

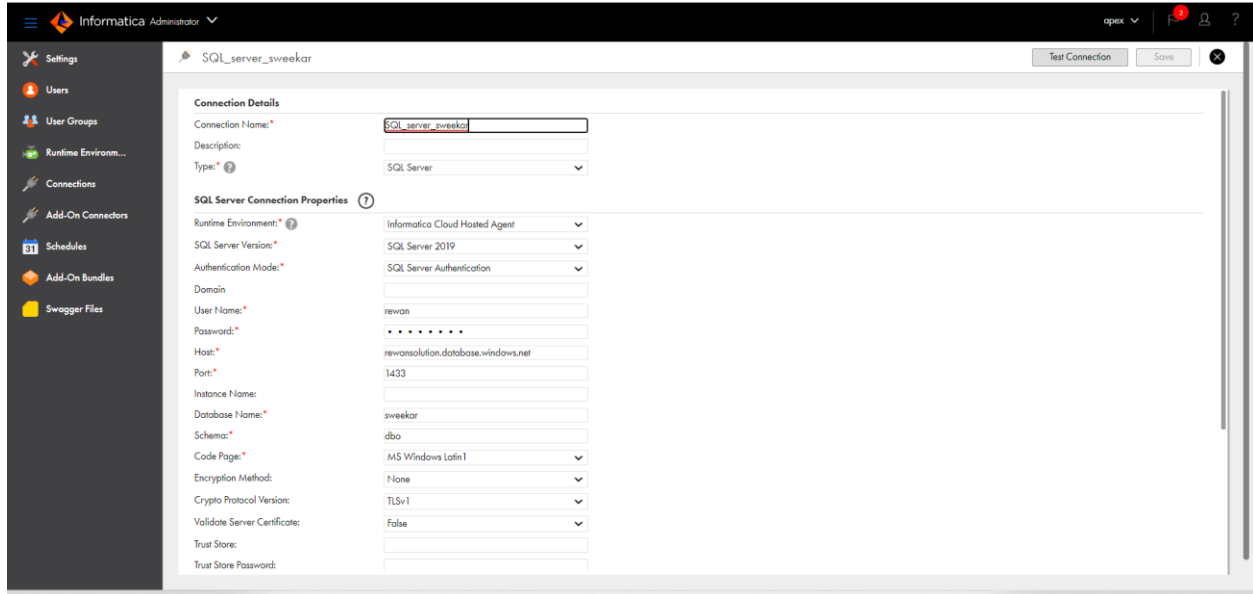
# TIETOEVRY – DATABASE – FINAL ASSESSMENT

SWEEKAR K T/EI13047

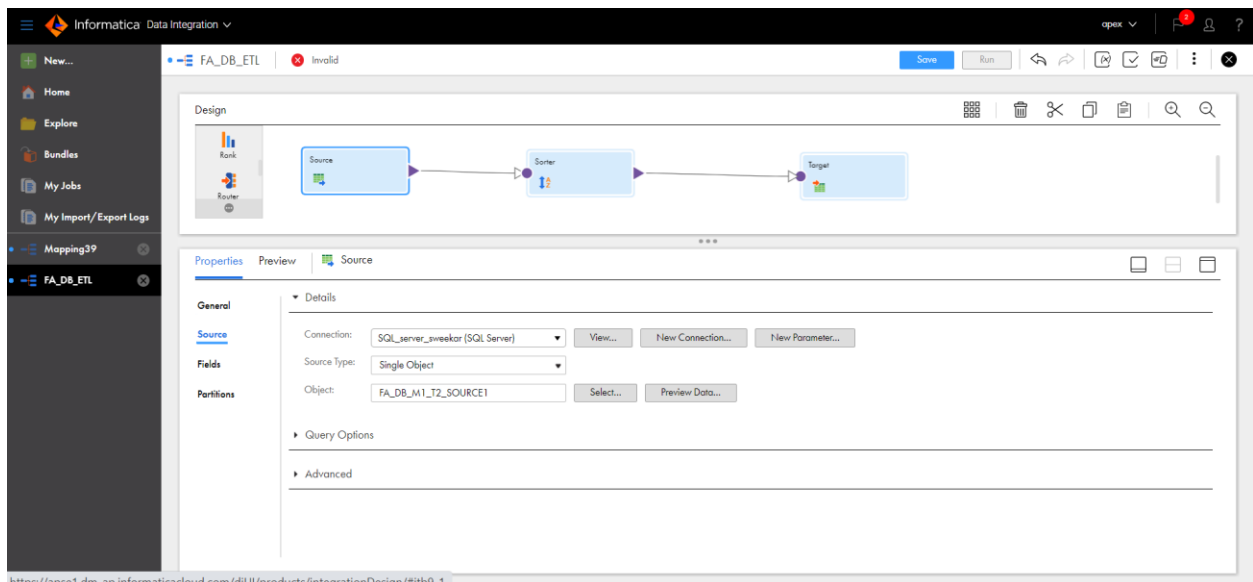
## Module 4 IICS: 20 Points

Entry criteria: Transactions tables created in Module 1, task 2

### 1. Make connection to different data source (Oracle DB, Flat file, SQL Server)



### 2. Extract



[https://apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/#itb9\\_1](https://apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/#itb9_1)

### 3. Transform

The screenshot shows the Informatica Data Integration (IDC) interface. The left sidebar contains navigation options: New..., Home, Explore, Bundles, My Jobs, My Import/Export Logs, Mapping39, and FA\_DB\_ETL. The main workspace displays a mapping diagram with three components: Source, Sorter, and Target, connected in sequence. The 'Properties' pane on the right is set to the 'Sorter' component. Under the 'General' tab, the 'Sort' dropdown is set to 'Not Parameterized'. Under the 'Incoming Fields' tab, the 'Sort Conditions' section shows a table with one row: 'CarPrice (double)' with a 'Descending' sort order.

Field	Sort Order
CarPrice (double)	Descending

### 4. Load to new target system - SQL Server

The screenshot shows the Informatica Data Integration (IDC) interface with the 'Properties' pane set to the 'Target' component. Under the 'General' tab, the 'Connection' is set to 'SQL\_server\_sweekar (SQL Server)'. The 'Target Type' is set to 'Single Object'. The 'Object' is set to 'FA\_IICS\_ETL\_SORT'. The 'Operation' is set to 'Insert'. The 'Field Mapping' section is empty. The 'Advanced' section is collapsed.

Field	Sort Order
CarPrice (double)	Descending

Informatica Data Integration

My Jobs

Jobs (1 of 21)

Updated 3:44:49 AM PDT

Asset Name: FA\_DB\_ETL Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
FA_DB_ETL-1	sweekar's_IICS_project		Oct 7, 2022, 3:42 AM	Oct 7, 2022, 3:45 AM	1000	Success

SELECT \* FROM FA\_IICS\_ETL\_SORT;

Results 1 x Statistics 2

Enter a SQL expression to filter results (use Ctrl+Space)

Grid	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName	Gender
1	1,955	GMC	Canyon	Orange	2,008	799,454.24	60505-3780	Ade Mityashev	Male
2	5,103	Saab	[NULL]	Aquamarine	1,989	798,837.47	52959-880	Sonya Briscam	Female
3	8,159	Ford	Mustang	Maroon	1,994	798,765.11	52959-144	Gunther Stubbs	Male
4	492	Subaru	Justy	Crimson	1,988	798,573.59	54868-5732	Archer Landsborough	Male
5	885	BMW	5 Series	Goldenrod	1,994	798,206.16	61727-303	Sascha Rallinshaw	Male
6	2,169	Mercedes-Benz	CL-Class	Crimson	2,004	798,192.93	42411-043	Marta Collens	Female
7	4,849	Dodge	Ram 2500	Turquoise	2,007	798,141.78	37808-230	Bonita Veracruysse	Female
8	9,955	Mitsubishi	Diamante	Turquoise	2,000	797,965.14	47682-903	Lane Boreham	Male

Save Cancel Script 200 200+ Rows: 1 200 row(s) fetched - 260ms (130ms fetch), on 2022-'

IST en Writable Smart Insert 106 : 31 : 2606 Sel: 0 | 0

## 5. Perform SCD 1 & SCD2 dimension table modelling

### SCD 1

The screenshot shows the Informatica Data Integration Designer interface for a project named FA\_IICS\_SCD1. The Design canvas displays a Source connector linked to two target components: Target\_Insert and Target\_Update. The Properties pane for Target\_Update is active, showing the Field Mapping section. The mapping table is as follows:

Supplier/Contact/Details	Source Field	Target Field
ProductID	t_CarColor	t_CarColor
CarMaker	t_CarModelYear	CarModelYear
CarModel	t_CarPrice	CarPrice
CarColor	t_CustomerID	t_CustomerID
CarModelYear	t_CustomerName	t_CustomerName
CarPrice	t_Gender	t_Gender
CustomerID	t_JobTitle	t_JobTitle
CustomerName	t_PhoneNumber	t_PhoneNumber

The Validation pane on the right shows a single validation rule for Target\_Update, which is currently invalid (indicated by a red 'X').

The screenshot shows the Informatica Data Integration Jobs page for the project FA\_IICS\_SCD1. The table below lists the job instances, their locations, start and end times, rows processed, and their status.

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
FA_IICS_SCD1-7	sweekar's_IICS_project		Oct 10, 2022, 9:00 PM	Oct 10, 2022, 9:03 PM	1000	Success
FA_IICS_SCD1-6	sweekar's_IICS_project		Oct 10, 2022, 8:50 PM	Oct 10, 2022, 8:51 PM	0	Failed
FA_IICS_SCD1-5	sweekar's_IICS_project		Oct 10, 2022, 8:41 PM	Oct 10, 2022, 8:41 PM	0	Failed
FA_IICS_SCD1-4	sweekar's_IICS_project		Oct 7, 2022, 8:05 PM	Oct 7, 2022, 8:05 PM	0	Success
FA_IICS_SCD1-3	sweekar's_IICS_project		Oct 7, 2022, 8:03 PM	Oct 7, 2022, 8:04 PM	2	Success
FA_IICS_SCD1-2	sweekar's_IICS_project		Oct 7, 2022, 7:54 PM	Oct 7, 2022, 7:54 PM	0	Success
FA_IICS_SCD1-1	sweekar's_IICS_project		Oct 7, 2022, 7:49 PM	Oct 7, 2022, 7:49 PM	2	Success

SELECT \* FROM FA\_DB\_M4\_SCD1\_TGT ;|

Results 1 Results 2 ×

Enter a SQL expression to filter results (use Ctrl+Space)

	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName
1	57-6028	8,893	Dodge	Ram 2500	Goldenrod	2,007	521,963.45	60760-224	Louie Hinsche
2	64-4060	9,444	Toyota	Tundra	Crimson	2,010	672,222.04	67457-594	Alexandros Manue
3	19-1802	253	GMC	Savana 1500	Crimson	2,011	504,465.72	58411-135	Alvie Weighell
4	15-3112	1,283	Volkswagen	Cabriolet	Fuscia	1,990	646,077.11	0591-5307	Flint Gunston
5	23-6788	8,905	Mercury	Mariner	Teal	2,009	699,890.24	51655-189	Alyssa Filpi
6	57-0118	8,877	Toyota	Land Cruiser	Crimson	2,005	694,373.94	65811-0001	Wiatt Piche
7	97-2408	101	Subaru	Impreza	Indigo	1,999	546,977.55	31722-328	Findlay Alberti
8	69-6870	8,854	BMW	X6	Purple	2,013	528,353.8	54162-018	Ottillie Wittman
9	19-7839	9,043	Mitsubishi	Galant	Orange	2,011	706,964.35	44911-0060	Kirsten Calvey
10	55-4653	492	Subaru	Justy	Crimson	1,988	798,573.59	54868-5732	Archer Landsborou

SELECT \* FROM FA\_DS7\_CAR\_SALES;|

UPDATE FA\_DS7\_CAR\_SALES  
SET CarPrice=522222  
WHERE SupplierID =1;

Results 1 Results 2 ×

Enter a SQL expression to filter results (use Ctrl+Space)

	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName
1	57-6028	8,893	Dodge	Ram 2500	Goldenrod	2,007	522,222	60760-224	Louie Hinsche
2	64-4060	9,444	Toyota	Tundra	Crimson	2,010	672,222.04	67457-594	Alexandros Manuel
3	19-1802	253	GMC	Savana 1500	Crimson	2,011	504,465.72	58411-135	Alvie Weighell
4	15-3112	1,283	Volkswagen	Cabriolet	Fuscia	1,990	646,077.11	0591-5307	Flint Gunston
5	23-6788	8,905	Mercury	Mariner	Teal	2,009	699,890.24	51655-189	Alyssa Filpi
6	57-0118	8,877	Toyota	Land Cruiser	Crimson	2,005	694,373.94	65811-0001	Wiatt Piche
7	97-2408	101	Subaru	Impreza	Indigo	1,999	546,977.55	31722-328	Findlay Alberti
8	69-6870	8,854	BMW	X6	Purple	2,013	528,353.8	54162-018	Ottillie Wittman
9	19-7839	9,043	Mitsubishi	Galant	Orange	2,011	706,964.35	44911-0060	Kirsten Calvey
10	55-4653	492	Subaru	Justy	Crimson	1,988	798,573.59	54868-5732	Archer Landsborough

Informatica Data Integration

My Jobs Data Integration

Jobs (8 of 40) Updated 10:52:45 PM PDT

Asset Name: FA\_IICS\_SCD1 Add Field

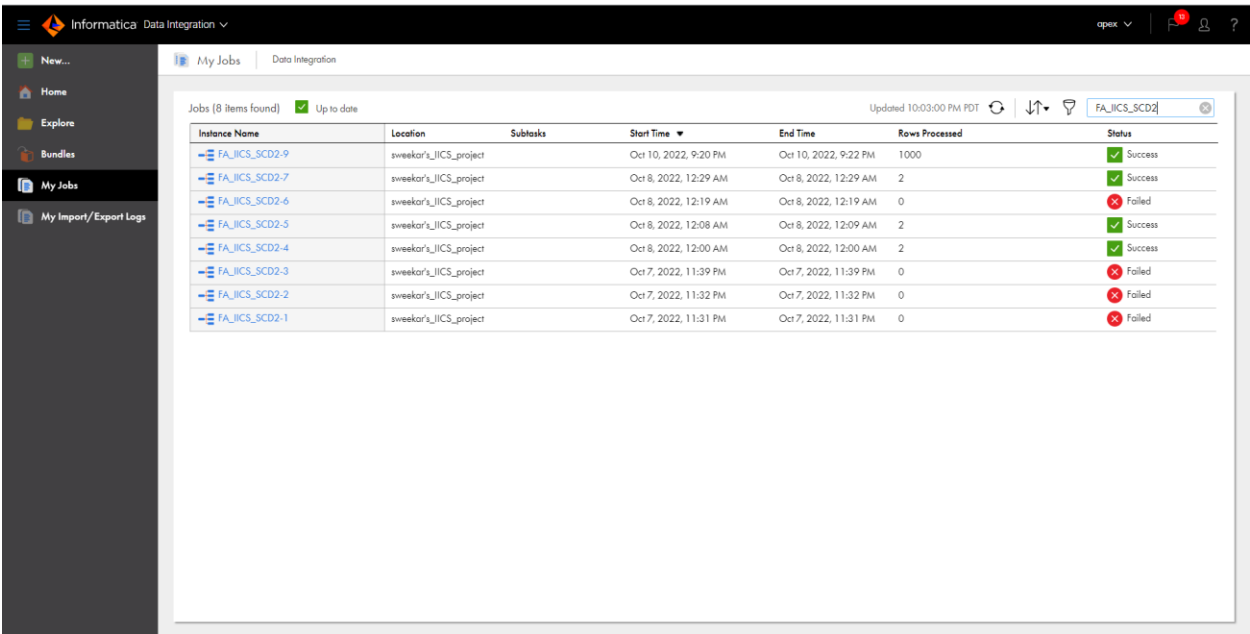
Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
FA_IICS_SCD1-8	sweekee's_iics_project		Oct 10, 2022, 10:52 PM	Oct 10, 2022, 10:52 PM	1	Success
FA_IICS_SCD1-7	sweekee's_iics_project		Oct 10, 2022, 9:00 PM	Oct 10, 2022, 9:03 PM	1000	Success
FA_IICS_SCD1-6	sweekee's_iics_project		Oct 10, 2022, 8:50 PM	Oct 10, 2022, 8:51 PM	0	Failed
FA_IICS_SCD1-5	sweekee's_iics_project		Oct 10, 2022, 8:41 PM	Oct 10, 2022, 8:41 PM	0	Failed
FA_IICS_SCD1-4	sweekee's_iics_project		Oct 7, 2022, 8:05 PM	Oct 7, 2022, 8:05 PM	0	Success
FA_IICS_SCD1-3	sweekee's_iics_project		Oct 7, 2022, 8:03 PM	Oct 7, 2022, 8:04 PM	2	Success
FA_IICS_SCD1-2	sweekee's_iics_project		Oct 7, 2022, 7:54 PM	Oct 7, 2022, 7:54 PM	0	Success
FA_IICS_SCD1-1	sweekee's_iics_project		Oct 7, 2022, 7:49 PM	Oct 7, 2022, 7:49 PM	2	Success

SELECT \* FROM FA\_DB\_M4\_SCD1\_TGT WHERE t\_SupplierID =1;

Results 1 Results 2 ×

Enter a SQL expression to filter results (use Ctrl+Space)

	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName
1	57-6028	8,893	Dodge	Ram 2500	Goldenrod	2,007	522,222	60760-224	Louie Hinsche



SELECT \* FROM FA\_DB\_M4\_SCD2\_TGT;

Results 1 Results 2

SELECT \* FROM FA\_DB\_M4\_SCD2\_TGT

Grid	PostalCode	t_Sales	t_Quantity	t_Discount	t_CreditCardType	t_CreditCard	t_CustomerFeedback	t_Checksum	t_status
1	99,522	744,796.41	1	0.83	diners-club-carte-blanc	0,408,000,000,000	Bad	4EE9998476	ACTIVE
2	56,398	794,773.17	1	0.79	jcb	9,220,000,000,000	Good	8FBFB80837	ACTIVE
3	60,674	968,244.9	1	0.28	jcb	7,160,000,000,000	Okay	5A20F8F6BC	ACTIVE
4	32,885	942,213.82	2	0.76	jcb	9,910,000,000,000	Very Bad	89D7E3D767	ACTIVE
5	48,232	879,519.57	1	0.5	china-unionpay	2,240,000,000,000	Bad	D7CD3DADD6	ACTIVE
6	31,136	947,785.4	2	0.39	laser	6,250,000,000,000	Good	E268D0A423	ACTIVE
7	2,208	883,836.81	2	0.79	diners-club-carte-blanc	0,528,100,000,000	Very Bad	OCA11E5C3B	ACTIVE
8	25,336	779,626.29	1	0.9	jcb	9,140,000,000,000	Bad	FD1627C3E2	ACTIVE
9	85,035	818,364.32	2	0.5	jcb	7,050,000,000,000	Okay	B48668FB29	ACTIVE
10	95,113	902,866.47	1	0.61	jcb	4,730,000,000,000	Very Bad	BBF762E3AE	ACTIVE

Save Cancel Script 200 200+ Rows: 0 200 row(s) fetched - 276ms (106ms fetch), on 2022-

SELECT \* FROM FA\_DS7\_CAR\_SALES;

UPDATE FA\_DS7\_CAR\_SALES  
SET CarPrice=522222  
WHERE SupplierID =1;

Results 1 Results 2

SELECT \* FROM FA\_DS7\_CAR\_SALES

Grid	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName
1	57-6028	8,893	Dodge	Ram 2500	Goldenrod	2,007	522,222	60760-224	Louie Hinsche
2	64-4060	9,444	Toyota	Tundra	Crimson	2,010	672,222.04	67457-594	Alexandros Manuel
3	19-1802	253	GMC	Savana 1500	Crimson	2,011	504,465.72	58411-135	Alvie Weighell
4	15-3112	1,283	Volkswagen	Cabriolet	Fuscia	1,990	646,077.11	0591-5307	Flint Gunston
5	23-6788	8,905	Mercury	Mariner	Teal	2,009	699,890.24	51655-189	Alyssa Filpi
6	57-0118	8,877	Toyota	Land Cruiser	Crimson	2,005	694,373.94	65811-0001	Wlatt Piche
7	97-2408	101	Subaru	Impreza	Indigo	1,999	546,977.55	31722-328	Findlay Alberti
8	69-6870	8,854	BMW	X6	Purple	2,013	528,353.8	54162-018	Ottile Wittman
9	19-7839	9,043	Mitsubishi	Galant	Orange	2,011	706,964.35	44911-0060	Kirsten Calvey
10	55-4653	492	Subaru	Justy	Crimson	1,988	798,573.59	54868-5732	Archer Landsborough

Informatica Data Integration

My Jobs Data Integration

Jobs (43) Updates available Updated 11:01:56 PM PDT

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
FA_IICS_SCD2-10	sweekar's_iics_project		Oct 10, 2022, 11:01 PM	Oct 10, 2022, 11:02 PM	2	Success
FA_IICS_SCD1-9	sweekar's_iics_project		Oct 10, 2022, 10:56 PM	Oct 10, 2022, 10:57 PM	1	Success
FA_IICS_SCD1-8	sweekar's_iics_project		Oct 10, 2022, 10:52 PM	Oct 10, 2022, 10:52 PM	1	Success
FA_IICS_SCD2-9	sweekar's_iics_project		Oct 10, 2022, 9:20 PM	Oct 10, 2022, 9:22 PM	1000	Success

SELECT \* FROM FA\_DB\_M4\_SCD2\_TGT;  
SELECT \* FROM FA\_DB\_M4\_SCD2\_TGT WHERE t\_SupplierID =1;

Results 1 Results 2

SELECT \* FROM FA\_DB\_M4\_SCD2\_TGT WHERE

Grid	t_PostalCode	t_Sales	t_Quantity	t_Discount	t_CreditCardType	t_CreditCard	t_CustomerFeedback	t_Checksum	t_status
1	99,522	744,796.41	1	0.83	diners-club-carte-blanc	30,408,000,000,000	Bad	4EE9998476	EXPIRED
2	99,522	744,796.41	1	0.83	diners-club-carte-blanc	30,408,000,000,000	Bad	842369583A	ACTIVE

6. Create aggregate table based on the particular column (ex: Country code). Refer to the different data source from target system

The screenshot shows the Informatica Data Integration Designer interface for a task named 'FA\_DB\_AGG\_TASK'. The Design canvas displays a workflow with three components: Source, Aggregator, and Target, connected in sequence. The Properties pane for the Aggregator is open, showing the 'General' tab. The 'Group by' dropdown is set to 'Not Parameterized'. The 'Group by Fields' section contains a single entry: 'Field Name'. The 'Aggregate' section contains a single entry: 'Count(\*)'. The Validation pane on the right indicates 'Mapping is valid'.

The screenshot shows the same Informatica Data Integration Designer interface, but with the Aggregator properties configured for a more complex aggregation. The 'General' tab is still selected, and the 'Allow additional fields and expressions during task creation' checkbox is checked. The 'Group by' dropdown is set to 'Not Parameterized'. The 'Group by Fields' section contains two entries: 'No\_of\_cans\_sold' and 'SUM(Quantity)'. The 'Aggregate' section contains two entries: 'Total\_sales' and 'SUM(Sales)'. The Validation pane on the right indicates 'Mapping is valid'.

Field Name	Expression	Field Description
No_of_cans_sold	SUM(Quantity)	
Total_sales	SUM(Sales)	



Informatica Data Integration

FA\_DB\_AGG\_TASK Valid

Design

Source Aggregator Target

Properties Preview Target

General

Include Named Fields Included: 3 fields

Incoming Fields

Field Name	Type	Precision	Scale	Origin
CarMaker	string	255	0	FA_DS7_CAR_SALES
No_of_cars_sold	integer	10	0	Aggregator
Total_sales	bigint	19	0	Aggregator

Target Fields

Field Mapping

Validation

Mapping is valid

SELECT \* FROM FA\_IICS\_CarSales\_AGG\_TABLE;

Results 1 Results 2

SELECT \* FROM FA\_IICS\_CarSales\_AGG\_TABLE;

Grid	CarMaker	No_of_cars_sold	Total_sales
1	Acura	16	9,687,663
2	Aston Martin	3	1,786,736
3	Audi	38	21,496,148
4	Austin	2	777,049
5	BMW	41	23,742,310
6	Bentley	9	5,232,775
7	Buick	58	34,876,573
8	Cadillac	28	15,278,309
9	Chevrolet	125	70,988,582
10	Chrysler	23	11,921,982
11	Citroen	2	853,729

## 7. Create data replication task (single table and FULL DB).

I have considered that SBA National Banking has to share data related to the loan approved by different banks to a auditing company, **Replication task** can be used to do this.

STEP 1: Select the source connection of the SBA National Banking and include the objects to be replicated.

The screenshot shows the 'New Replication Task4' dialog box with the 'Source' tab selected. The dialog has a title bar with a close button and a progress bar with five steps: 1. Source, 2. Target, 3. Field Exclusions, 4. Data Filters, and 5. Schedule. The 'Task Details' section includes fields for 'Task Name' (Replication Task4), 'Location' (sweekars\_ILCS\_project), and 'Description'. The 'Source Details' section shows 'Source Connection' set to 'SQL\_server\_sweekar' with 'View...' and 'New...' buttons. Under 'Objects to Replicate', the 'Include Objects' radio button is selected, and a list box contains 'FA\_DS1\_LOAN\_APPROVAL'. At the bottom, there are options for error handling: 'Cancel processing the remaining objects' (selected) and 'Continue processing of the remaining objects'. Navigation buttons at the bottom include '< Back', 'Next >', 'Finish', and 'Cancel', along with a 'Save' button and a help icon.

New Replication Task4

1 Source 2 Target 3 Field Exclusions 4 Data Filters 5 Schedule

**Task Details**

Task Name: \* Replication Task4 ?

Location: \* sweekars\_ILCS\_project Browse

Description: ?

**Source Details**

Source Connection: \* SQL\_server\_sweekar View... New...

Objects to Replicate: \*

☐ All Objects ?

☒ Include Objects Select...

FA\_DS1\_LOAN\_APPROVAL

☐ Exclude Objects Select...

If an error occurs while processing an object:

☒ Cancel processing the remaining objects

☐ Continue processing of the remaining objects

? Save < Back Next > Finish Cancel

STEP 2: Make the target connection to the auditing company's database.

New Replication Task4

1 Source 2 Target 3 Field Exclusions 4 Data Filters 5 Schedule

**Target Details**

Connection: \*  View... New... ?

Target Prefix:  ?

Enable Target Bulk Load  ?

**Replication Options**

Load Type: ?

☐ Incremental loads after initial full load

☐ Incremental loads after initial partial load

Initial load: Rows created or modified after  at  :

☒ Full load each run

Delete Options:

☒ Remove deleted columns and rows

☐ Retain deleted columns and rows

**Advanced Options**

Commit size: ?  rows

? Save < Back Next > Finish Cancel

STEP 3: The name column in the table contains personal information of the customers and if there is a law that protects personal details from third party then the name column has to be excluded

New Replication Task4

1 Source 2 Target 3 Field Exclusions 4 Data Filters 5 Schedule

Field Exclusions Exclude Fields...

There are no fields excluded for any object. All fields are included.

**Field Exclusion**

Select a source object, and then select fields of that object to exclude from data replication.

Object: \*  ?

Included Fields ?

MIS\_Status

NAICS

NewExist

NoEmp

RetainedJob

RevLineCr

SBA\_Appv

State

Excluded Fields \* ?

Name

? OK Cancel

? Save < Back Next > Finish Cancel

STEP 4: If the auditing company only has permission to audit the records before financial year 2005

New Replication Task4

1 Source 2 Target 3 Field Exclusions 4 Data Filters 5 Schedule

Row Limit

☐ Process all rows

☐ Process only the first 100

Data Filters [New...](#)

There are no filters defined. The task will process all data.

**Data Filter**

To define a data filter, select an object, select a field, select an operator, and then enter a filter value. Click OK to add the data filter to the task.

Object: **FA\_DS1\_LOAN\_APPROVAL**

Filter by: **ApprovalFY** Type: **DOUBLE**

Less Than **2005**

Example: 123456.78

[Advanced...](#) [OK](#) [Cancel](#)

[? Save](#) [< Back](#) [Next >](#) [Finish](#) [Cancel](#)

STEP 5: We can also schedule the task later in a specified time and we can also add Failure email notification/Warning email notification (For the team on the SBA National Banking team) and the Success email Notification (For both the teams on SBA National banking as well as the auditing company's side)

New Replication Task4

1 Source 2 Target 3 Field Exclusions 4 Data Filters 5 Schedule

**Schedule Details**

☒ Do not run this task on a schedule [?](#)

☐ Run this task on schedule: [New...](#) [?](#)

**Email Notification Options**

☐ Use the default email notification options for my organization

☒ Use custom email notification options for this task:

Failure Email Notification: **ktsweekar@gmail.com**

Warning Email Notification: **ktsweekar@gmail.com**

Success Email Notification: **ktsweekar@gmail.com**

**Execution Mode**

Mode: ☒ Standard [?](#)

[? Save](#) [< Back](#) [Next >](#) [Finish](#) [Cancel](#)

Renaming the task to FA\_DB\_RT\_LOAN\_APPROVAL(Final Assessment Replication task of loan approval)

FA\_DB\_RT\_LOAN\_APPROVAL

EditRun

Task Details

Task Name:

FA\_DB\_RT\_LOAN\_APPROVAL

Location:

sweekar\_IIICS\_project

Description:

Created On:

Oct 8, 2022 9:02:30 PM

Updated On:

Oct 8, 2022 9:03:37 PM

Created By:

sweekar\_kt

Updated By:

sweekar\_kt

Last Run:

Source Details

Source Connection:

SQL\_server\_sweekar

Included Objects:

FA\_DS1\_LOAN\_APPROVAL

Stop on Error:

Cancel processing the remaining objects

Target Details

Target Connection:

MSQL\_REWAN

Target Prefix:

SF\_

Load Type:

Full load each run

Delete Options:

Remove deleted columns and rows

Commit size:

Not specified

Enable Target Bulk Load:

False

Field Exclusions

FA\_DS1\_LOAN\_APPROVAL

Name

The replication task is being executed and the rows are getting processed.

Informatica Data Integration

apex

My Jobs

Data Integration

Jobs (1 items found) Up to date

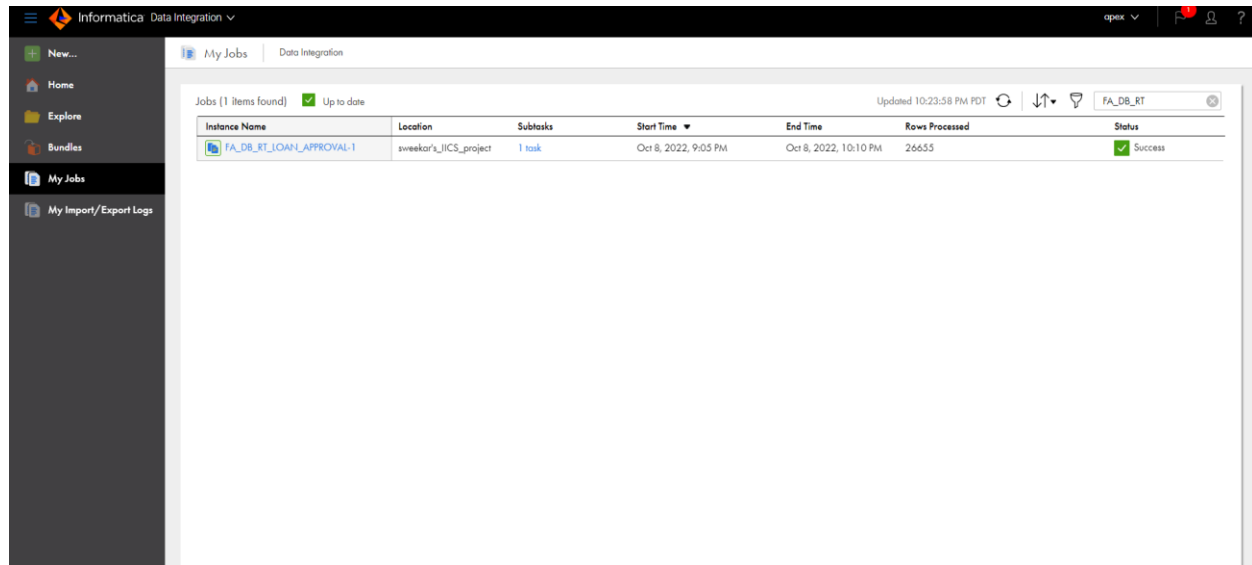
Updated 9:32:31 PM PDT

FA\_DB\_RT\_LOAN\_APPROVAL

Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
FA_DB_RT_LOAN_APPROVAL-1	sweekar_IIICS_project	1 task	Oct 8, 2022, 9:05 PM		14800	Running

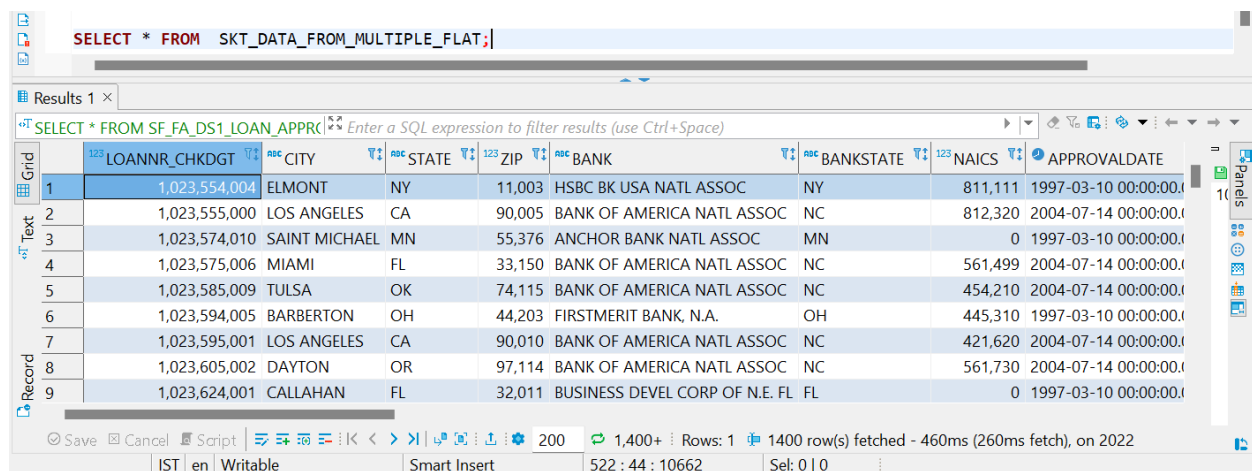
The replication task has got executed, as we can see 26655 were transferred to the target and it took around 1 hour 5 minutes to completely execute.



The screenshot shows the Informatica Data Integration console. On the left is a navigation pane with options: New..., Home, Explore, Bundles, My Jobs, and My Import/Export Logs. The main area is titled 'My Jobs' and 'Data Integration'. It shows a table of jobs with the following columns: Instance Name, Location, Subtasks, Start Time, End Time, Rows Processed, and Status. A single job is listed: 'FA\_DB\_RT\_LOAN\_APPROVAL-1' located at 'sweekar's\_JICS\_project', starting on 'Oct 8, 2022, 9:05 PM' and ending on 'Oct 8, 2022, 10:10 PM'. It processed 26655 rows and has a status of 'Success'.

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
FA_DB_RT_LOAN_APPROVAL-1	sweekar's_JICS_project	1 task	Oct 8, 2022, 9:05 PM	Oct 8, 2022, 10:10 PM	26655	Success

I verified in the target dataset that name column was not



The screenshot shows the Informatica Data Integration console with a SQL query editor and a results grid. The query is 'SELECT \* FROM SKT\_DATA\_FROM\_MULTIPLE\_FLAT;'. The results grid shows 9 rows of data with columns: LOANNR\_CHKDG, CITY, STATE, ZIP, BANK, BANKSTATE, NAICS, and APPROVALDATE. The status bar at the bottom indicates '1,400+ Rows: 1 1400 row(s) fetched - 460ms (260ms fetch), on 2022'.

Grid	123 LOANNR_CHKDG	123 CITY	123 STATE	123 ZIP	123 BANK	123 BANKSTATE	123 NAICS	APPROVALDATE
1	1,023,554,004	ELMONT	NY	11,003	HSBC BK USA NATL ASSOC	NY	811,111	1997-03-10 00:00:00.0
2	1,023,555,000	LOS ANGELES	CA	90,005	BANK OF AMERICA NATL ASSOC	NC	812,320	2004-07-14 00:00:00.0
3	1,023,574,010	SAINT MICHAEL	MN	55,376	ANCHOR BANK NATL ASSOC	MN	0	1997-03-10 00:00:00.0
4	1,023,575,006	MIAMI	FL	33,150	BANK OF AMERICA NATL ASSOC	NC	561,499	2004-07-14 00:00:00.0
5	1,023,585,009	TULSA	OK	74,115	BANK OF AMERICA NATL ASSOC	NC	454,210	2004-07-14 00:00:00.0
6	1,023,594,005	BARBERTON	OH	44,203	FIRSTMERIT BANK, N.A.	OH	445,310	1997-03-10 00:00:00.0
7	1,023,595,001	LOS ANGELES	CA	90,010	BANK OF AMERICA NATL ASSOC	NC	421,620	2004-07-14 00:00:00.0
8	1,023,605,002	DAYTON	OR	97,114	BANK OF AMERICA NATL ASSOC	NC	561,730	2004-07-14 00:00:00.0
9	1,023,624,001	CALLAHAN	FL	32,011	BUSINESS DEVEL CORP OF N.E. FL	FL	0	1997-03-10 00:00:00.0

I have also received the below mail informing me about the task completed successfully.

Data Replication task "FA\_DB\_RT\_LOAN\_APPROVAL" completed successfully. [Org Name: apex] Inbox x 🖨 🔗

 **admin@informaticacloud.com** 10:40 AM (1 hour ago) ☆ ↩ ⋮

to me ▾

The Data Replication Task **FA\_DB\_RT\_LOAN\_APPROVAL** completed successfully.

Organization ID:	5UJJup1dugNiMP4IqbOqGE
Organization Name:	apex
Start Time:	Oct 8, 2022 9:05:37 PM (PDT)
End Time:	Oct 8, 2022 10:10:11 PM (PDT)
Load Type:	Full Load
Result:	26655 Success Rows, 0 Errors.

You can access your Informatica Cloud account at <https://dm-ap.informaticacloud.com/ma>

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## Replicating entire DB

The screenshot displays the Informatica Data Integration console interface. The main window is titled "New FA\_M4\_RT\_ENTIRE\_DB" and is currently on the "Schedule" tab (Step 5 of 5). The left sidebar shows the project structure with folders like "Explore", "Bundles", "My Jobs", and "My Import/Export Logs". The main content area shows the following configuration options:

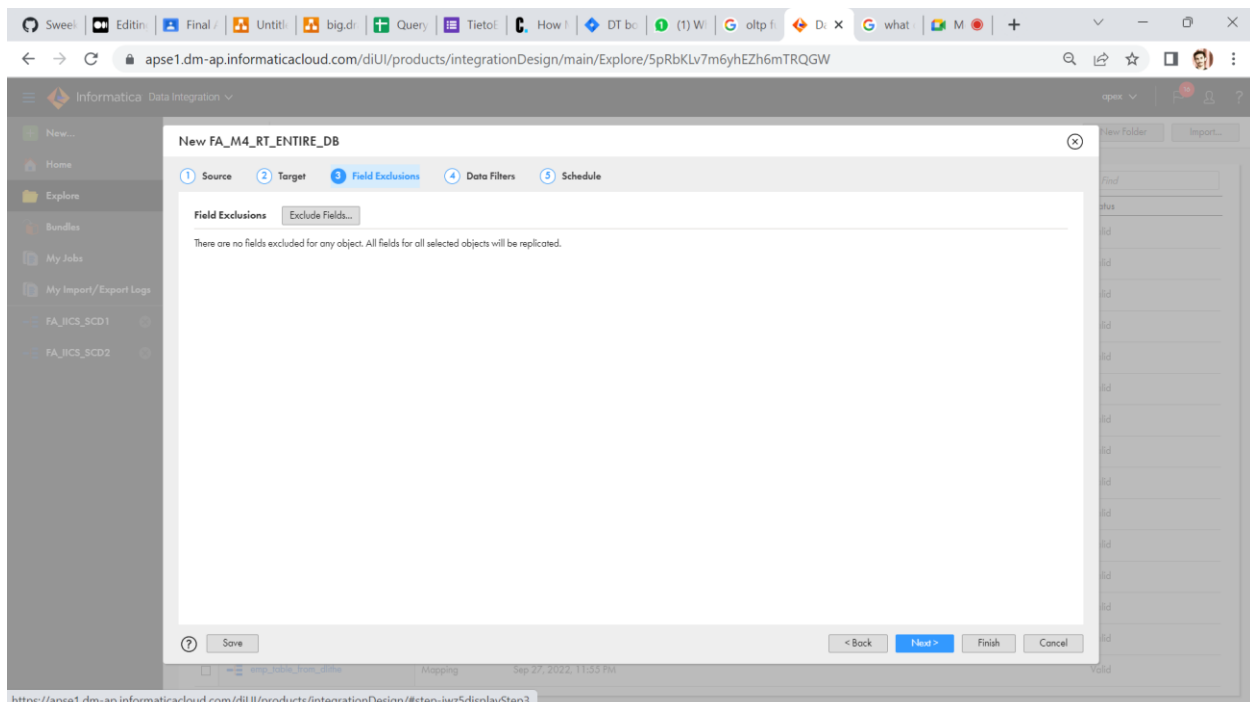
- Schedule Details:**
  - ☒ Do not run this task on a schedule
  - ☐ Run this task on schedule: [Dropdown menu] [New...]
- Email Notification Options:**
  - ☐ Use the default email notification options for my organization
  - ☒ Use custom email notification options for this task:
    - Failure Email Notification: [Text input: ktsweekar@gmail.com]
    - Warning Email Notification: [Text input: ktsweekar@gmail.com]
    - Success Email Notification: [Text input: ktsweekar@gmail.com]
- Execution Mode:**
  - Mode: ☒ Standard ☐ Verbose

At the bottom of the window, there are buttons for "< Back", "Next >", "Finish", and "Cancel". A "Save" button is also present on the left side of the window.

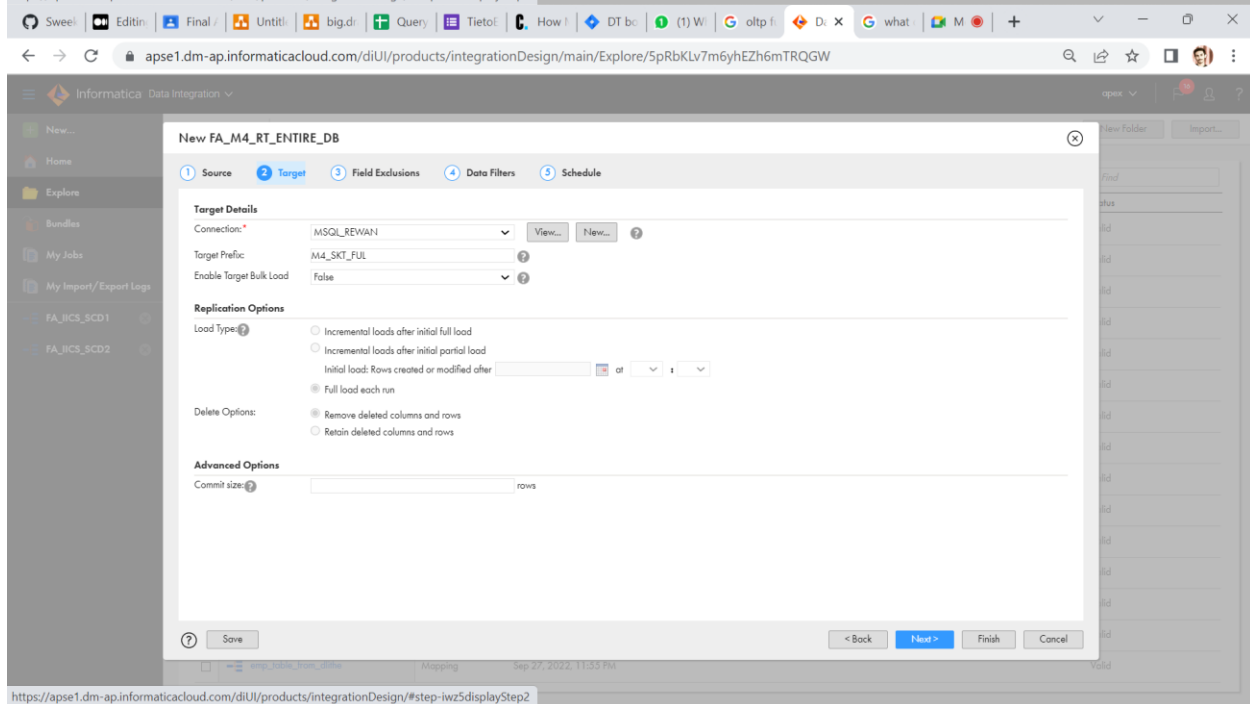
The browser address bar shows the URL: <https://apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/main/Explore/5pRbKLv7m6yhEZh6mTRQGW>.

The second screenshot shows the same configuration window, but with the "Data Filters" tab (Step 4 of 5) selected. The "Row Limit" section shows the option "Process all rows" selected. The "Data Filters" section shows a "New..." button and a message: "There are no filters defined. The task will process all data from source."

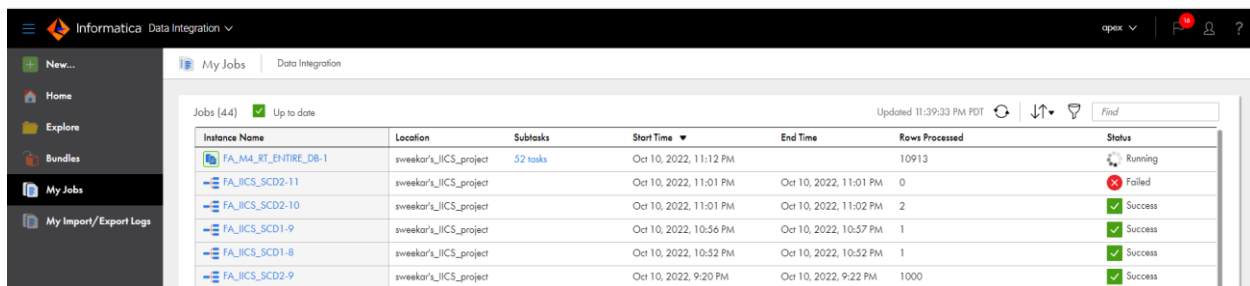
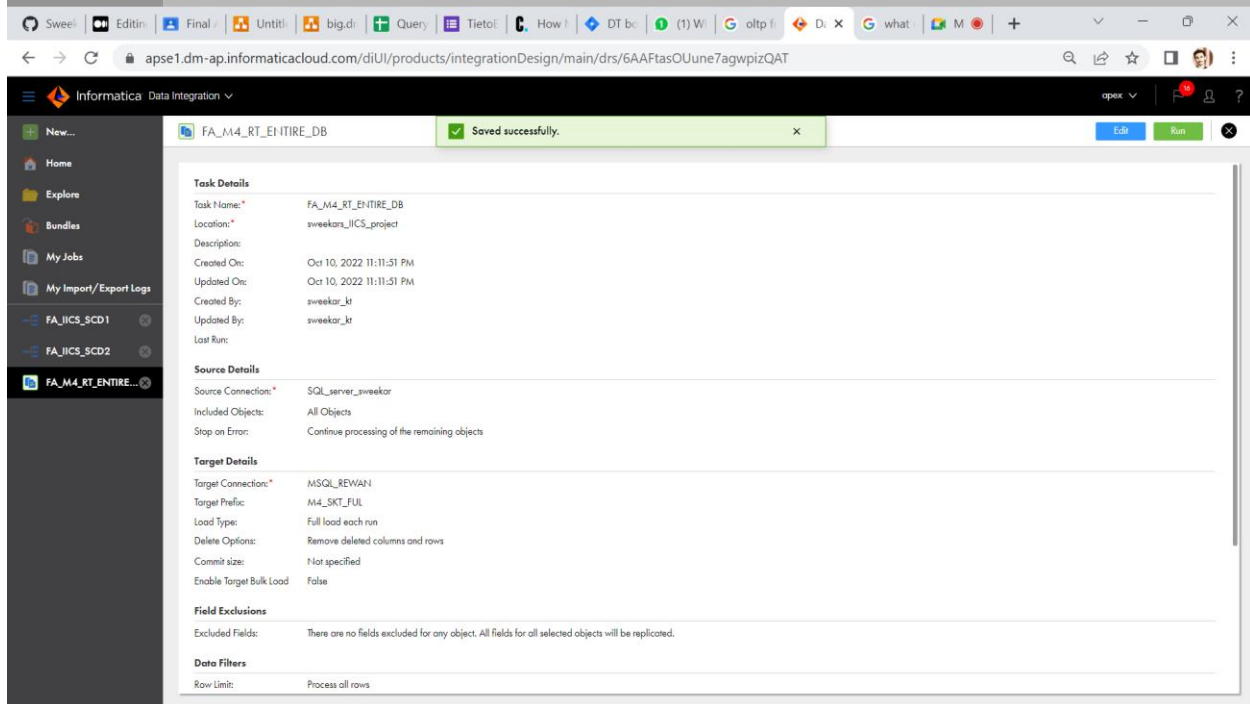
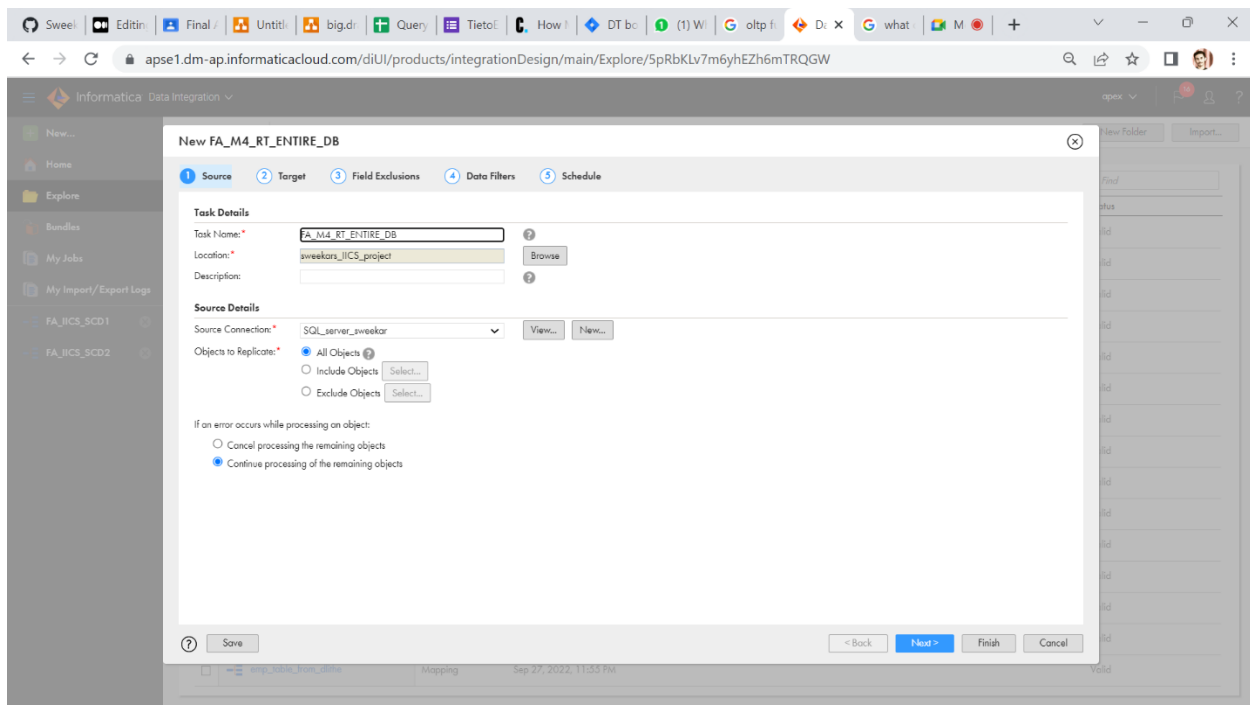




https://apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/#step-iwz5displayStep3



https://apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/#step-iwz5displayStep2



As we can see below the task is executed but with some warnings.

The screenshot shows the Informatica Data Integration interface. The left sidebar contains navigation options: New..., Home, Explore, Bundles, My Jobs, My Import/Export Logs, and FA\_M4\_RT\_ENTIRE... (selected). The main panel displays the job execution details for FA\_M4\_RT\_ENTIRE\_DB-1. The job status is 'Warning' with 141363 success rows and 0 errors. The job properties include: Task Name: FA\_M4\_RT\_ENTIRE\_DB, Instance ID: 1, Task Type: Data Replication, Stop on Error: Continue processing of the remaining objects, Started By: sweekar\_kt through UI, Start Time: Oct 10, 2022 11:12:03 PM, End Time: Oct 11, 2022 5:31:36 AM, Duration: 6 hours, 19 minutes, 33 seconds, and Runtime Environment: Informatica Cloud Hosted Agent. The error message states: 'Invalid field name: Invalid field name: [DRG ID]. Name can only have letters, digits, or underscore.' The recommendation suggests checking individual object results for more information. The individual object results table shows two rows: 'bank\_info' and 'DATA\_BROWER\_OBJECTS', both with a status of 'Success'.

Object Name	End Time	Status	Success Rows	Errors	Error Message	Recommendation
bank_info	Oct 10, 2022 11:34:27 PM	Success	5592	0		
DATA_BROWER_OBJECTS	Oct 10, 2022 11:34:40 PM	Success	107	0		

The warning is that a column name in a table has a <blank space> in it and it is not allowed, that's why having spaces in column names is not a good naming convention, actually all the tables that I have created don't have spaces in their column names, but this error has occurred because when transferring data from excel to OLEDB I had given a option that create new table at runtime and the column name in the excel had the space and it had given the same name for the new column.

As we can also see it has taken around 6 hours to execute and 141363 rows have been transferred so most of the tables have been transferred.