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Merging Data Model Changes into Existing Model

Following document will provide you the instructions for merging data model changes into existing model with the changes provided in the service pack:

1. Open previous and new data model using ERwin Data modeler.
2. Go to Tools and Click Compare.
3. Select New Data model as left model.
4. Select existing/customized Data model as Right model.
5. Click next and Select “Subject Area” under “Type Selection”
6. In Advance Options screen, uncheck “Case sensitive compare”
7. Click Next and Compare.

Types of Data Model Changes:

1. New Tables
2. Drop table
3. New Columns
4. Dropped Columns
5. Data Type Changes
6. Domain Changes
7. Merging UDP’s (User Defined Properties)
8. Merging Relationships
9. Merging Descriptions
10. Merging Subject Areas
This document will explain in detail moving the above type’s changes into existing model.
1. **New Tables**

Select New Tables given in the Data Model changes excel from the Left side of model and Click “ToRight” in the Resolve Differences window.

2. **Drop Table**

Select tables given in Drop Table list of Data model changes excel from the Right side of the model and click “ToRight” to remove the tables from the existing model.
### 3. New Column

Select and expand the table given in New Column List of Data Model changes Excel and select the columns from the Right Side of the Data Model and click “ToRight” for moving the new column into the existing data model.
4. **Drop Column**

Select and expand the table given in Drop Column List of Data Model changes excel and select the columns from the Left Side of the Data Model and click “ToRight” to remove the columns from the existing data model.
5. Data Type Changes

Expand the table given in Data Type Change List of Data Model changes excel and select the columns from the Left Side of the Data Model and click “ToRight” to update the data type of the column into existing data model.
6. Domain Changes

Expand the table given in Domain Change List of Data Model changes excel and select the columns from the Left Side of the Data Model and click “ToRight” to update the data type of the column into existing data model.
7. Merging UDP (User Defined Properties)

In the Resolve Differences screen, expand “Tables” section select table name which is present in both models and has differences.

Select the UDP from the Left model and click “ToRight”
8. Merging Relationships

In the “Resolve Differences” screen, expand “Tables” and select the table present in both the models. Select the “Relationships” differences and click “ToRight” to move the newly added relationships in to the existing model.

Note: In order to move the relationships into the existing model Parent table is required to present/moved first and order/parent tables can be identified from the relationships differences.
9. **Adding Column Descriptions**

In the resolve differences screen, expand the “Tables” section and select the table present in both the models. Select the column with difference and click “ToRight” to move the column level Description/Comment difference to existing model.
10. Subject Area and Drawings

Expand the “Subject Areas” section in the resolve differences screen and select the new subject area present in the left model and click “ToRight” to move new subject areas into the existing model.
Merging FSDW Data Model Staging and Reporting

Following document will provide you the instructions for merging FSDW Data Model Staging and Reporting:

Over the merged model, perform the following steps:

1. Open the merged FSDW model in Left
2. Open the ALM model in right
3. Choose Subject Areas in the type selection.
4. Compare the models. There will be differences in staging entities. Processing entities can be moved
5. Move the differences from ALM model (right) into the left model.
6. Save the merged model.
Merging ALM Data Model Contents with FTP

Following document will provide you the instructions for merging ALM data model with FTP data model:

1. Open ALM and FTP data model using ERwin Data modeler.
2. Go to Tools and Click Compare.
3. Select ALM Data model as left model.
4. Select FTP Data model as Right model.
5. Click next and Select “Subject Area” under “Type Selection”. 
6. In Advance Options screen uncheck “Case sensitive compare”
7. Click Next and Compare.

In the “Resolve Differences” window, expand “Tables” and Move the below tables to “Left side” (ALM Data model).

a. STG_IRCS

b. STG_PROGRAM_MASTER
Expand “Subject Areas” and move “Staging – FTP” subject area to “Left side” (ALM Data model).

8. Click Finish

9. Click Close to Close Model Compare window

10. Save ALM_Datamodel as the merged ALM_FTP_Merged_Datamodel.

**Note:** Going forward merging ALM_FTP_Merged_Datamodel with PFT_FTP_Merged_Datamodel, ALM_FTP_Merged_Datamodel should be considered as base.
Merging FTP Data Model Contents with PFT

The objective is to generate the merged model of PFT and FTP.

We will compare both the models and include subject areas that are present in FTP and not present in PFT. As a result of this exercise, PFT model will contain all the FTP related entities as well.

As of Release, the differences between the two models are only in additional subject areas. There are no common tables/attributes that have differences between the two models.

Steps are as follows:

1. Select PFT_Datamodel.erwin as Left Model.

2. Select FTP_Datamodel.erwin as Right Model.

3. Select Subject Area from the list.
4. Click Next.
5. Click Compare.
6. In the ‘Resolve Differences” window expand Subject Area and move the below subject areas to Left Model (PFT Data model).
   a. Staging – FTP
   b. ALM – Client Tables

7. Click Finish.

8. Click Close to Close Model Compare window.

9. Save PFT_Datamodel as the merged PFT_FTP_Merged_Datamodel.