

Module-4 IICS

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

Extract, Transform and Load to new target system - SQL Server

Extract data from SQL and Load to SQL

Step1: Make the Connection to database and select the source table in object .

m_Sqlto_Sql_DFA_IICS_CinemaTicket_Data | Valid

Save Run

Design

Source Target Annotation

Src_DFA_CINEMATICKET_DATA DFA_IICS_CinemaTicket_Data

Properties Preview Src_DFA_CINEMATICKET_DATA

General

Source

Fields

Partitions

Details

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New Parameter...

Source Type: Single Object

Object: DFA_CINEMATICKET_DATA Select... Preview Data...

Query Options

Source Table:

SELECT * FROM DFA_CINEMATICKET_DATA;

Results 1 x

SELECT * FROM DFA_CINEMATICKET_DATA

	Film_Type	film_code	cinema_code	total_sales	tickets_sold	tickets_out	show_time	occu_perc	ticket_price	ti
1	Romance	1492	304	3900000	26	0	4	4.2599999999999998	150000	26
2	Romance	1492	352	3360000	42	0	5	8.0800000000000001	80000	42
3	Romance	1492	489	2560000	32	0	4	20	80000	32
4	Romance	1492	429	1200000	12	0	1	11.01	100000	12
5	Romance	1492	524	1200000	15	0	3	16.6700000000000002	80000	15
6	Romance	1492	71	1050000	7	0	3	0.97999999999999998	150000	7
7	Romance	1492	163	1020000	10	0	3	7.6900000000000004	102000	10
8	Romance	1492	450	750000	5	0	3	1.5700000000000001	150000	5
9	Romance	1492	489	460000	9	0	5	4.8600000000000003	51111.111109999998	9
10	Romance	1492	485	300000	2	0	3	1.45	150000	2
11	Romance	1492	198	280000	4	0	3	0.78000000000000003	70000	4
12	Thriller	1486	187	4000000	70	0	7	3.6200000000000001	57142.85714	70
13	Thriller	1486	431	3480000	48	0	6	30.77	72500	48
14	Thriller	1486	207	1300000	26	0	6	1.6699999999999999	50000	26
15	Thriller	1486	503	840000	13	0	1	81.25	64615.384619999997	13

Save Cancel Script

IST | en | Writable

Overwrite

151 : 1 : 725

Set: 0 | 0

Step2: Connect the source to Target. And make the target connection to database and create the target table .

m_Sqlto_Sql_DFA_IICS_CinemaTicket_Data | Valid

Save Run

Design

Source Target Append

Src_DFA_CINEMATICKET_DATA DFA_IICS_CinemaTicket_Data

Properties Preview DFA_IICS_CinemaTicket_Data

General

Incoming Fields

Target

Target Fields

Field Mapping

Details

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New Parameter...

Target Type: Single Object

Object: DFA_IICS_CinemaTicket_Data Select...

Operation: Insert

Step3: Save and Run the Mapping.

m_Sqlto_Sql_DFA_IICS_CinemaTicket_Data-1 Restart Refresh

Job Properties

Task Name: m_Sqlto_Sql_DFA_IICS_CinemaTicket_Data

Instance ID: 1

Task Type: Mapping

Started By: sujaya_nayak through UI

Start Time: Oct 7, 2022 2:50:47 AM

End Time: Oct 7, 2022 2:55:38 AM

Duration: 4 minutes, 51 seconds

Runtime Environment: Informatica Cloud Hosted Agent

Results

Status: Success

Success Rows: 1899

Errors: 0

Session Log: Download Session Log

Individual Source/Target Results

Name	Success Rows	Errors	Error Message	Actions
Source	1899	0		
Target (DFA_IICS_CinemaTicket_Data)	1899	0		

Step4: Check in database whether data has loaded to the target table.

<div> <div> <div>dlithe> SQL...</div> <div>dbo</div> <div>SUJ_DEPT</div> <div>dlithe> Scrip...</div> <div>dlithe</div> <div><sujoya> Basic...</div> <div>sujoya</div> <div><sujoya> SSIS(...</div> <div><sujoya> IICS...</div> <div><sujoya> DB_Fi...</div> </div> <div> <div>SELECT * from DFA_IICS_CinemaTicket_Data;</div> </div> </div>											
Results 1 x											
<div> <div>SELECT * from DFA_IICS_CinemaTicket_Data</div> <div>Enter a SQL expression to filter results (use Ctrl+Space)</div> </div>											
		asc	asc	asc	asc	asc	asc	asc	asc	asc	asc
	Film_Type	film_code	cinema_code	total_sales	tickets_sold	tickets_out	show_time	occu_perc	ticket_price	ti	
2	Romance	1492	352	3360000	42	0	5	8.0800000000000001	80000	42	
3	Romance	1492	489	2560000	32	0	4	20	80000	32	
4	Romance	1492	429	1200000	12	0	1	11.01	100000	12	
5	Romance	1492	524	1200000	15	0	3	16.6700000000000002	80000	15	
6	Romance	1492	71	1050000	7	0	3	0.97999999999999998	150000	7	
7	Romance	1492	163	1020000	10	0	3	7.69000000000000004	102000	10	
8	Romance	1492	450	750000	5	0	3	1.57000000000000001	150000	5	
9	Romance	1492	489	460000	9	0	5	4.86000000000000003	51111.111109999998	9	
10	Romance	1492	485	300000	2	0	3	1.45	150000	2	
11	Romance	1492	198	280000	4	0	3	0.78000000000000003	70000	4	
12	Thriller	1486	187	4000000	70	0	7	3.62000000000000001	57142.85714	70	
13	Thriller	1486	431	3480000	48	0	6	30.77	72500	48	
14	Thriller	1486	207	1300000	26	0	6	1.66999999999999999	50000	26	
15	Thriller	1486	503	840000	13	0	1	81.25	64615.384619999997	13	
16	Thriller	1486	466	240000	4	0	3	0.78000000000000003	60000	4	
17	Horror	1484	368	5850000	117	0	1	31.6200000000000001	50000	117	
18	Horror	1484	480	5700000	95	46	2	43.18	60000	49	
19	Horror	1484	492	5400000	99	3	1	47.6000000000000001	54545.454550000002	96	
20	Horror	1484	429	5200000	52	0	1	47.7100000000000001	100000	52	
21	Horror	1484	531	4980000	83	0	3	33.7400000000000002	60000	83	
22	Horror	1484	202	4800000	80	0	2	21.88	60000	80	

Save Cancel Script

200

200+

Rows: 1

200 row(s) fetched - 435ms (60ms fetch), on 2022-11

IST en Writable

Smart Insert

4 : 1 : 47

Sel: 0 | 0

Create data replication task (single table and FULL DB)

Replication Task

Single Table Replication

Step1: Give the Task Name and Make the source connection to database and select single Table which are needs to be Replicated to another database.

The screenshot shows the 'Edit t_ReplicationTask_Singletable' dialog box with the 'Source' tab selected. The dialog has a title bar with a close button (X) and a tab bar with five tabs: 'Source' (selected), 'Target', 'Field Exclusions', 'Data Filters', and 'Schedule'. The 'Task Details' section contains three fields: 'Task Name' (t_ReplicationTask_Singletable), 'Location' (Sujaya_IICS), and 'Description' (Single table Replication). The 'Source Details' section contains a 'Source Connection' dropdown (MSQL_REWAN), a 'View...' button, a 'New...' button, and 'Objects to Replicate' options. The 'Include Objects' option is selected, and a list box shows 'SUJ_DFA_COVIDHEALTHCARE_DATA'. The 'Exclude Objects' option is also present with a 'Select...' button. At the bottom, there is a 'Save' button, a '< Back' button, a 'Next >' button, a 'Finish' button, and a 'Cancel' button.

Task Name:

Location:

Description:

Source Connection:

Objects to Replicate:

- ☐ All Objects
- ☒ Include Objects
- ☐ Exclude Objects

Step2: Click on Target and make the target database connection and provide the Target Prefix for the table that has to be replicated.

Edit t_ReplicationTask_Singletable ✕

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

Target Details

Connection: Sujoya_MySQL View... New... ?

Target Prefix: RST_IICS ?

Enable Target Bulk Load: False ?

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: 100 rows

? Save < Back Next > Finish Cancel

Step3:Go to Schedule select the preferred schedule type and provide email for Status notification. And Click Finish.

Edit t_ReplicationTask_Singletable ✕

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: sujoyanayak10@gmail.com

Warning Email Notification: sujoyanayak10@gmail.com

Success Email Notification: sujoyanayak10@gmail.com

? Save < Back Next > Finish Cancel

Step4:Save and Run the Mapping.

t_ReplicationTask-1

RestartRefresh

Job Properties

Task Name: t_ReplicationTask
Instance ID: 1
Task Type: Data Replication
Stop on Error: Cancel processing the remaining objects
Started By: sujaya_nayak through UI
Start Time: Oct 7, 2022 3:38:19 AM
End Time: Oct 7, 2022 3:42:18 AM
Duration: 3 minutes, 59 seconds
Runtime Environment: Informatica Cloud Hosted Agent

Results

Status: Success
Success Rows: 1442
Errors: 0

Individual Object Results

Object Name	End Time	Status	Success Rows	Errors	Error Message	Recommendation
SUJ_DFA_COVIDHEALTHCARE_DATA	Oct 7, 2022 3:42:18 AM	Success	1442	0		

Step5: Check in database whether the table has replicated to the database.

SELECT * FROM RST_IICSSUJ_DFA_COVIDHEALTHCARE_DATA;

Results 1 x

Grid

DRG_ID

DRG_DEFINITION

PROVIDER_ID

PROVIDER_NAME

PROVIDER_STREET_ADDRESS

PROVIDER_CITY

1

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10001

SOUTHEAST ALABAMA MEDICAL CENTER

1108 ROSS CLARK CIRCLE

DOTHAN

2

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10005

MARSHALL MEDICAL CENTER SOUTH

2505 U S HIGHWAY 431 NORTH

BOAZ

3

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10006

ELIZA COFFEE MEMORIAL HOSPITAL

205 MARENGO STREET

FLORENCE

4

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10011

ST VINCENT'S EAST

50 MEDICAL PARK EAST DRIVE

BIRMINGHAM

5

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10016

SHELBY BAPTIST MEDICAL CENTER

1000 FIRST STREET NORTH

ALABASTER

6

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10023

BAPTIST MEDICAL CENTER SOUTH

2105 EAST SOUTH BOULEVARD

MONTGOMERY

7

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10029

EAST ALABAMA MEDICAL CENTER AND S

2000 PEPPERELL PARKWAY

OPELIKA

8

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10033

UNIVERSITY OF ALABAMA HOSPITAL

619 SOUTH 19TH STREET

BIRMINGHAM

9

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10039

HUNTSVILLE HOSPITAL

101 SIVLEY RD

HUNTSVILLE

10

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10040

GADSDEN REGIONAL MEDICAL CENTER

1007 GOODYEAR AVENUE

GADSDEN

11

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10046

RIVERVIEW REGIONAL MEDICAL CENTER

600 SOUTH THIRD STREET

GADSDEN

12

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10055

FLOWERS HOSPITAL

4370 WEST MAIN STREET

DOTHAN

13

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10056

ST VINCENT'S BIRMINGHAM

810 ST VINCENT'S DRIVE

BIRMINGHAM

14

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10078

NORTHEAST ALABAMA REGIONAL MEDICAL CENTER

400 EAST 10TH STREET

ANNISTON

15

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10083

SOUTH BALDWIN REGIONAL MEDICAL CENTER

1613 NORTH MCKENZIE STREET

FOLEY

16

39

EXTRACRANIAL PROCEDURES W/O CC/MCC

10085

DECATUR GENERAL HOSPITAL

1201 7TH STREET SE

DECATUR

Save Cancel Script

IST en Writable

Smart Insert

5 : 52 : 100

Sel: 0 | 0

Full DB Replication

Step1: Step1: Give the Task Name .Make the source connection to database and select Multiple Tables which are needs to be Replicated to another database.

Edit t_ReplicationTask2_FullDB

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

Task Details

Task Name: * ?

Location: * Browse

Description: ?

Source Details

Source Connection: * View... New...

Objects to Replicate: *

☒ All Objects ?

☒ Include Objects Select...

- SUJ_ADDRESS
- SUJ_CUSTOMER
- SUJ_DEP1
- SUJ_DEPT
- SUJ_E1
- SUJ_E13NF
- SUJ_E13NF1
- SUJ_E7

☐ Exclude Objects Select...

Save < Back Next > Finish Cancel

Step2: Click on Target and make the target database connection and provide the Target Prefix for the table that has to be replicated.

Edit t_ReplicationTask2_FullDB

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

Step3:Go to Schedule select the preferred schedule type and provide email for Status notification. And Click Finish.

Edit t_ReplicationTask2_FullDB

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:

?

Email Notification Options

☐ Use the default email notification options for my organization

☒ Use custom email notification options for this task:

Failure Email Notification:

Warning Email Notification:

Success Email Notification:

?

Step4:Save and Run the Mapping.

t_ReplicationTask2_FullDB
Edit
Run

Task Details

Task Name: t_ReplicationTask2_FullDB

Location: Sujaya_IICS

Description: Full DB Replication

Created On: Oct 7, 2022 4:25:38 AM

Updated On: Oct 9, 2022 9:07:34 PM

Created By: sujaya_nayak

Updated By: sujaya_nayak

Last Run: Oct 7, 2022 4:25:48 AM

Source Details

Source Connection: *MSQL_REVAI

Included Objects:
SUJ_ADDRESS, SUJ_CUSTOMER, SUJ_DEPT, SUJ_DEPT, SUJ_E1, SUJ_E13NF, SUJ_E13NF1, SUJ_E7, SUJ_EMP, SUJ_EMP1, SUJ_EMP3, SUJ_EMP4, SUJ_EMP5, SUJ_EMP7, SUJ_EMPLOYEE, SUJ_EMPLOYEE1, SUJ_EMPNEV, SUJ_EMPNEWSALARY, SUJ_FCMARKS, SUJ_JOINS, SUJ_MARKS, SUJ_NEWSALARY, SUJ_NEWSALARYUP, SUJ_NPMARKS, SUJ_ORDER, SUJ_PMARKS, SUJ_S_YEAR2020, SUJ_S_YEAR2021, SUJ_S_YEAR2022, SUJ_SDNT1, SUJ_STUD, SUJ_STUDNT, SUJ_SUPERSTORE, SUJ_TEACHER, SUJ_TEACHER1NF, SUJ_TEACHER1NF2, SUJ7_EMP, SJN_ACCOUNT, SJN_EMPLOYEE, SJ_CLASS, SJ_CLASS2, SJ_CLASS3, SJ_HEALTH, SJ_STORE

Stop on Error: Cancel processing the remaining objects

Target Details

Target Connection: *Sujaya_MySQL

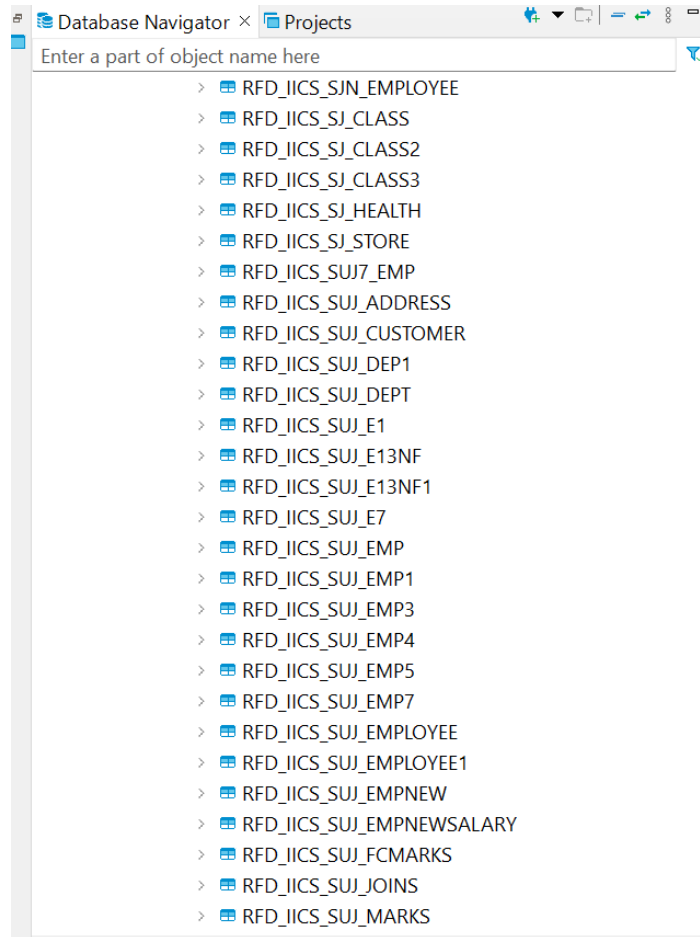
Target Prefix: RFD_IICS_

Load Type: Full load each run

Delete Options: Remove deleted columns and rows

Step5: Check in database whether the table has replicated to the database.

Replicated Tables in Database.

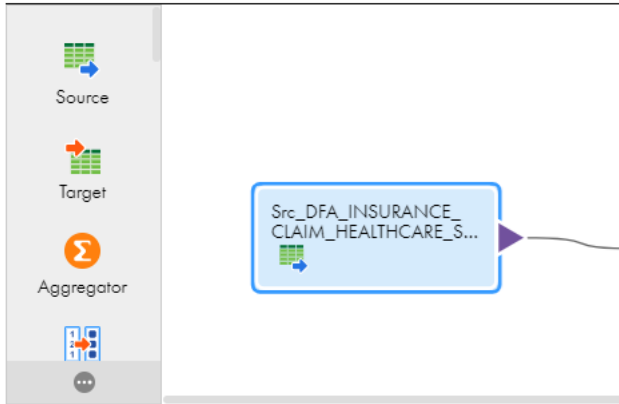


Perform SCD 1 & SCD2 dimension table modelling

Scd-1

Step1: Select source and make the connection to Database and select the table in object.

Design



Properties Preview

Src_DFA_IN ISURANCE_CLAIM_HEALTHCARE_SCDtype1_SOURCE

General

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New Parameter...

Source Type: Single Object

Fields

Object: DFA_INSURANCE_CLAIM_HEALTHCARE_SC Select... Preview Data...

Partitions

Source Table:

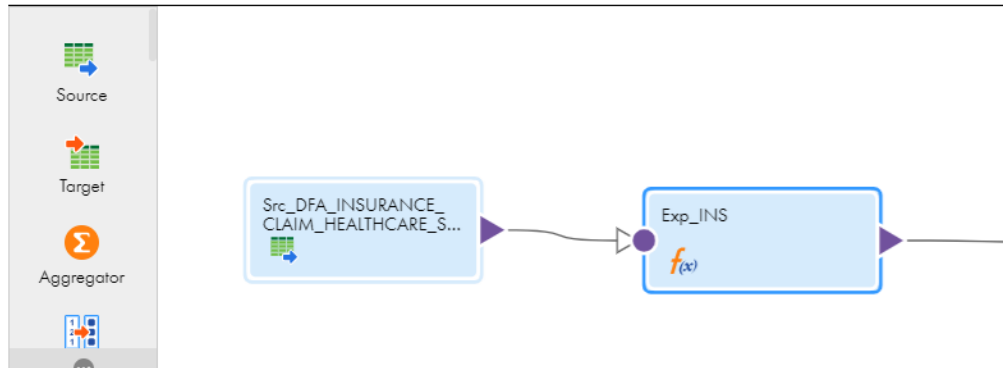
Results 1 ×

SELECT * FROM DFA_INSURANCE_C

	PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	SURGERY_COD
1	1	56	Female	BC	M6	NEPHROLOGY	M6.5
2	2	37	Male	BC	M6	NEPHROLOGY	M6.5
3	3	50	Male	BC	M6	NEPHROLOGY	M6.5
4	4	45	Male	BC	M6	NEPHROLOGY	M6.5
5	5	54	Male	BC	M6	NEPHROLOGY	M6.5
6	6	35	Male	OC	M6	NEPHROLOGY	M6.5
7	7	52	Male	OC	M6	NEPHROLOGY	M6.5
8	8	73	Male	BC	M6	NEPHROLOGY	M6.5
9	9	56	Male	OC	S7	CARDIAC AND CARDIOTHORACIC SURGE	S7.1.1.1
10	10	57	Male	BC	S7	CARDIAC AND CARDIOTHORACIC SURGE	S7.2.1.1

Step2: Drag and Drop the Expression and connect the source to expression. And click on Expression. Create the required fields and Validate the expression. Create the field Check Sum using MD5 function.

Design



Properties	Preview	Expression
Incoming Fields	O_PID	PID
	O_AGE	AGE
Expression	O_GENDER	GENDER
Window	O_CASTE_NAME	CASTE_NAME
	O_DISTRICT_NAME	DISTRICT_NAME
Advanced	O_CHECKSUM	MD5(PID AGE GENDER CASTE_NAME DISTRICT_NAME)

Step3: Drag and Drop Lookup and connect the Expression to Lookup. And click on Lookup object and make the connection to database and select the target table.

Design

Properties Preview **Look_DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype1_TGT**

General

Incoming Fields

Lookup Object

Lookup Condition

Lookup Object Details

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New

Source Type: Single Object

Lookup Object: DFA_IICS_INSURANCE_CLAIM_HEALTHCAR Select... Preview Data...

Step4: Click on Lookup condition and give the Lookup condition.

Properties Preview **Look_DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype1_TGT**

General

Incoming Fields

Lookup Object

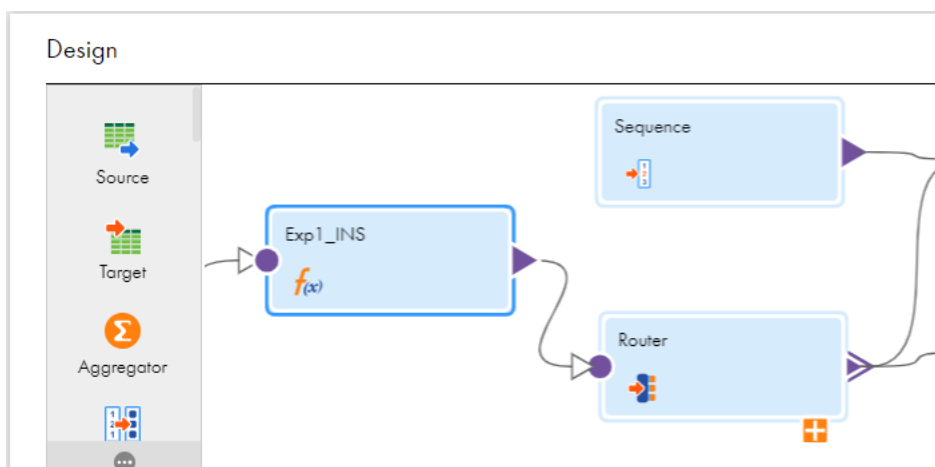
Lookup Condition

Lookup Condition: Simple

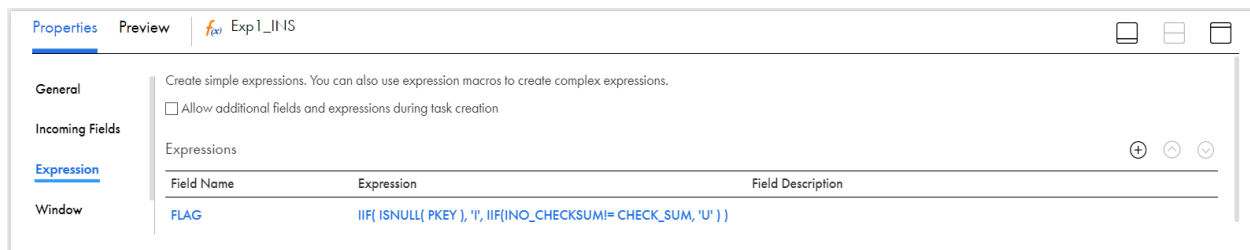
Lookup Conditions

Lookup Field	Operator	Incoming Field
PID	=	INO_PID

Step5: Drag and Drop Expression ,Router and Sequence.



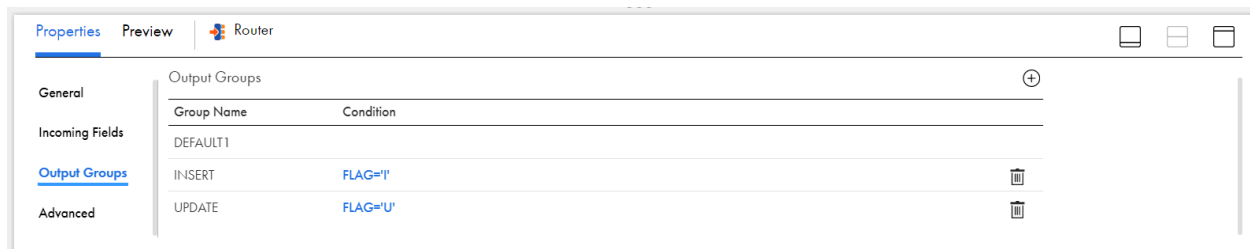
Step6: Create new Field FLAG and create the Expression and Validate the expression.



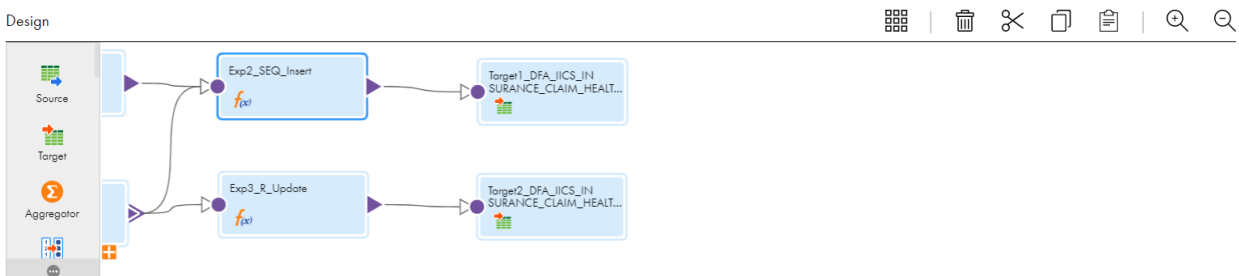
Step7: Click on Sequence and check the Generated Fields.



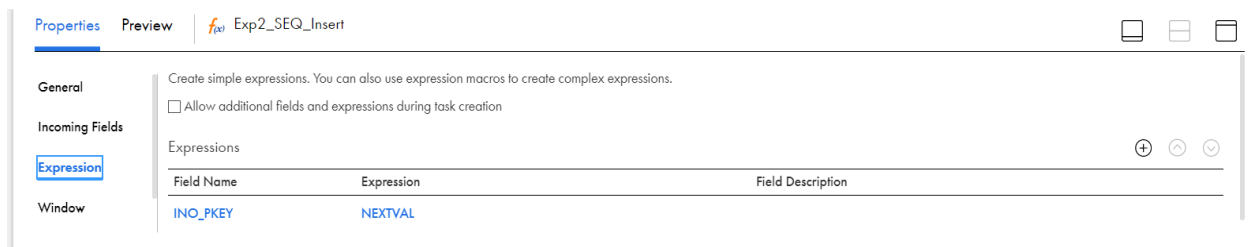
Step8: Click on Router and Generate the Output Group Insert and Update.



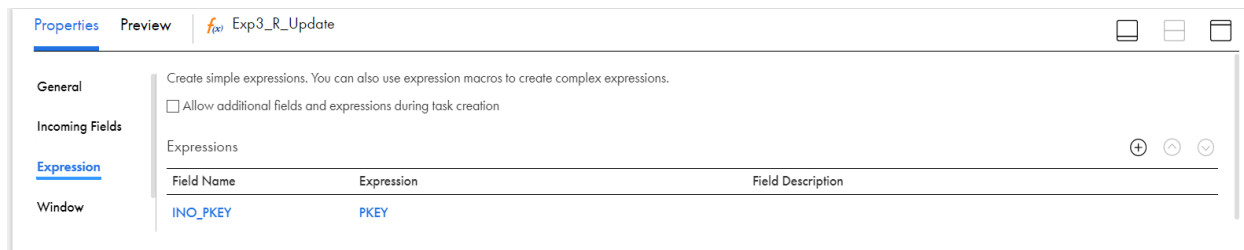
Step9: Drag and Drop two Expression and Connect Output of Sequence and Router to one Expression and another output to the other Expression.



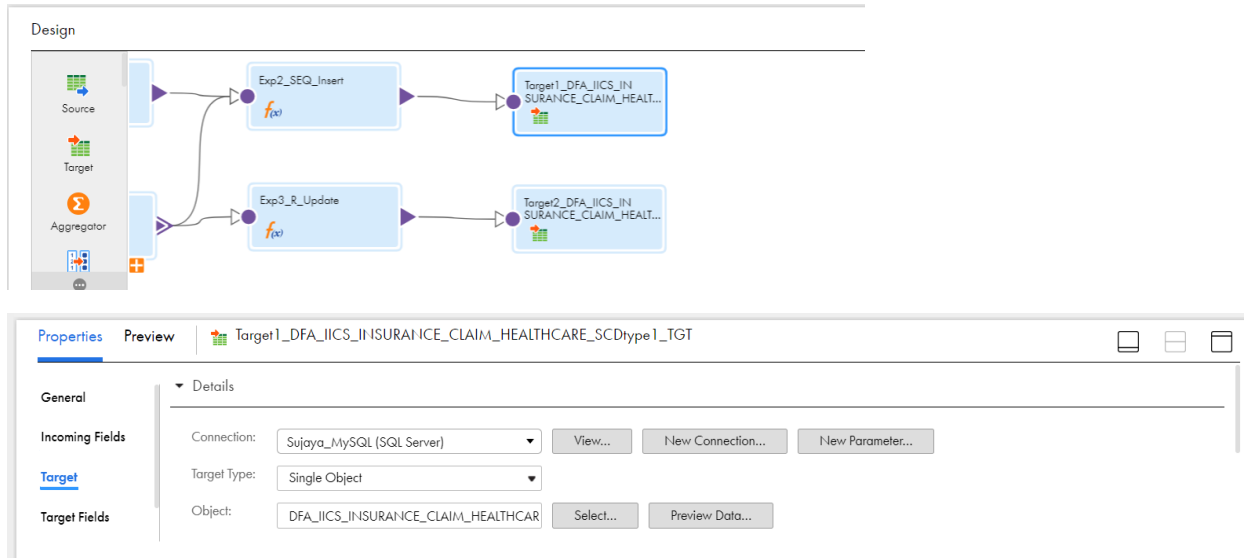
Step10: Click on Expression2 and generate Expression and Validate the Expression.



Step11: Click on Expression3 and generate Expression and Validate the Expression.

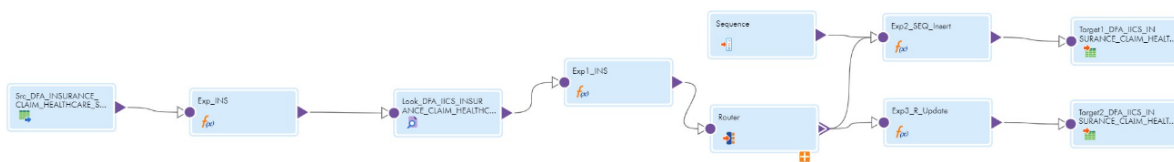


Step12: Connect the output of Expression2 to Target1 and output of Expression3 to Target2. And Click on Target and make the connection to Database and select the target table.



Step13: Save and Run the mapping.

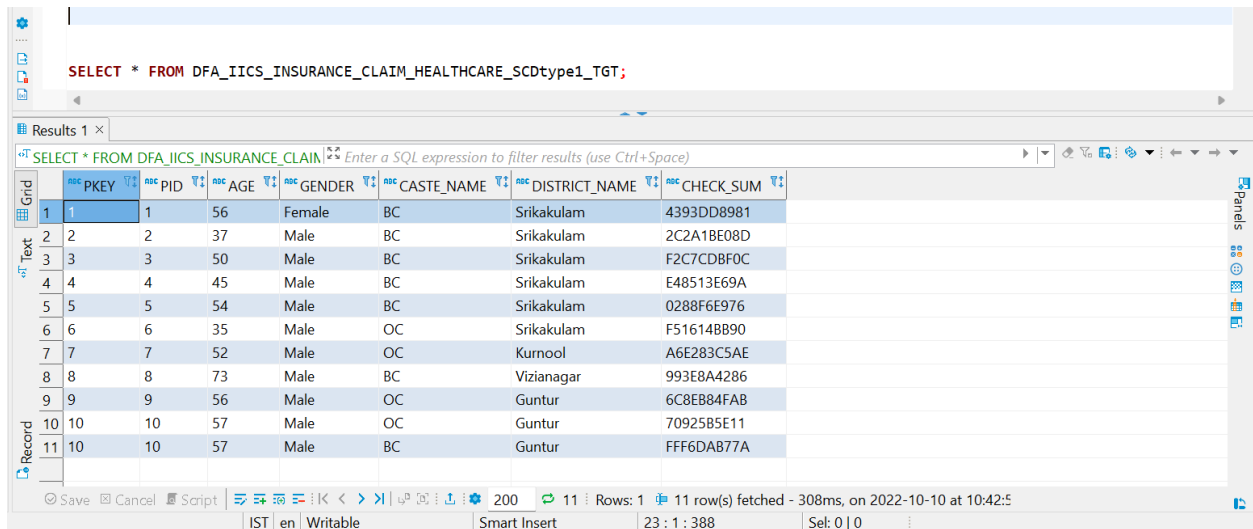
Mapping Image: m_Scdtype1_DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype1_TGT



Step14: Check in Database whether the data has loaded to destination table. Update the Source table and run the mapping again.

```
update DFA_INSURANCE_CLAIM_HEALTHCARE_SCDtype1_SOURCE
set CASTE_NAME= 'BC'
where pid=10;
```

Step15: Check in database to view the updated record.

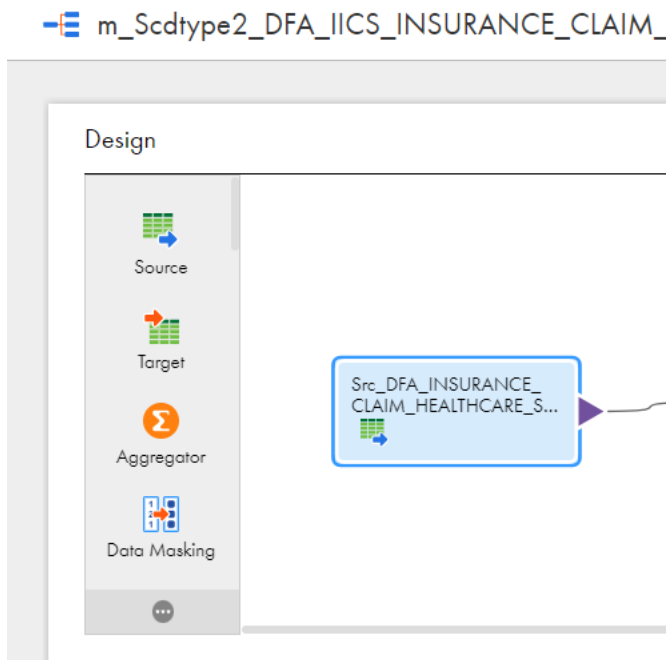


The screenshot shows a database query tool interface. At the top, a SQL query is entered: `SELECT * FROM DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype1_TGT;`. Below the query, the results are displayed in a table with 11 rows. The columns are: PKEY, PID, AGE, GENDER, CASTE_NAME, DISTRICT_NAME, and CHECK_SUM. The status bar at the bottom indicates that 11 rows were fetched in 308ms on 2022-10-10 at 10:42:5.

	PKEY	PID	AGE	GENDER	CASTE_NAME	DISTRICT_NAME	CHECK_SUM
1	1	1	56	Female	BC	Srikakulam	4393DD8981
2	2	2	37	Male	BC	Srikakulam	2C2A18E08D
3	3	3	50	Male	BC	Srikakulam	F2C7CDBF0C
4	4	4	45	Male	BC	Srikakulam	E48513E69A
5	5	5	54	Male	BC	Srikakulam	0288F6E976
6	6	6	35	Male	OC	Srikakulam	F51614B890
7	7	7	52	Male	OC	Kurnool	A6E283C5AE
8	8	8	73	Male	BC	Vizianagar	993E8A4286
9	9	9	56	Male	OC	Guntur	6C8EB84FAB
10	10	10	57	Male	OC	Guntur	70925B5E11
11	10	10	57	Male	BC	Guntur	FFF6DAB77A

Scd2

Step1: Select source and make the connection to Database and select the table in object.



Properties Preview Src_DFA_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_SOURCE

General

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New Parameter...

Source Type: Single Object

Object: DFA_INSURANCE_CLAIM_HEALTHCARE_SC Select... Preview Data...

Fields

Source Table:

SELECT * FROM DFA_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_SOURCE;

Results 1 x

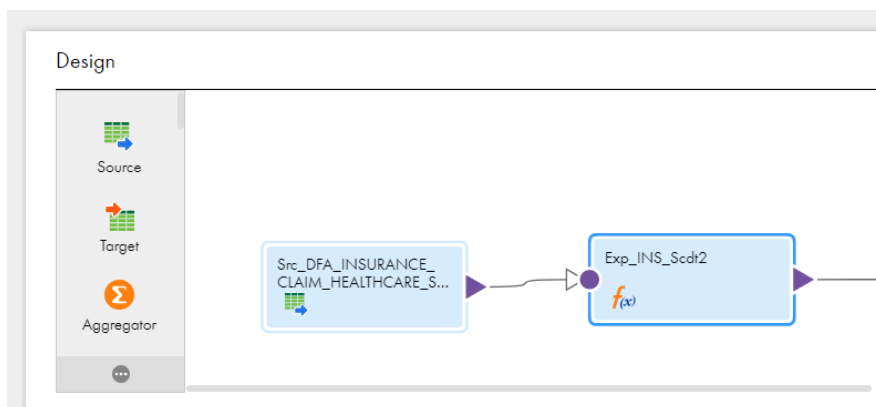
Enter a SQL expression to filter results (use Ctrl+Space)

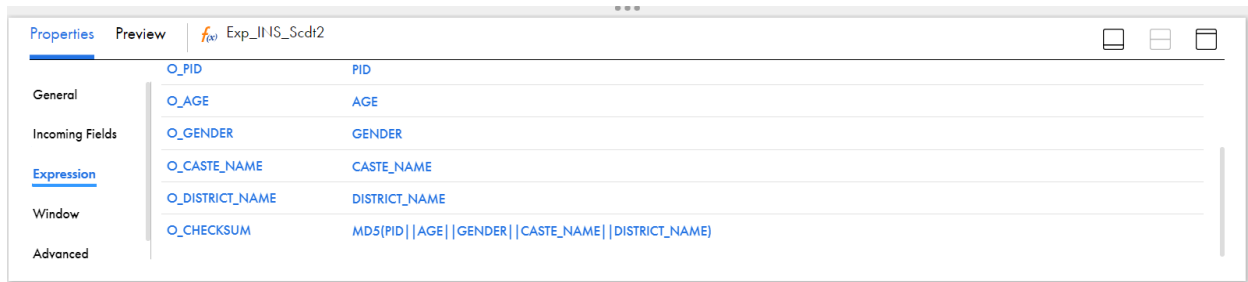
	PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	SURGERY_CODE	SURGERY
1	1	56	Female	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialys
2	2	37	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialys
3	3	50	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialys
4	4	45	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialys
5	5	54	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialys
6	6	35	Male	OC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialys
7	7	52	Male	OC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialys
8	8	73	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialys
9	9	56	Male	OC	S7	CARDIAC AND CARDIOTHORACIC SURGERY	S7.1.1.1	Coronary Balloon Angiop
10	10	72	Male	OC	S7	CARDIAC AND CARDIOTHORACIC SURGERY	S7.2.1.1	Coronary Bypass Surgery

Save Cancel Script 200 Rows: 1 10 row(s) fetched - 274ms, on 2022-10-10 at 16:58:1

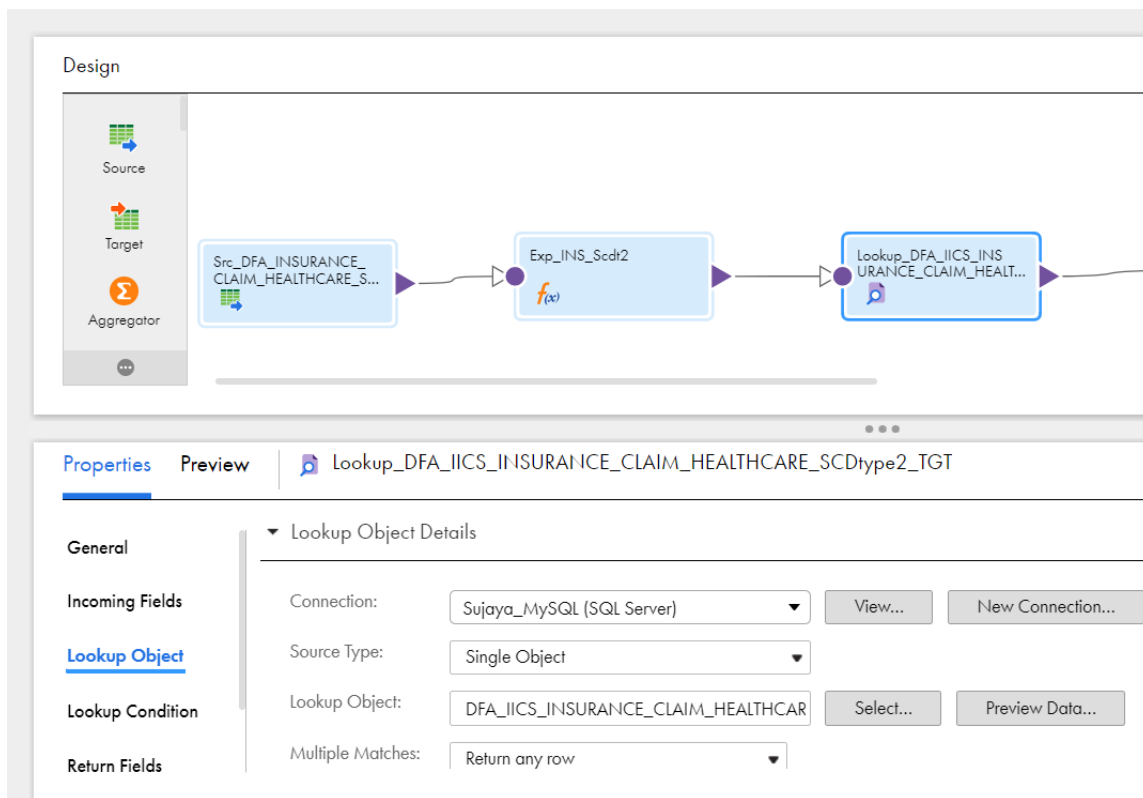
IST en Writable Overwrite 405 : 100 : 18502 Sel: 0 | 0

Step2: Drag and Drop the Expression and connect the source to expression. And click on Expression. Create the required fields and Validate the expression. Create the field Check Sum using MD5 function

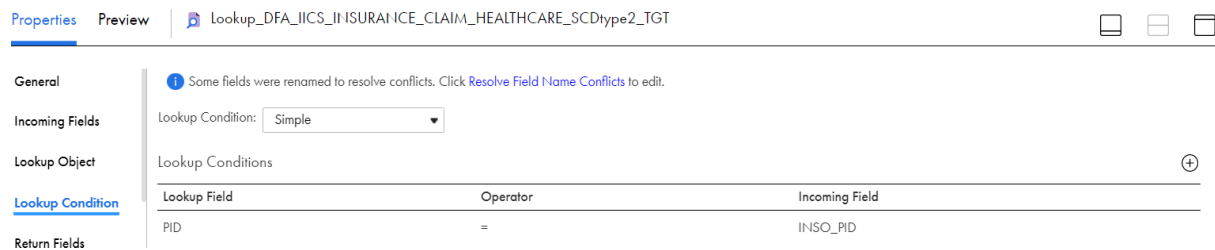




Step3: Drag and Drop Lookup and connect the Expression to Lookup. And click on Lookup object and make the connection to database and select the target table.



Step4: Click on Lookup condition and give the Lookup condition.



Step5: Drag and Drop Expression ,Router and Sequence and Create new Field FLAG and create the Expression and Validate the expression.

Design

Properties Preview **Exp1_INS_Scdt2**

General

Create simple expressions. You can also use expression macros to create complex expressions.

☐ Allow additional fields and expressions during task creation

Incoming Fields

Expression

Expressions

Field Name	Expression	Field Description
FLAG	IIF(ISNULL(PKEY), 'I', IIF(INSO_CHECKSUM!= CHECK_SUM, 'IU'))	

Window

Advanced

Step6: Click on Sequence and check the Generated Fields.

Properties Preview **Sequence**

Advanced

Generated Fields

Field Name	Type	Precision	Scale	Origin
NEXTVAL	bigint	19	0	Sequence
CURRVAL	bigint	19	0	Sequence

Step7: Click on Router and Generate the Output Group Insert ,Update and Insert.

Properties Preview **Router**

General

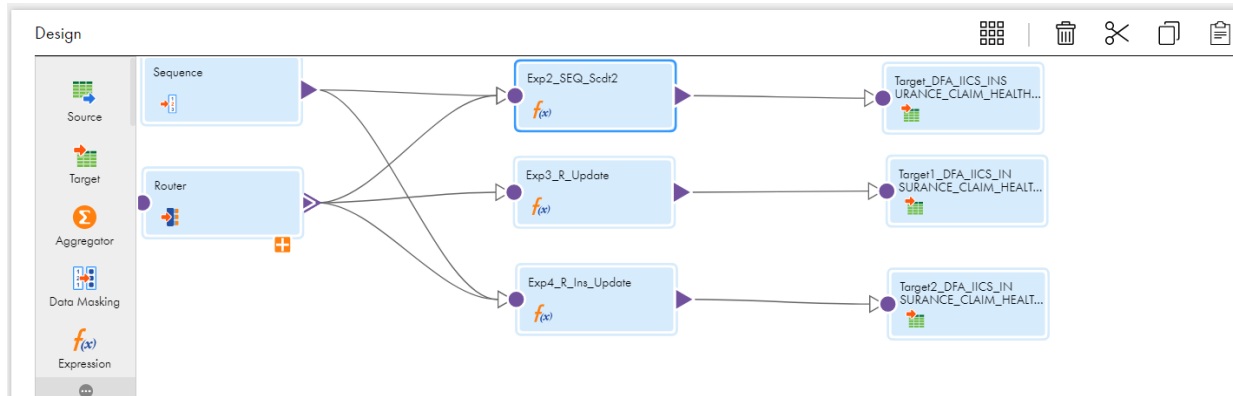
Output Groups (+)

Group Name	Condition
DEFAULT1	
INSERT	FLAG='I'
INSERT_UPDATE	FLAG='IU'

Output Groups

Advanced

Step8: Drag and Drop three Expression and Connect Output of Sequence and Router to Expression2 and another output to the Expression4 i.e both Insert Expression and Connect the another output of Router to Expression3 i.e Update Expression.



Step9: Click on Expression2 and generate Expression and Validate the Expression.

Properties Preview **f(x)** Exp3_R_Update

General

Incoming Fields

Expression

Window

Advanced

Create simple expressions. You can also use expression macros to create complex expressions.

☐ Allow additional fields and expressions during task creation

Expressions

Field Name	Expression	Field Description
INSO_PKEY	PKEY	
INSO_EDATE	SYSDATE	

Step10: Click on Expression3 and generate Expression and Validate the Expression.

Properties Preview **f(x)** Exp4_R_Ins_Update

General

Incoming Fields

Expression

Window

Advanced

☐ Allow additional fields and expressions during task creation

Expressions

Field Name	Expression	Field Description
INSO_PKEY	NEXTVAL	
INSO_SDATE	SYSDATE	
INSO_EDATE	TO_DATE('9999-12-31','YYYY-MM-DD')	

Step11: Click on Expression3 and generate Expression and Validate the Expression.

Properties Preview **Exp2_SEQ_Scdt2**

☐ Allow additional fields and expressions during task creation

General

Incoming Fields

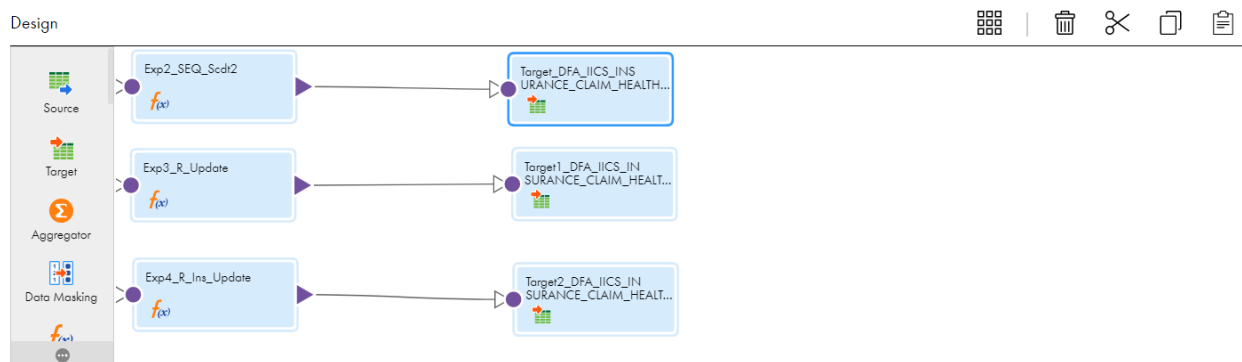
Expression

Window

Advanced

Field Name	Expression	Field Description
INS_O_PKEY	NEXTVAL	
INS_O_SDATE	SYSDATE	
INSO_EDATE	TO_DATE('9999-12-31','YYYY-MM-DD')	

Step12: Connect the output of Expression2 to Target and output of Expression3 to Target1 and output of Expression3 to Target2.



Step13: Click on Target and make the connection to Database and select the target table.

Properties Preview **Target_DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_TGT**

General

Target

Target Fields

Field Mapping

Details

Connection: **Sujaya_MySQL (SQL Server)** View... New Connection... New Parameter...

Target Type: **Single Object**

Object: **DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_TGT** Select... Preview Data...

Operation: **Insert**

☐ Truncate target

Properties Preview Target1_DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_TGT

General

Incoming Fields

Target

Target Fields

Field Mapping

Details

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New Parameter...

Target Type: Single Object

Object: DFA_IICS_INSURANCE_CLAIM_HEALTHCAR Select... Preview Data...

Operation: Update

Update Columns: PKEY Edit...

Properties Preview Target2_DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_TGT

General

Incoming Fields

Target

Target Fields

Field Mapping

Details

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New Parameter...

Target Type: Single Object

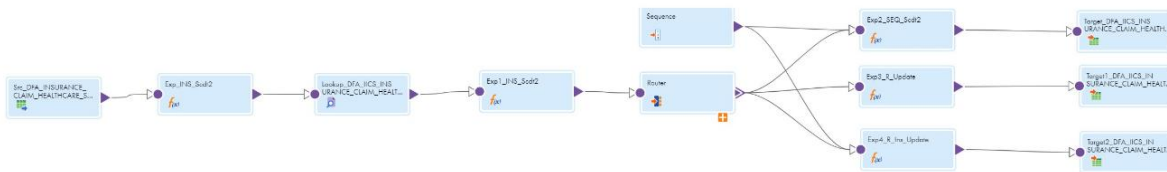
Object: DFA_IICS_INSURANCE_CLAIM_HEALTHCAR Select... Preview Data...

Operation: Insert

☐ Truncate target

Step13: Save and Run the mapping.

Mapping Image: m_Scdtype2_DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_TGT



Step14: Check in Database whether the data has loaded to destination table. Update the Source table and run the mapping again.

<dlithe> SQL_... dbo SUJ_DEPT <dlithe> Scrip... dlithe <sujaya> Basic... sujaya

```

UPDATE DFA_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_SOURCE
SET AGE=72
WHERE PID=10;

```

Step15: Check in database to view the updated record.

SELECT * FROM DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_TGT;

Results 1 x

SELECT * FROM DFA_IICS_INSURANCE_CLAIM_HEALTHCARE_SCDtype2_TGT; Enter a SQL expression to filter results (use Ctrl+Space)

	PKEY	PID	AGE	GENDER	CASTE_NAME	DISTRICT_NAME	CHECK_SUM	SDATE	EDATE
1	1	1	56	Female	BC	Srikakulam	4393DD8981	2022-10-08	9999-12-31
2	2	2	37	Male	BC	Srikakulam	2C2A18E08D	2022-10-08	9999-12-31
3	3	3	50	Male	BC	Srikakulam	F2C7CDBF0C	2022-10-08	9999-12-31
4	4	4	45	Male	BC	Srikakulam	E48513E69A	2022-10-08	9999-12-31
5	5	5	54	Male	BC	Srikakulam	0288F6E976	2022-10-08	9999-12-31
6	6	6	35	Male	OC	Srikakulam	F516148B90	2022-10-08	9999-12-31
7	7	7	52	Male	OC	Kurnool	A6E283C5AE	2022-10-08	9999-12-31
8	8	8	73	Male	BC	Vizianagar	993E8A4286	2022-10-08	9999-12-31
9	9	9	56	Male	OC	Guntur	6C8EB84FAB	2022-10-08	9999-12-31
10	10	10	49	Male	OC	Guntur	C0A4940EE8	2022-10-08	2022-10-10
11	1	10	72	Male	OC	Guntur	268EDA9691	2022-10-10	9999-12-31

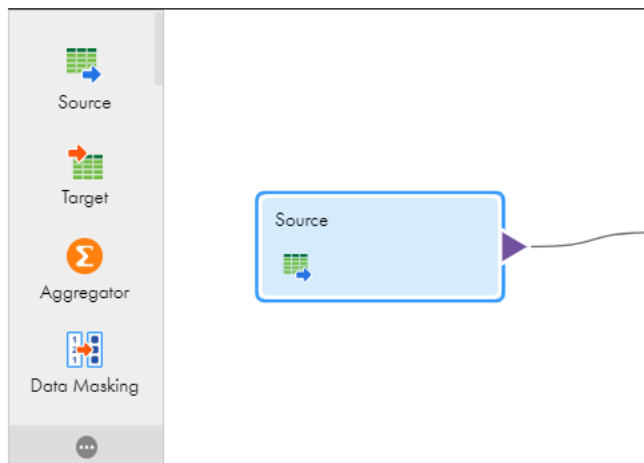
Save Cancel Script 200 11 Rows: 1 11 row(s) fetched - 437ms (1ms fetch), on 2022-10-1

IST en Writable Smart Insert 39 : 12 : 717 Sel: 0 | 0

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

Step1:Select source and Make the connection to database. And select the source table.

Design



Properties Preview Source

General

Source

Fields

Partitions

Details

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New Parameter...

Source Type: Single Object

Object: DFA_IICS_CinemaTicket_Data Select... Preview Data...

Step2: Drag and Drop the Aggregator Function and connect the source and Click on Aggregate and Write the Aggregate function to a required column.

Design

Source

Target

Aggregator

Properties Preview Aggregator

General

Incoming Fields

Group By

Aggregate

Create simple aggregate expressions. You can also use expression macros to create complex a

☐ Allow additional fields and expressions during task creation

Aggregate

Field Name	Expression
Count_Ticket_Sold	COUNT(tickets_sold)

Step3:Connect the Aggregator Function to the Target table and Click on Target and make the connection to database and select the Target table.

Design

Properties Preview Target

General

Incoming Fields

Target

Target Fields

Details

Connection: Sujaya_MySQL (SQL Server) View... New Connection... New Parameter...

Target Type: Single Object

Object: DFA_IICS_CINEMATICKE_SALES_AGGREGA Select... Preview Data...

Step4:Save and Run the Mapping.

Runtime Environment: Informatica Cloud Hosted Agent

Mapping: m_Aggregate_DFA_IICS_CINEMATICKE_SALES...

Mapping Image: m_Aggregate_DFA_IICS_CINEMATICKE_SALES_AGGREGATE



Step5:Check in the Database whether the Data is aggregated.

SELECT * from DFA_IICS_CINEMATICKE_SALES_AGGREGATE;

Results 1 x

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

asc film_code	asc total_sales	asc tickets_sold	asc tickets_out	asc show_time	asc ticket_price	asc Count_Ticket_Sold
1482	65200000	815	0	8	80000	216
1480	1200000	12	0	2	100000	131
1471	6480000	54	0	6	120000	68
1483	5280000	66	0	2	80000	120
1481	900000	18	0	1	50000	213
1484	8040000	101	0	3	79603.96039999996	34
1492	900000	15	0	3	60000	325
1485	200000	2	0	2	100000	110
1486	1200000	10	0	8	120000	627
						55

Save Cancel Script 200 10 Rows: 1

10 row(s) fetched - 425ms, on 2022-10-10 at 18:29:5

