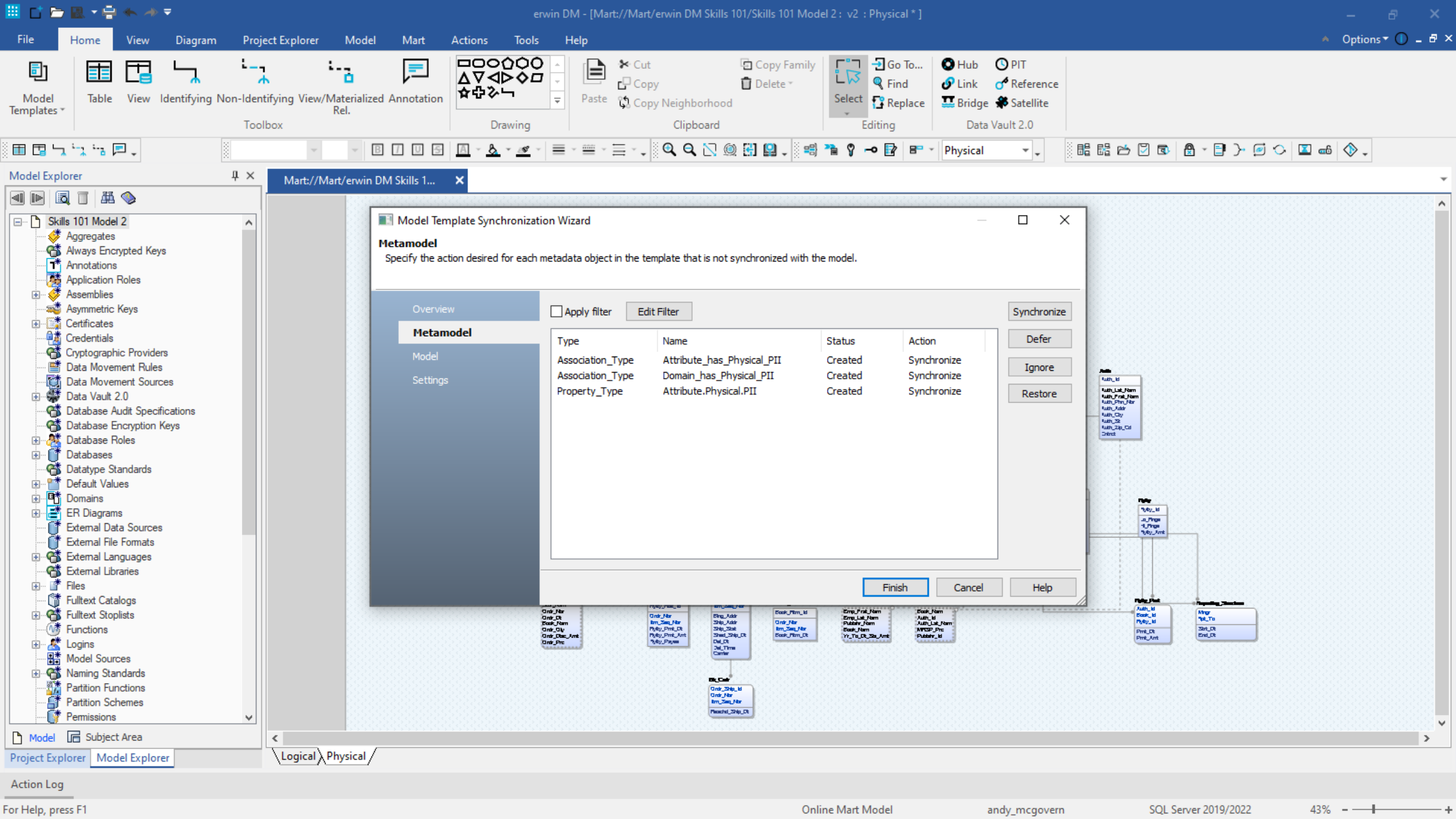
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Mart://Mart/erwin DM Skills 1...
Model Template Synchronization Wizard
Metamodel
Specify the action desired for each metadata object in the template that is not synchronized with the model.
Overview
Metamodel
Model
Settings
Apply filter
Edit Filter
Synchronize
Defer
Ignore
Restore
Type
Name
Status
Action
Association_Type
Attribute_has_Physical_PII
Created
Synchronize
Association_Type
Domain_has_Physical_PII
Created
Synchronize
Property_Type
Attribute.Physical.PII
Created
Synchronize
Finish
Cancel
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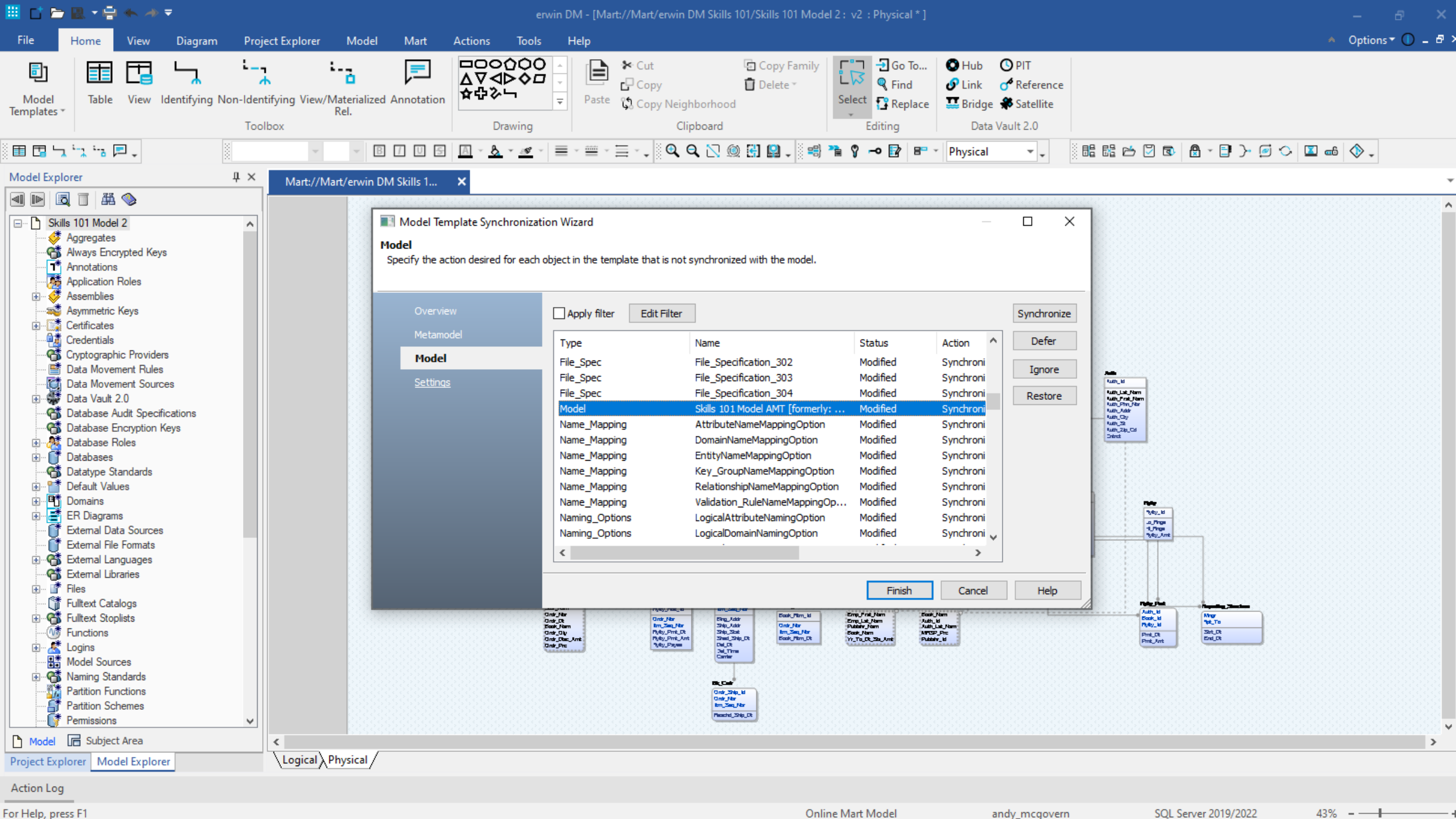
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Model Template Synchronization Wizard
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Specify the action desired for each object in the template that is not synchronized with the model.
Overview
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Edit Filter
Synchronize
Defer
Ignore
Restore
Type
Name
Status
Action
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Modified
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File_Spec
File_Specification_303
Modified
Synchroni
File_Spec
File_Specification_304
Modified
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Model
Skills 101 Model AMT [formerly: ...
Modified
Synchroni
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AttributeNameMappingOption
Modified
Synchroni
Name_Mapping
DomainNameMappingOption
Modified
Synchroni
Name_Mapping
EntityNameMappingOption
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Synchroni
Name_Mapping
Key_GroupNameMappingOption
Modified
Synchroni
Name_Mapping
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LogicalAttributeNamingOption
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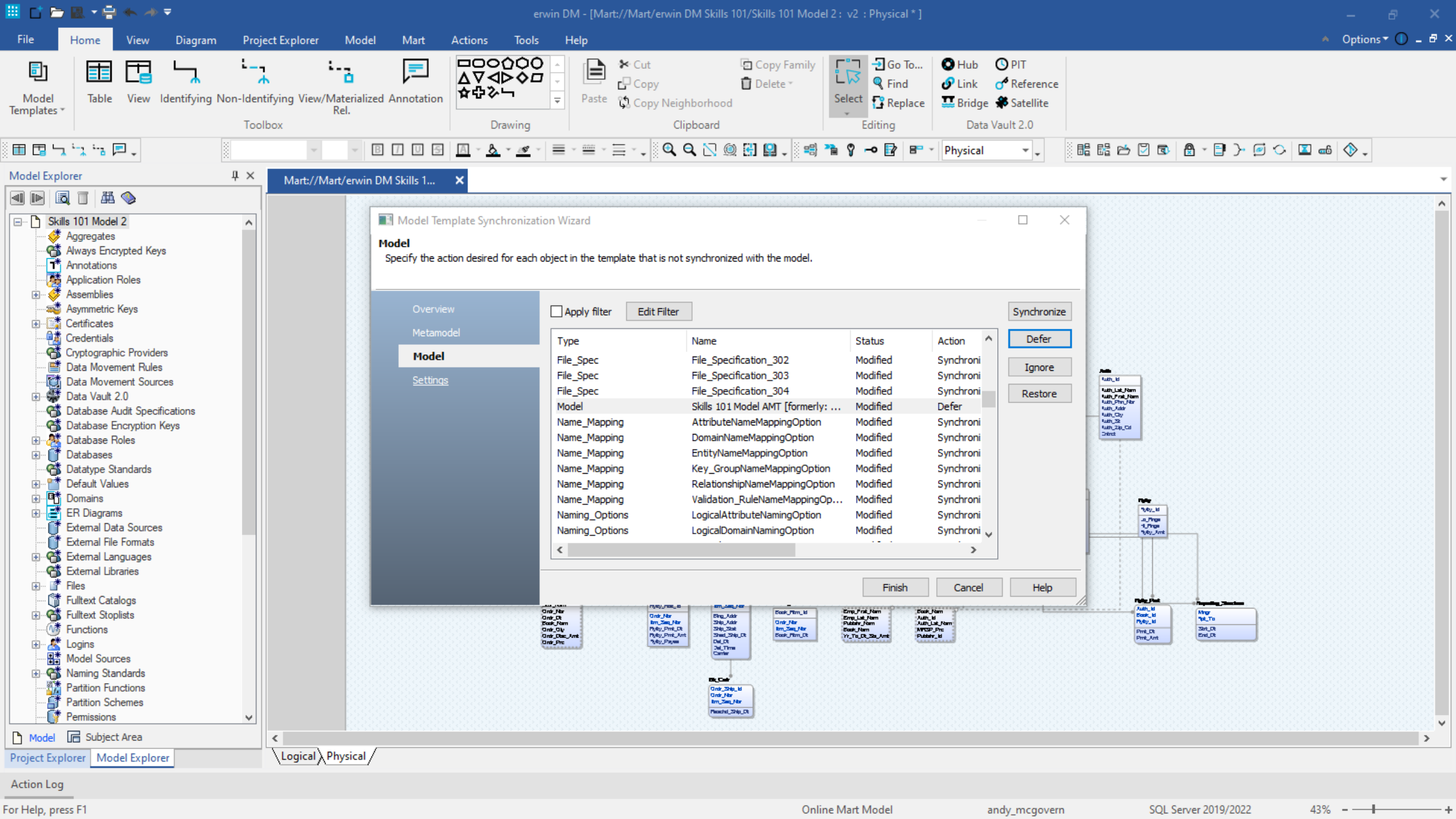
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Model Template Synchronization Wizard
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Specify the action desired for each object in the template that is not synchronized with the model.
Overview
Metamodel
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Apply filter
Edit Filter
Synchronize
Defer
Ignore
Restore
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Skills 101 Model AMT [formerly: ...
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AttributeNameMappingOption
Modified
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DomainNameMappingOption
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Name_Mapping
Key_GroupNameMappingOption
Modified
Synchroni
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RelationshipNameMappingOption
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Name_Mapping
Validation_RuleNameMappingOp...
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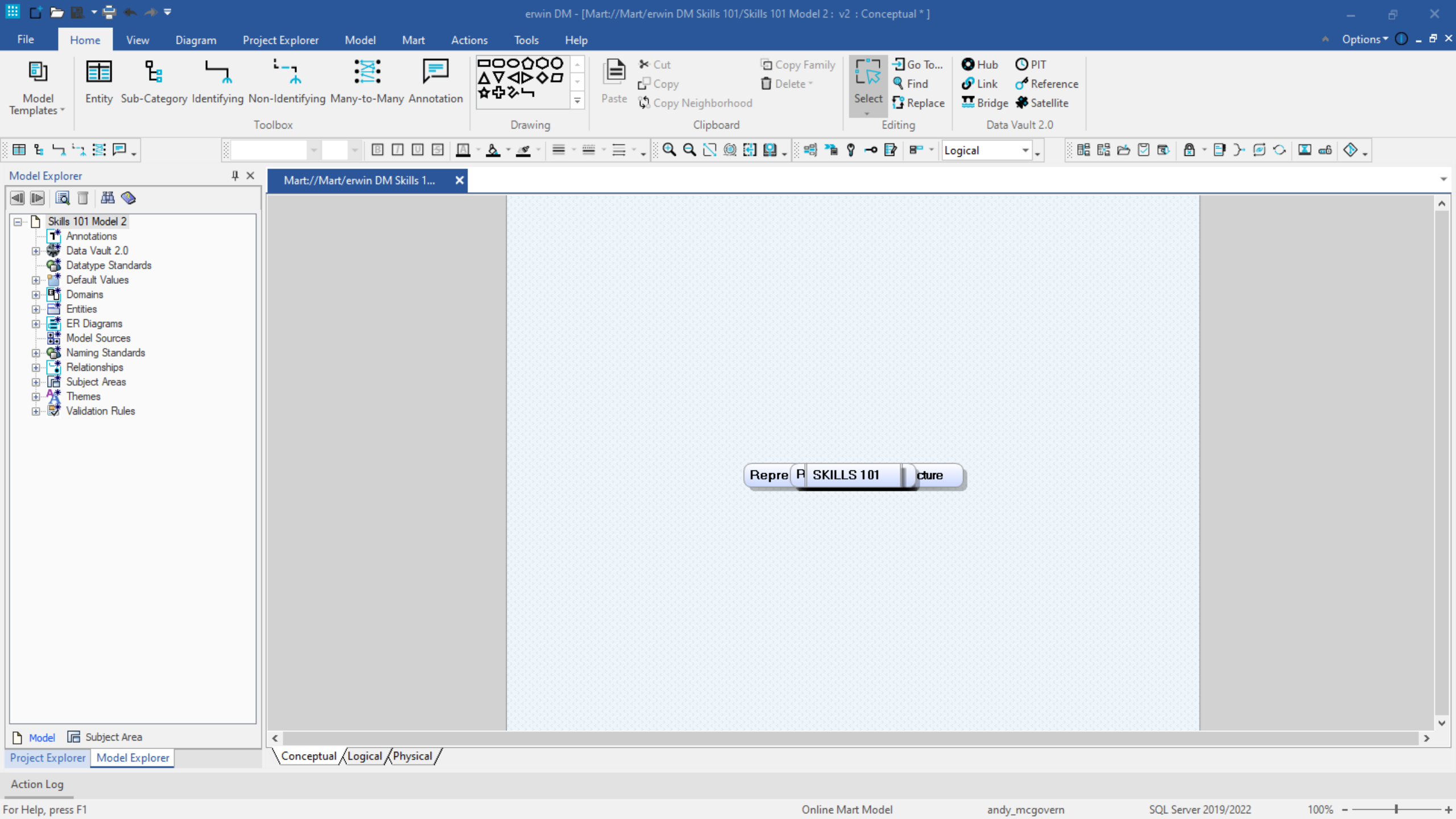
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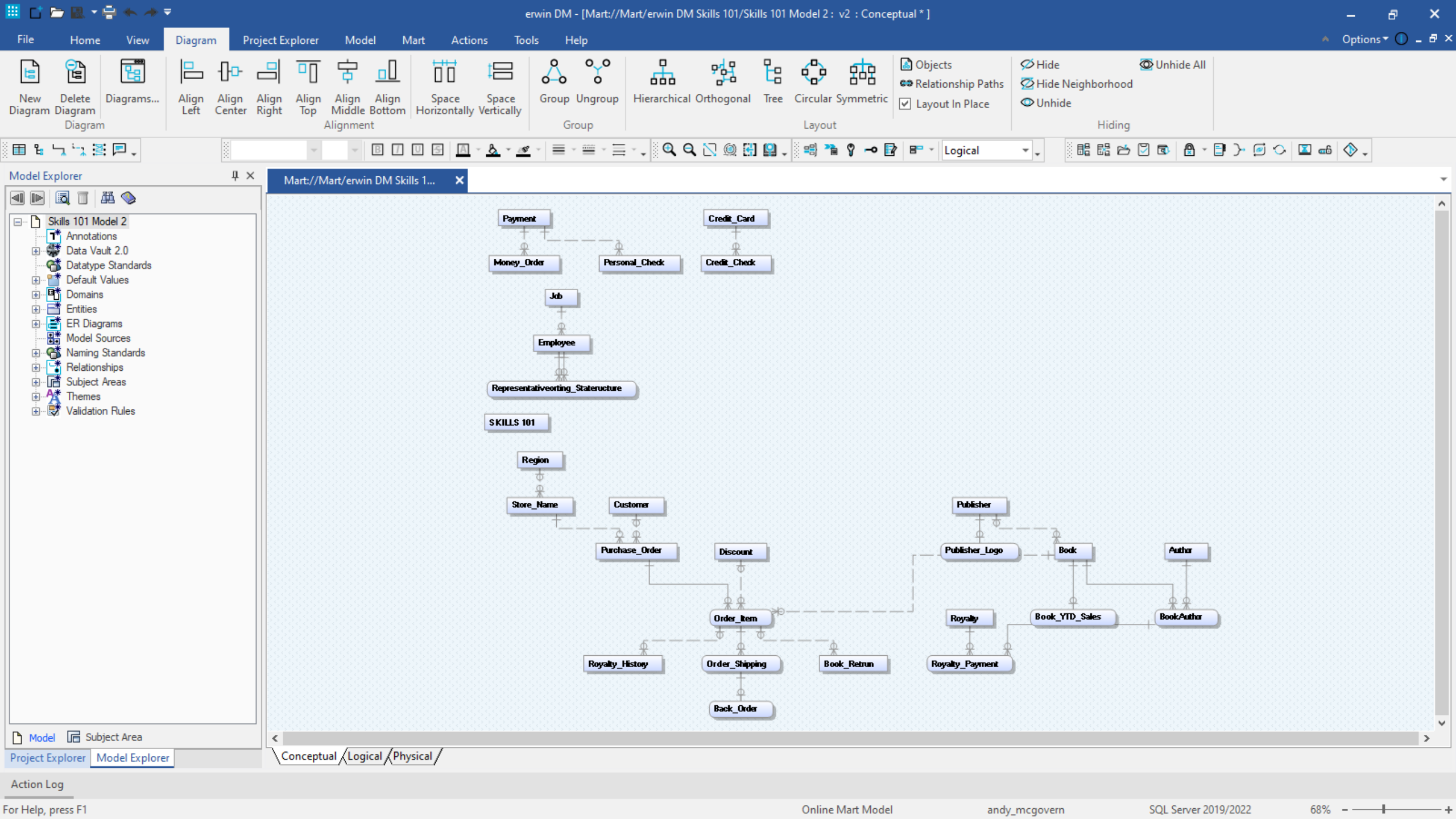
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Align Top
Align Middle
Align Bottom
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Space Vertically
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Ungroup
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Orthogonal
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Credit_Check
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Customer
Publisher
Purchase_Order
Discount
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Royalty
Book_YTD_Sales
BookAuthor
Royalty_History
Order_Shipping
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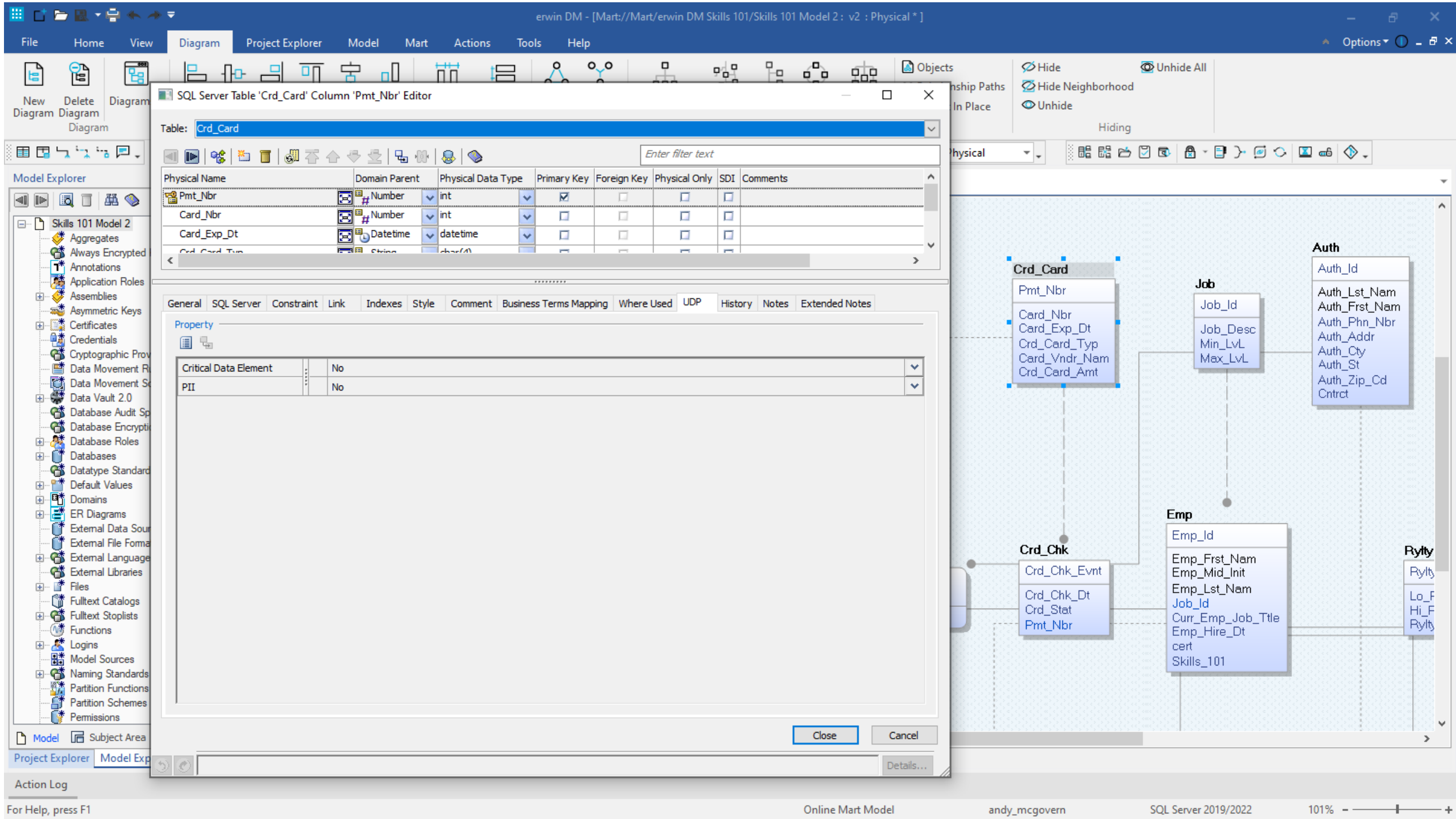
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Unhide All
Hiding
SQL Server Table 'Crd_Card' Column 'Pmt_Nbr' Editor
Table: Crd_Card
Enter filter text
Physical Name
Domain Parent
Physical Data Type
Primary Key
Foreign Key
Physical Only
SDI
Comments
Pmt_Nbr
Number
int
Card_Nbr
Number
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Card_Exp_Dt
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Comment
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Crd_Card_Amt
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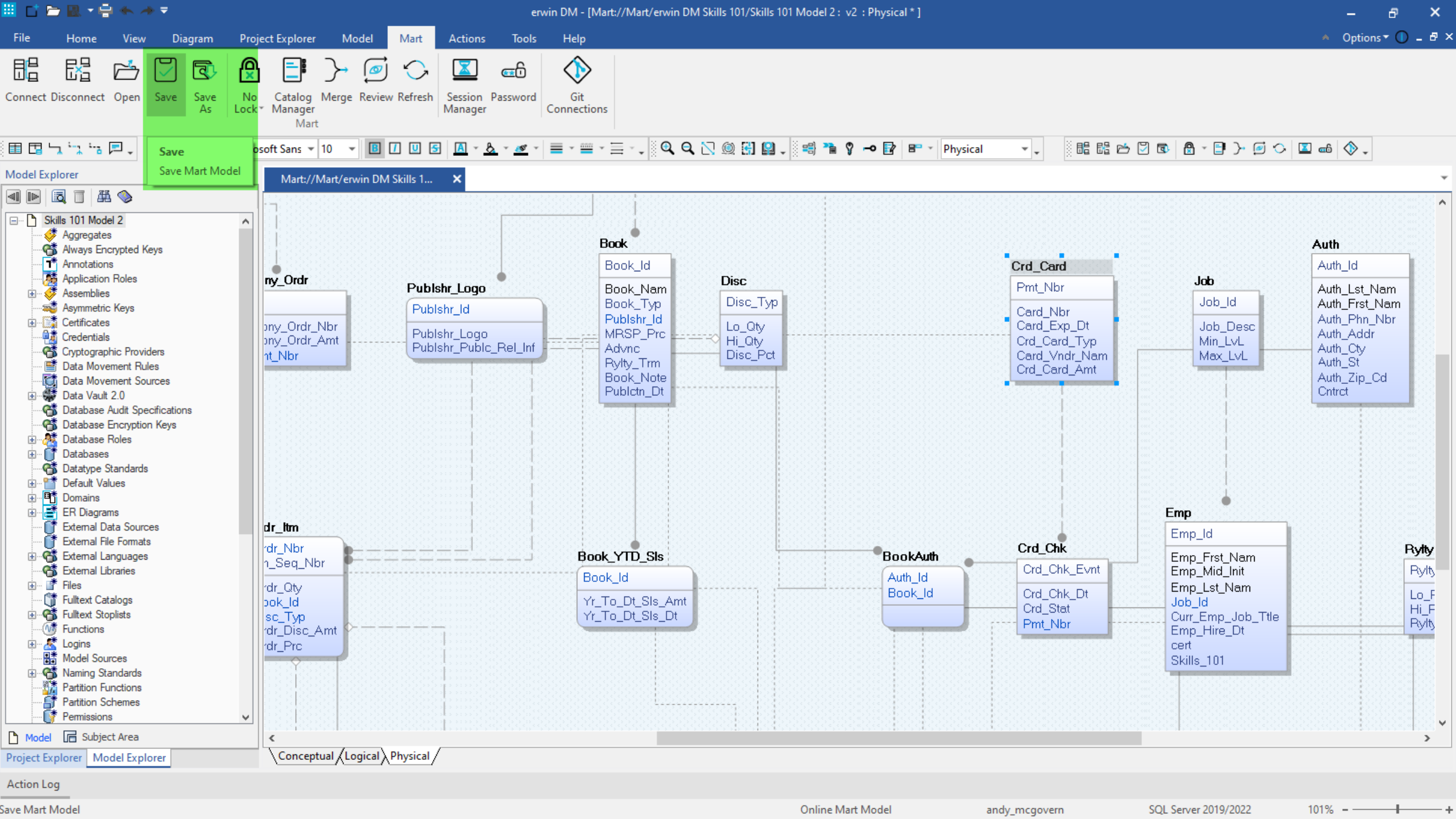
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Lo_Qty
Hi_Qty
Disc_Pct
Crd_Card
Pmt_Nbr
Card_Nbr
Card_Exp_Dt
Crd_Card_Typ
Card_Vndr_Nam
Crd_Card_Amt
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Auth_Frst_Nam
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Auth_Cty
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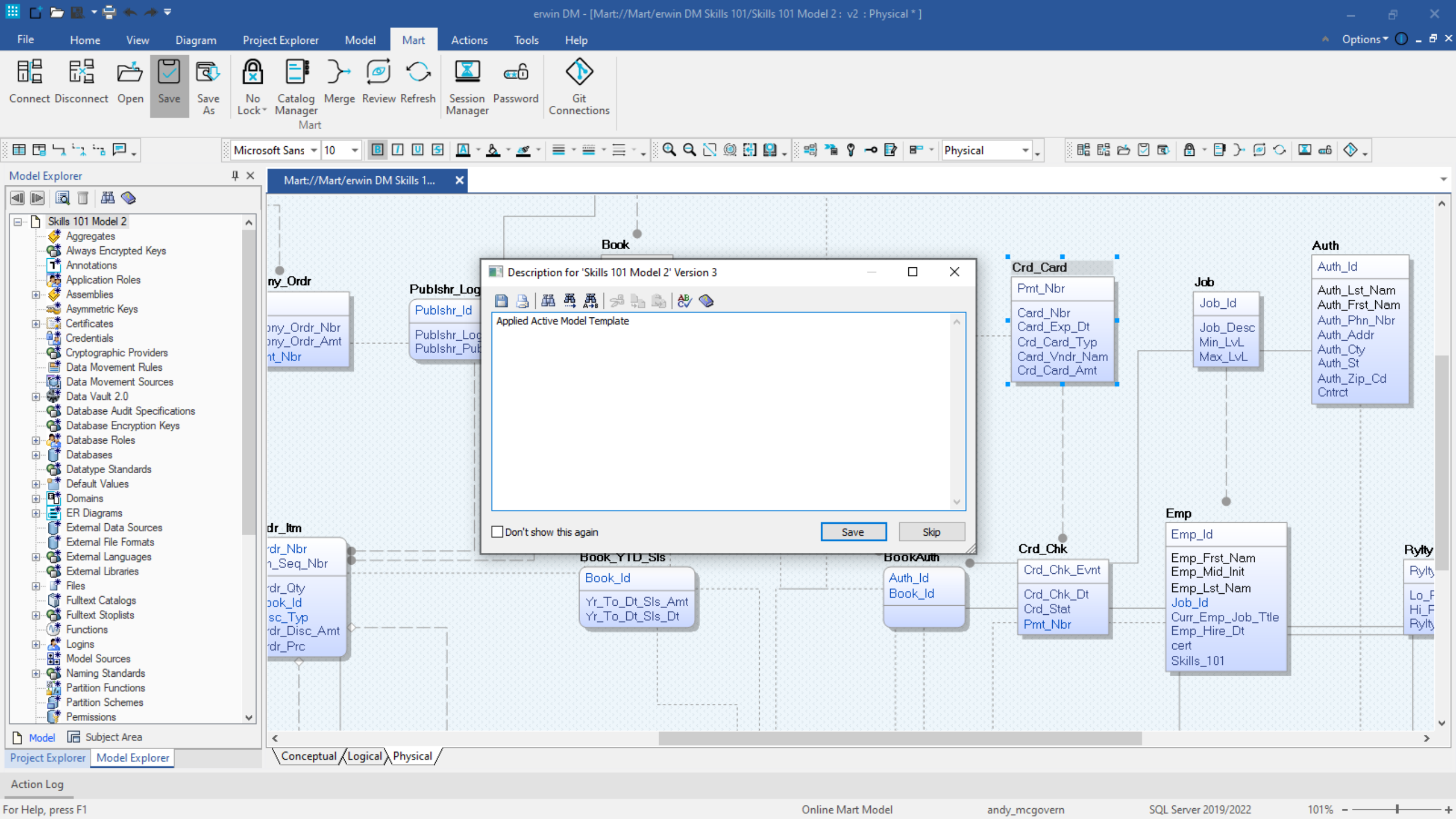
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Merge
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Refresh
Session Manager
Password
Git Connections
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Microsoft Sans
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Physical
Model Explorer
Skills 101 Model 2
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Always Encrypted Keys
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Subject Area
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Model Explorer
Mart://Mart/erwin DM Skills 1...
Description for 'Skills 101 Model 2' Version 3
Applied Active Model Template
Don't show this again
Save
Skip
Book
Publshr_Log
Publshr_Id
Crd_Card
Pmt_Nbr
Card_Nbr
Card_Exp_Dt
Crd_Card_Typ
Card_Vndr_Nam
Crd_Card_Amt
Job
Job_Id
Job_Desc
Min_LvL
Max_LvL
Auth
Auth_Id
Auth_Lst_Nam
Auth_Frst_Nam
Auth_Phn_Nbr
Auth_Addr
Auth_Cty
Auth_St
Auth_Zip_Cd
Cntrct
Book_YTD_Sls
Book_Id
Yr_To_Dt_Sls_Amt
Yr_To_Dt_Sls_Dt
BookAuth
Auth_Id
Book_Id
Crd_Chk
Crd_Chk_Evnt
Crd_Chk_Dt
Crd_Stat
Pmt_Nbr
Emp
Emp_Id
Emp_Frst_Nam
Emp_Mid_Init
Emp_Lst_Nam
Job_Id
Curr_Emp_Job_Ttle
Emp_Hire_Dt
cert
Skills_101
Conceptual
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
101%

Connect Disconnect Open Save Save As No Lock Catalog Manager Merge Review Refresh Session Manager Password Git Connections

Mart

Physical

Model Explorer

- Skills 101 Model 2
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  - Always Encrypted Keys
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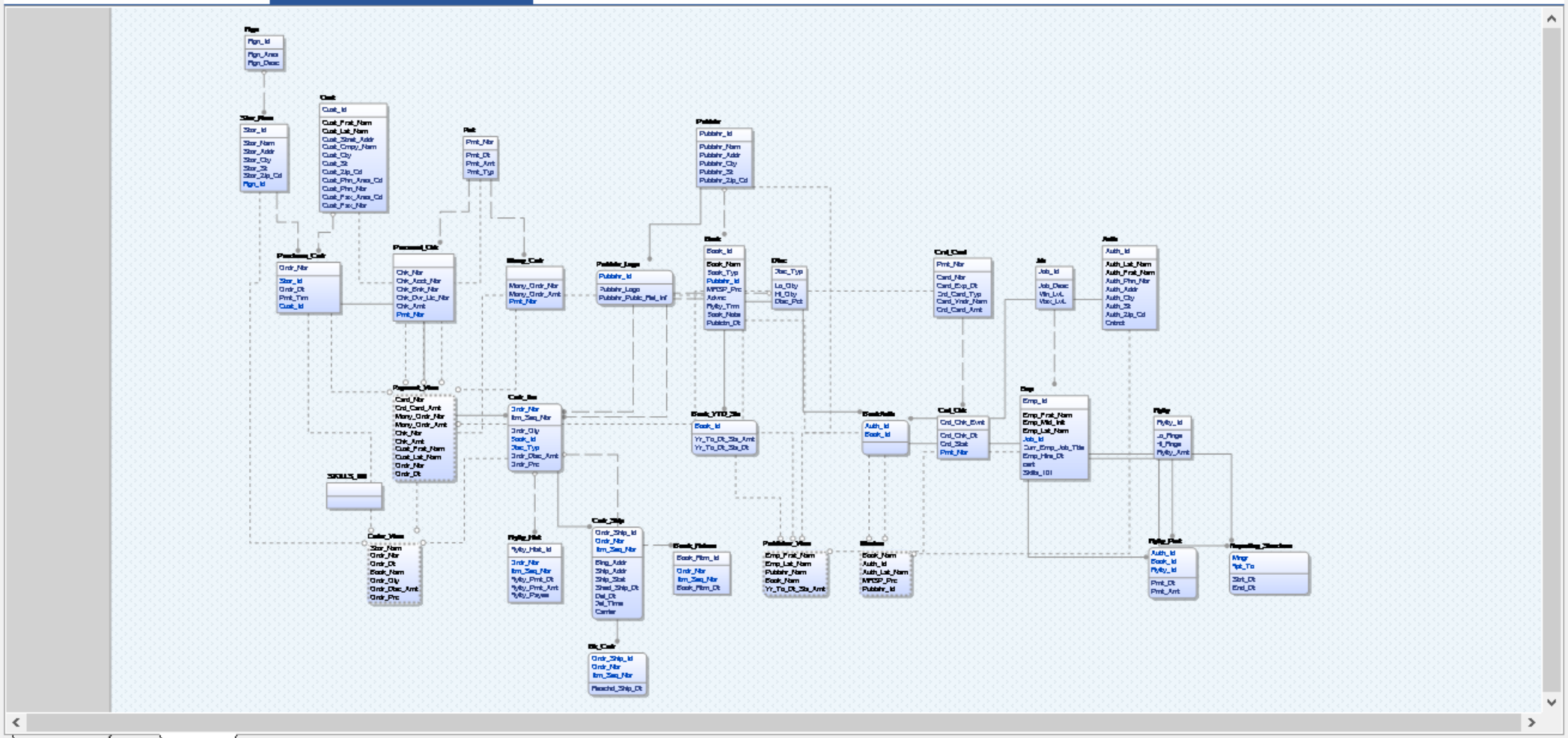
  - Naming Standards
  - Partition Functions
  - Partition Schemes
  - Permissions

Model Subject Area

Mart://Mart/erwin DM Skills 1...

Mart://Mart/erwin DM Skills 1...



Conceptual Logical Physical

Project Explorer Model Explorer

Action Log

# Changing the Target Database

Transformations | Complete Compare | Manage Snapshots | Design Layers | Target Database | Database Connection | Reverse Engineer | Reverse Engineer Configuration | Schema... | Alter Script... | Check Model | Templates... | Hierarchical View | Embedded View

Database | Forward Engineer

**Target Database**
Select the target database for the model

Physical

Model Explorer

- Skills 101 Model 2
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  - Always Encrypted Keys
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  - Application Roles
  - Assemblies
  - Asymmetric Keys
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  - Cryptographic Providers
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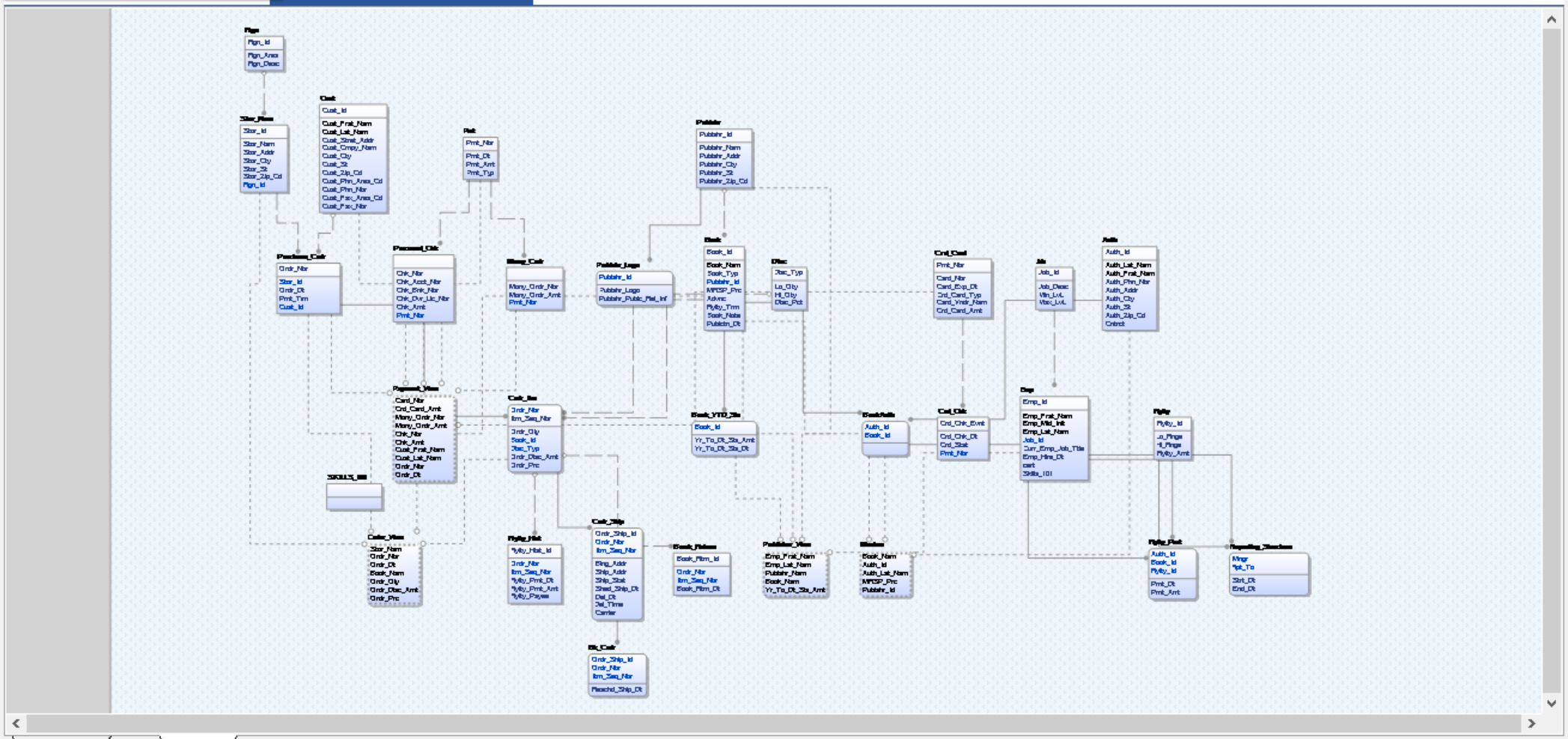
  - Naming Standards
  - Partition Functions
  - Partition Schemes
  - Permissions

Model | Subject Area

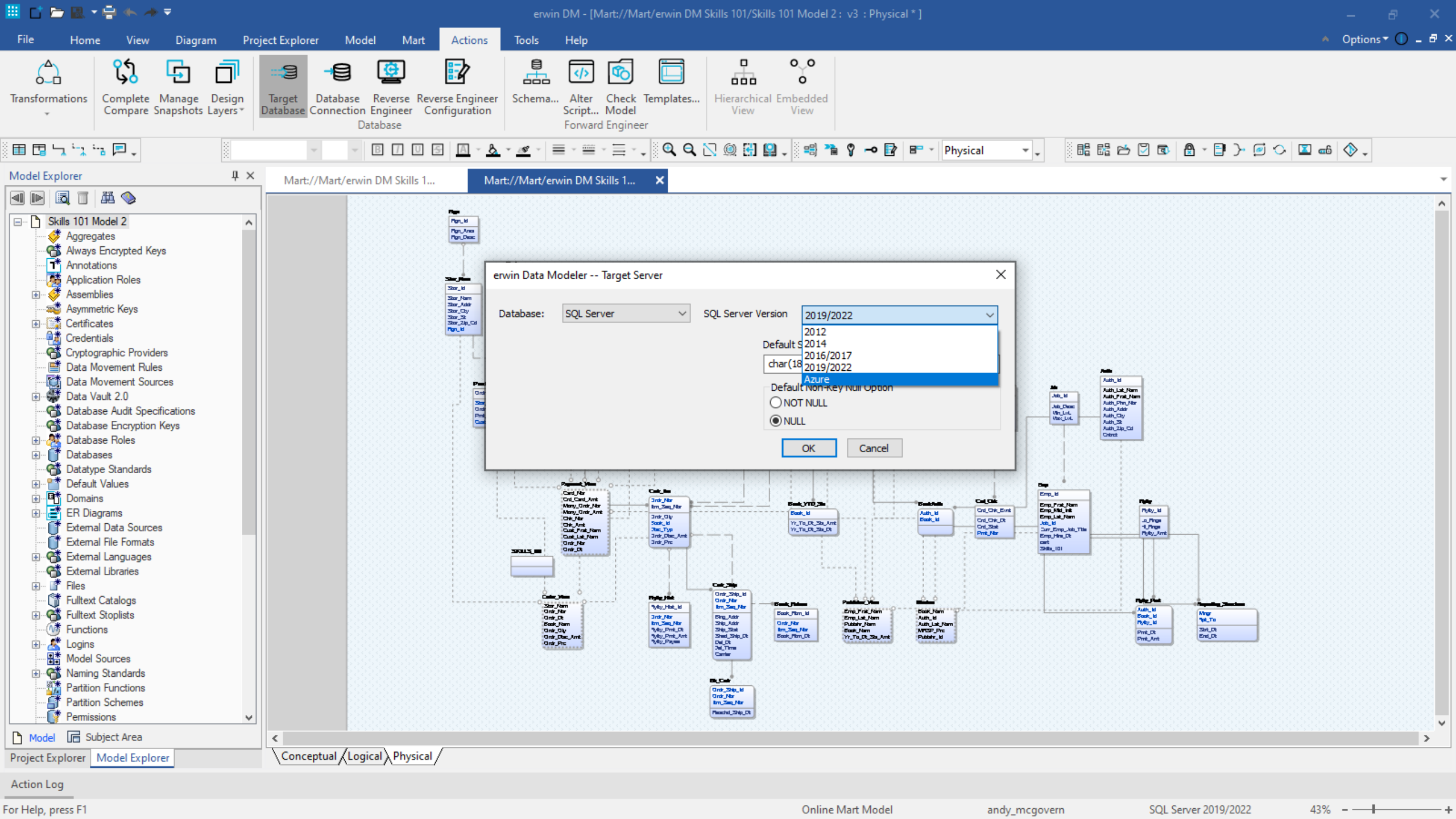
Project Explorer | Model Explorer

Mart://Mart/erwin DM Skills 1...



Conceptual | Logical | Physical

Action Log


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v3 : Physical * ]
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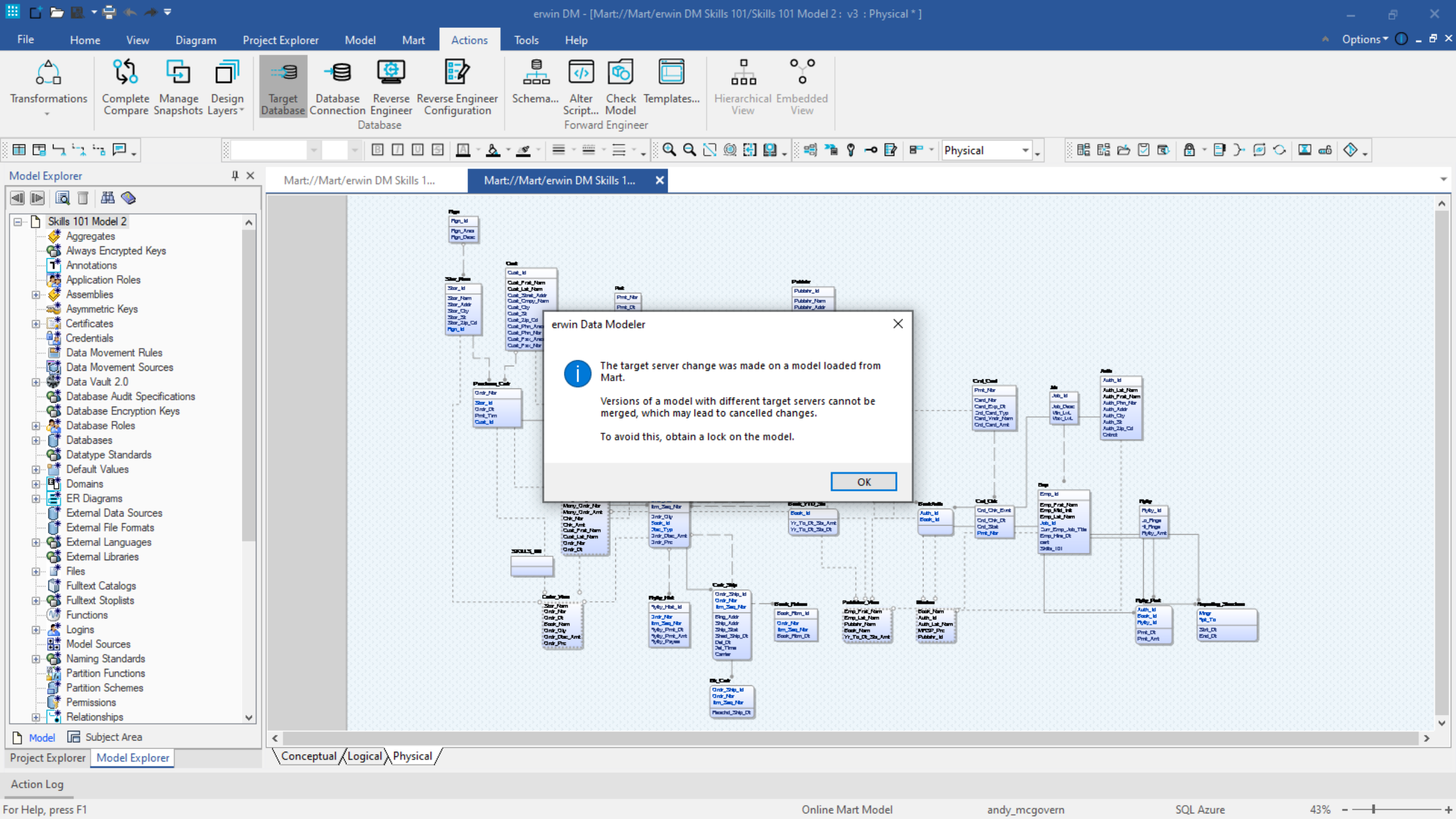
Mart://Mart/erwin DM Skills 1...
Mart://Mart/erwin DM Skills 1...
erwin Data Modeler -- Target Server
Database:
SQL Server
SQL Server Version
2019/2022
2012
2014
2016/2017
2019/2022
Azure
Default S
char(18
Default Non-Key Null Option
NOT NULL
NULL
OK
Cancel
Conceptual
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Server 2019/2022
43%


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v3 : Physical * ]
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Reverse Engineer Configuration
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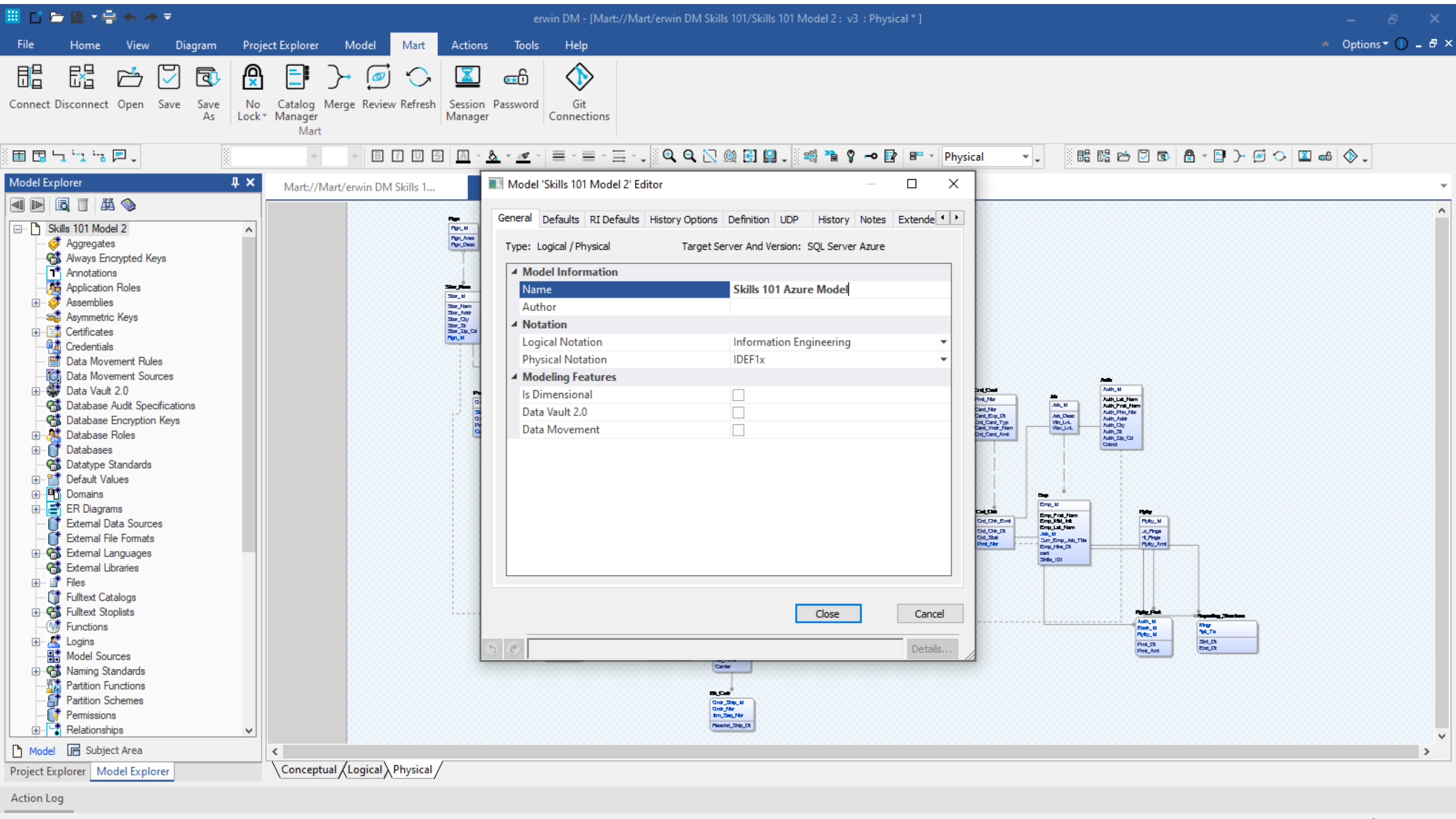
Mart://Mart/erwin DM Skills 1...
Mart://Mart/erwin DM Skills 1...
erwin Data Modeler
The target server change was made on a model loaded from Mart.
Versions of a model with different target servers cannot be merged, which may lead to cancelled changes.
To avoid this, obtain a lock on the model.
OK
Conceptual
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Azure
43%


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v3 : Physical * ]
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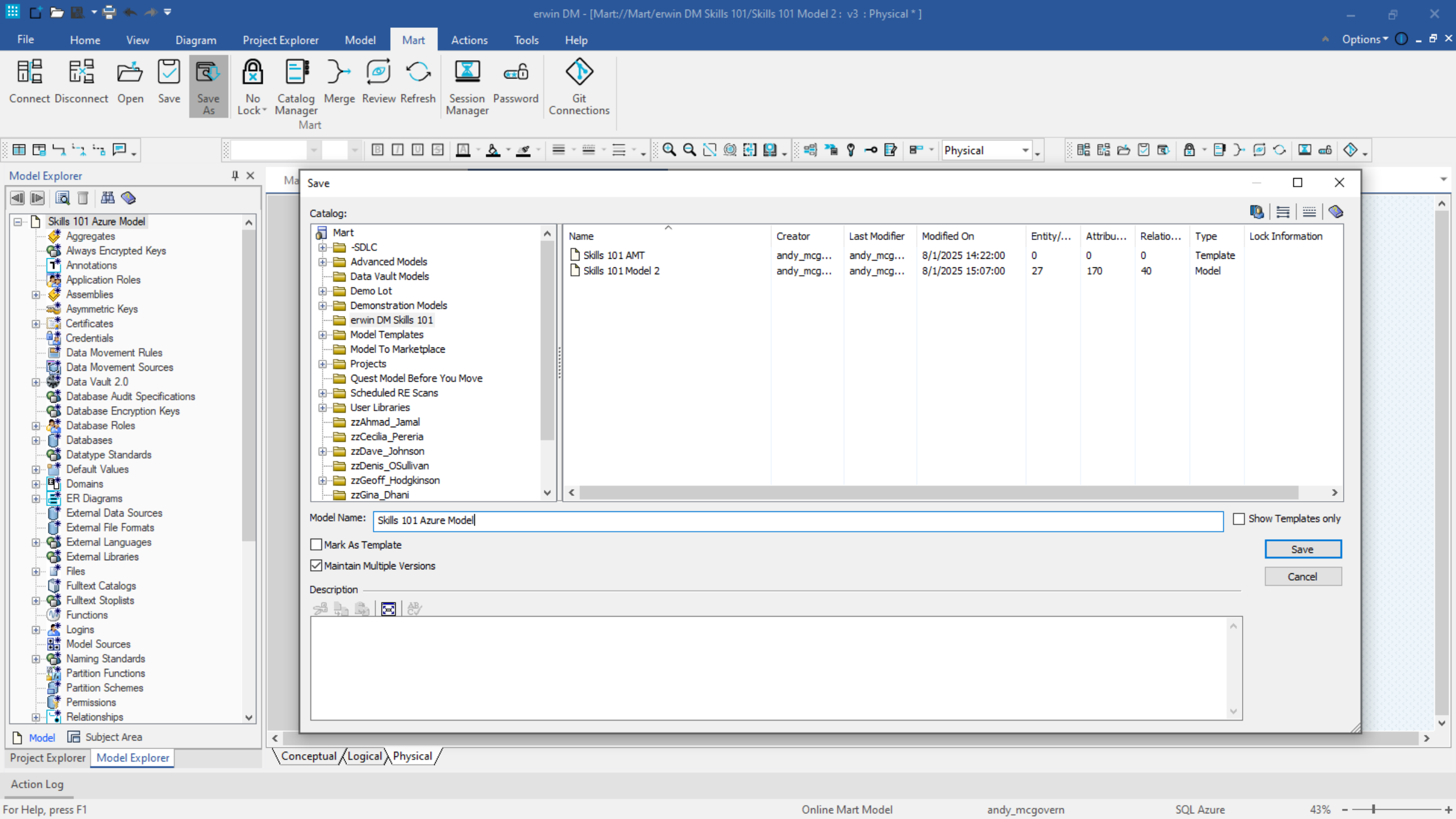
Model Explorer
Mart://Mart/erwin DM Skills 1...
Model 'Skills 101 Model 2' Editor
General
Defaults
RI Defaults
History Options
Definition
UDP
History
Notes
Extende
Type: Logical / Physical
Target Server And Version: SQL Server Azure
Model Information
Name
Skills 101 Azure Model
Author
Notation
Logical Notation
Information Engineering
Physical Notation
IDEF1x
Modeling Features
Is Dimensional
Data Vault 2.0
Data Movement
Close
Cancel
Details...
Conceptual
Logical
Physical
Action Log


erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Model 2 : v3 : Physical * ]
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-SDLC
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erwin DM Skills 101
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Projects
Quest Model Before You Move
Scheduled RE Scans
User Libraries
zzAhmad_Jamal
zzCecilia_Pereria
zzDave_Johnson
zzDenis_OSullivan
zzGeoff_Hodgkinson
zzGina_Dhani
Name
Creator
Last Modifier
Modified On
Entity/...
Attribu...
Relatio...
Type
Lock Information
Skills 101 AMT
andy_mcg...
andy_mcg...
8/1/2025 14:22:00
0
0
0
Template
Skills 101 Model 2
andy_mcg...
andy_mcg...
8/1/2025 15:07:00
27
170
40
Model
Model Name:
Skills 101 Azure Model
Show Templates only
Mark As Template
Maintain Multiple Versions
Save
Cancel
Description
Conceptual
Logical
Physical
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Azure
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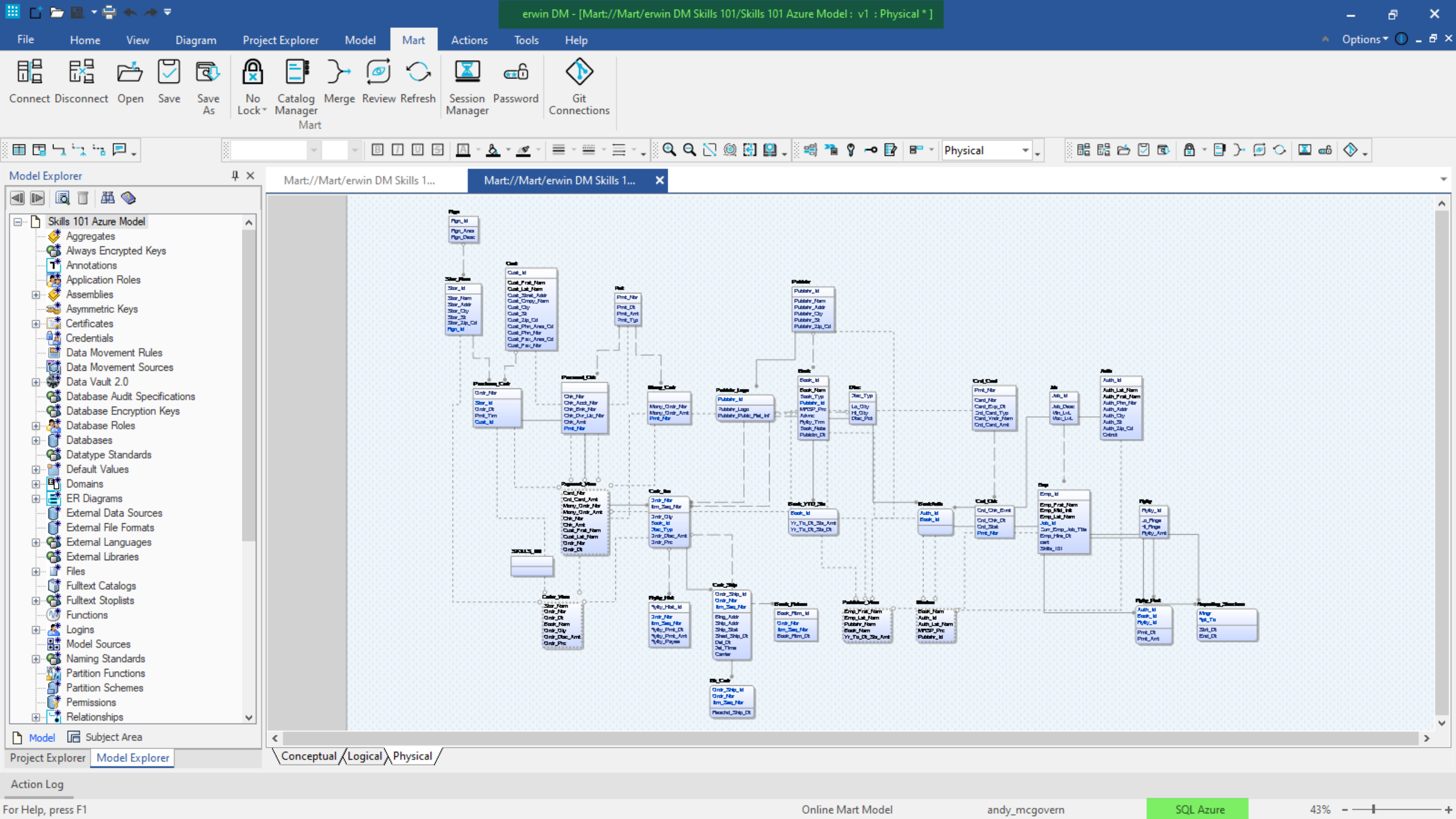
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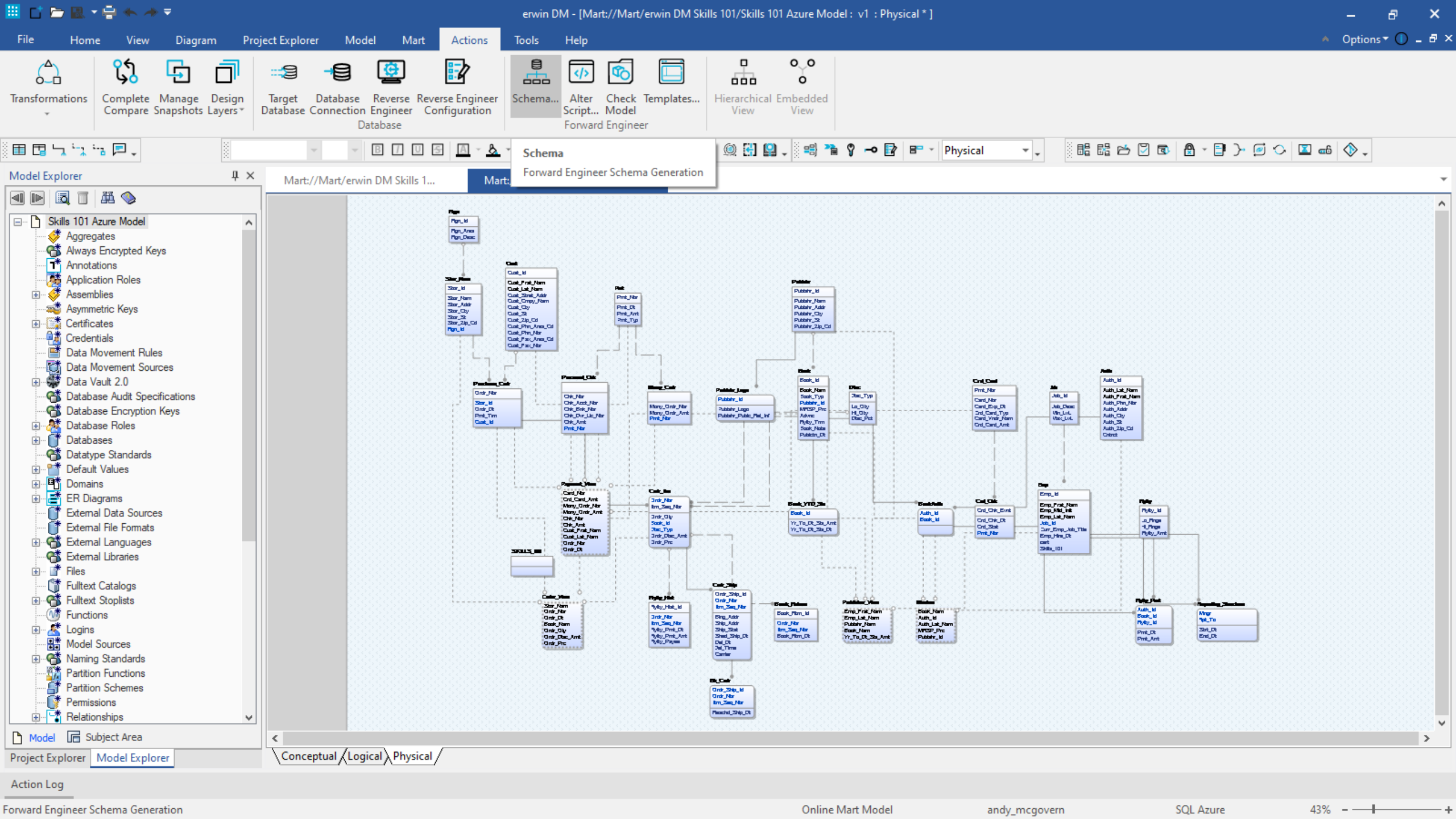
erwin DM - [Mart://Mart/erwin DM Skills 101/Skills 101 Azure Model : v1 : Physical * ]
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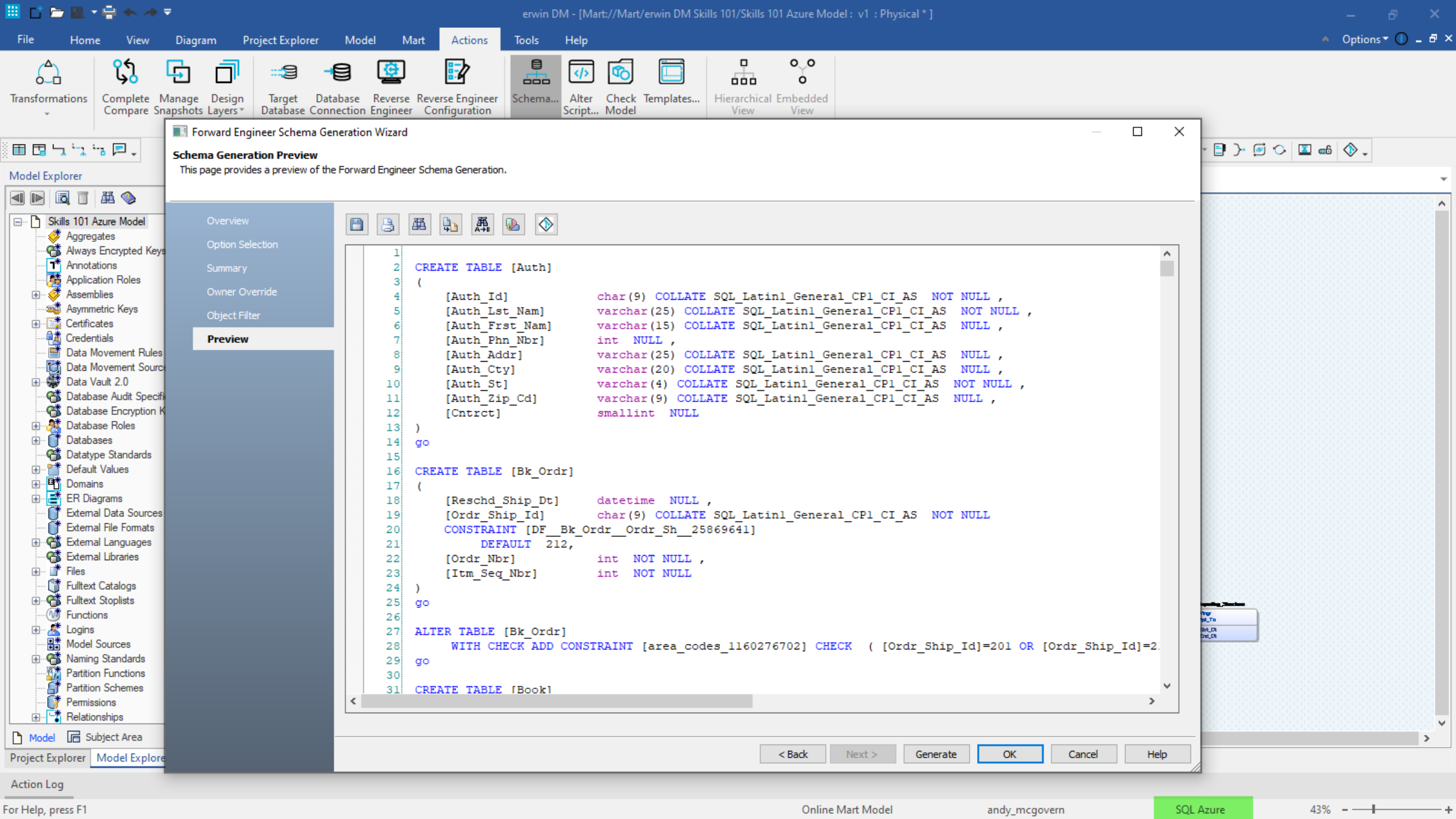
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Forward Engineer Schema Generation Wizard
Schema Generation Preview
This page provides a preview of the Forward Engineer Schema Generation.
Overview
Option Selection
Summary
Owner Override
Object Filter
Preview
1 CREATE TABLE [Auth]
2 (
3 [Auth_Id] char(9) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL ,
4 [Auth_Lst_Nam] varchar(25) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL ,
5 [Auth_Frst_Nam] varchar(15) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
6 [Auth_Phn_Nbr] int NULL ,
7 [Auth_Addr] varchar(25) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
8 [Auth_Cty] varchar(20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
9 [Auth_St] varchar(4) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL ,
10 [Auth_Zip_Cd] varchar(9) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
11 [Cntrct] smallint NULL
12 )
13 go
14
15 CREATE TABLE [Bk_Ordr]
16 (
17 [Reschd_Ship_Dt] datetime NULL ,
18 [Ordr_Ship_Id] char(9) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
19 CONSTRAINT [DF__Bk_Ordr__Ordr_Sh__25869641]
20 DEFAULT 212,
21 [Ordr_Nbr] int NOT NULL ,
22 [Itm_Seq_Nbr] int NOT NULL
23 )
24 go
25
26 ALTER TABLE [Bk_Ordr]
27 WITH CHECK ADD CONSTRAINT [area_codes_1160276702] CHECK ( [Ordr_Ship_Id]=201 OR [Ordr_Ship_Id]=2
28 go
29
30 CREATE TABLE [Book]
< Back
Next >
Generate
OK
Cancel
Help
Action Log
For Help, press F1
Online Mart Model
andy_mcgovern
SQL Azure
43%

# Questions?

Quest
Where Next Meets Now.

# Thank You

Scan the QR code to add Skills 101 for erwin to your calendar!

Skills 101 – erwin DM, Ep: 4

## Collaborating Effectively on Data Structure Development

Andy McGovern

**October 15th**

Quest

Where Next Meets Now.