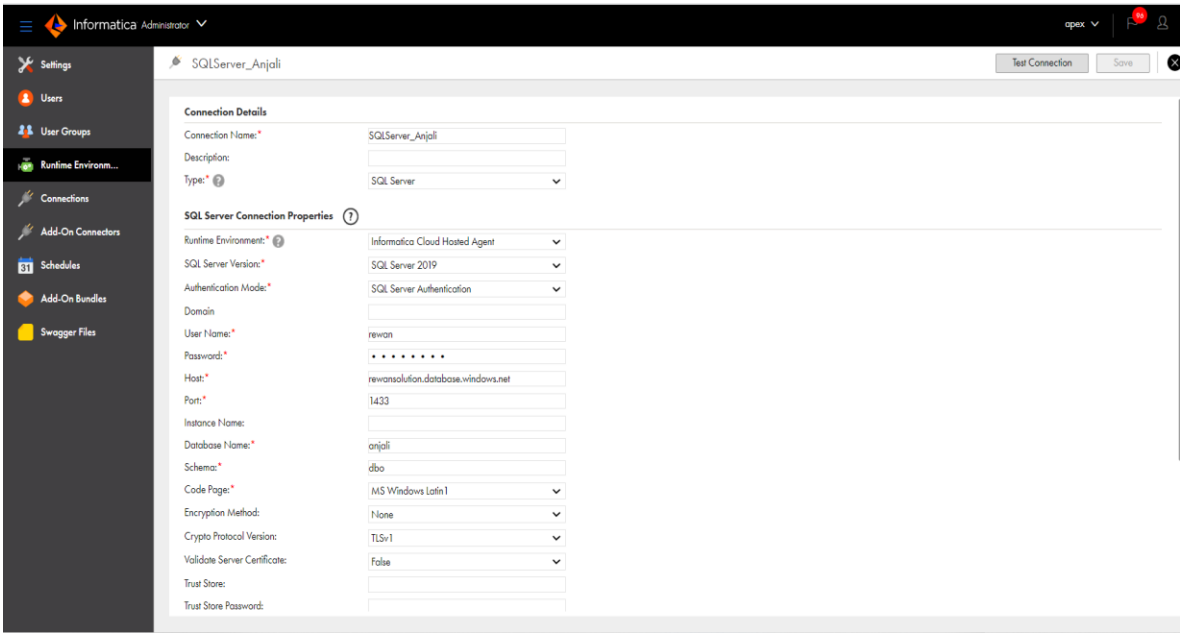
## Final Assessment

# INFORMATICA INTELLIGENT CLOUD SERVICE

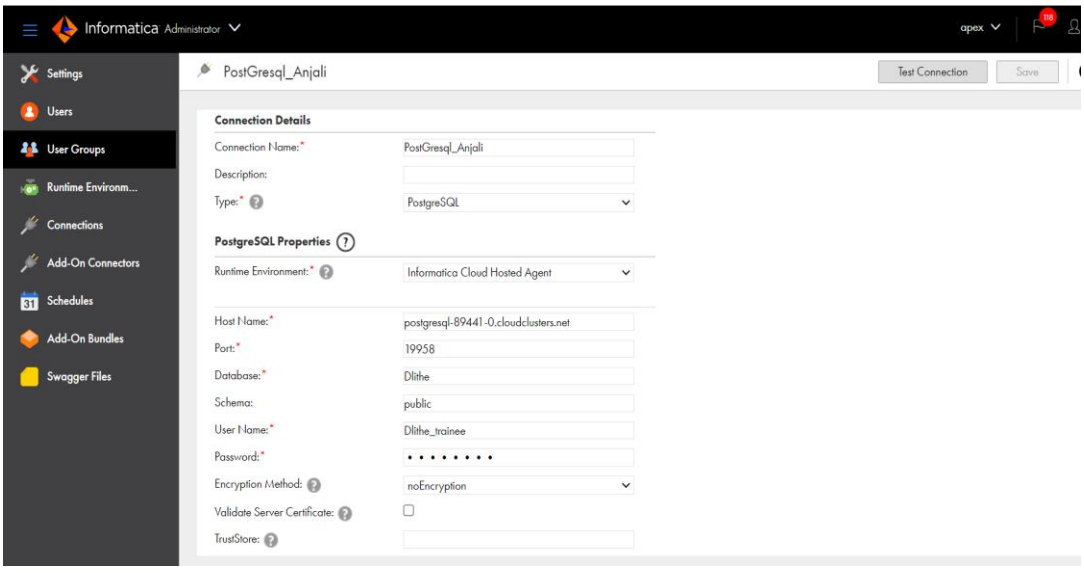
This document shows the connection to different source for informatica, extracting transforming and loading data to required targets for given conditions.

1. **Making Connection:**

**1) SQL Server Connection -**




**2) PostGreSQL Connection:**



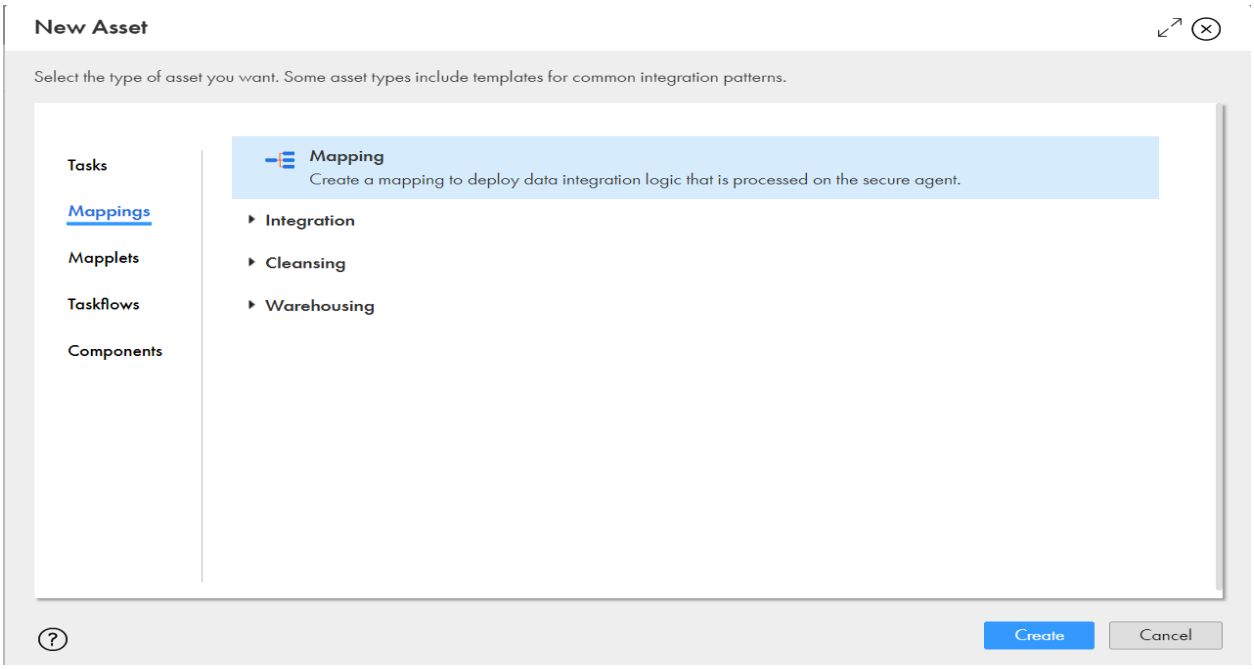
## 2. Extracting transforming and loading data

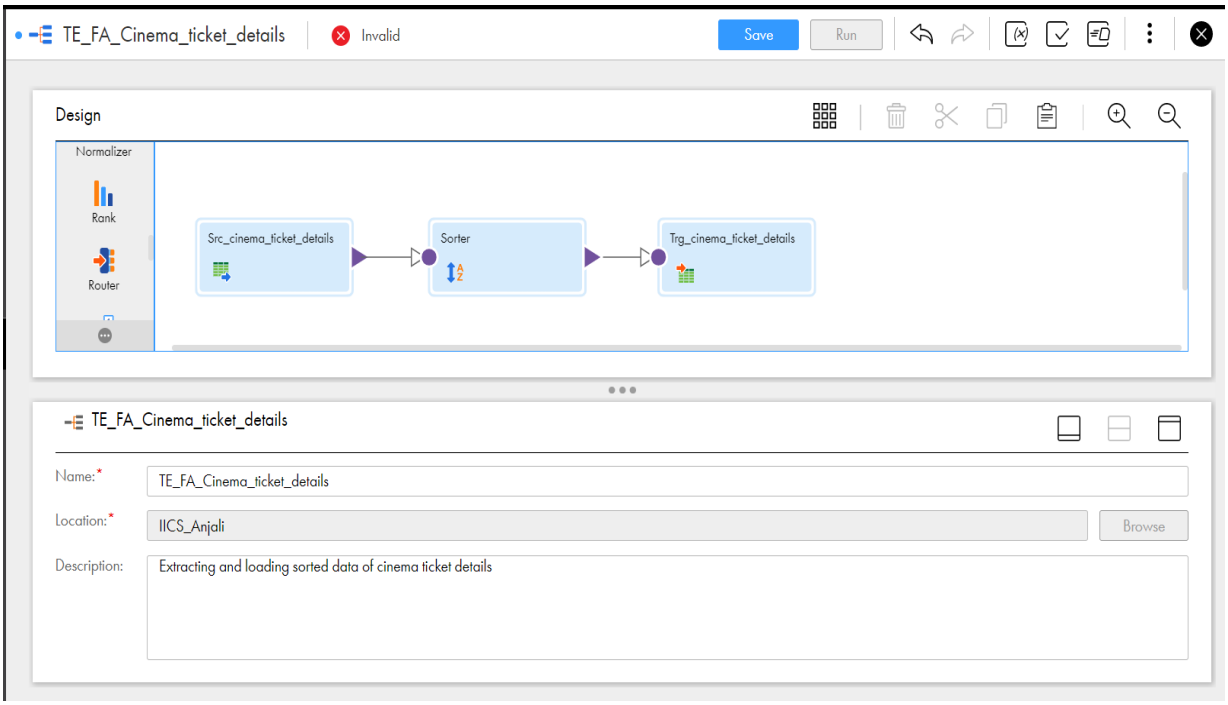
Source: SQL server database

Target: SQL server database

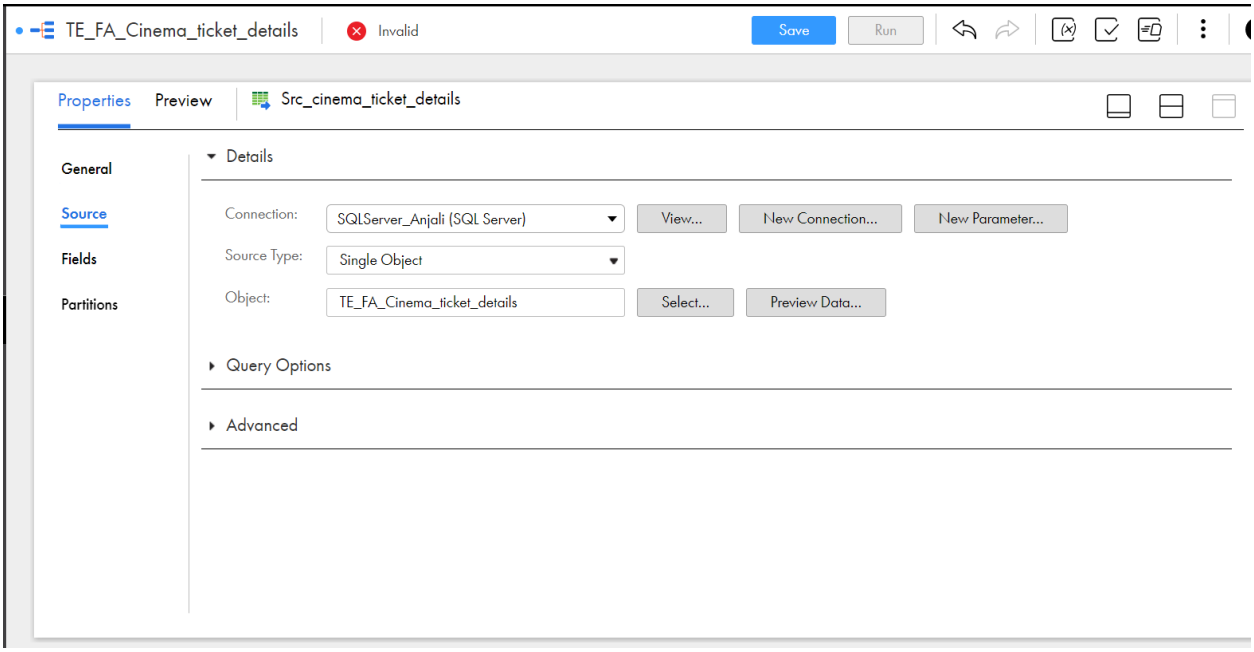
Extracting data from SQL server, performing sorting up of certain columns and loading it into another table of SQL server.

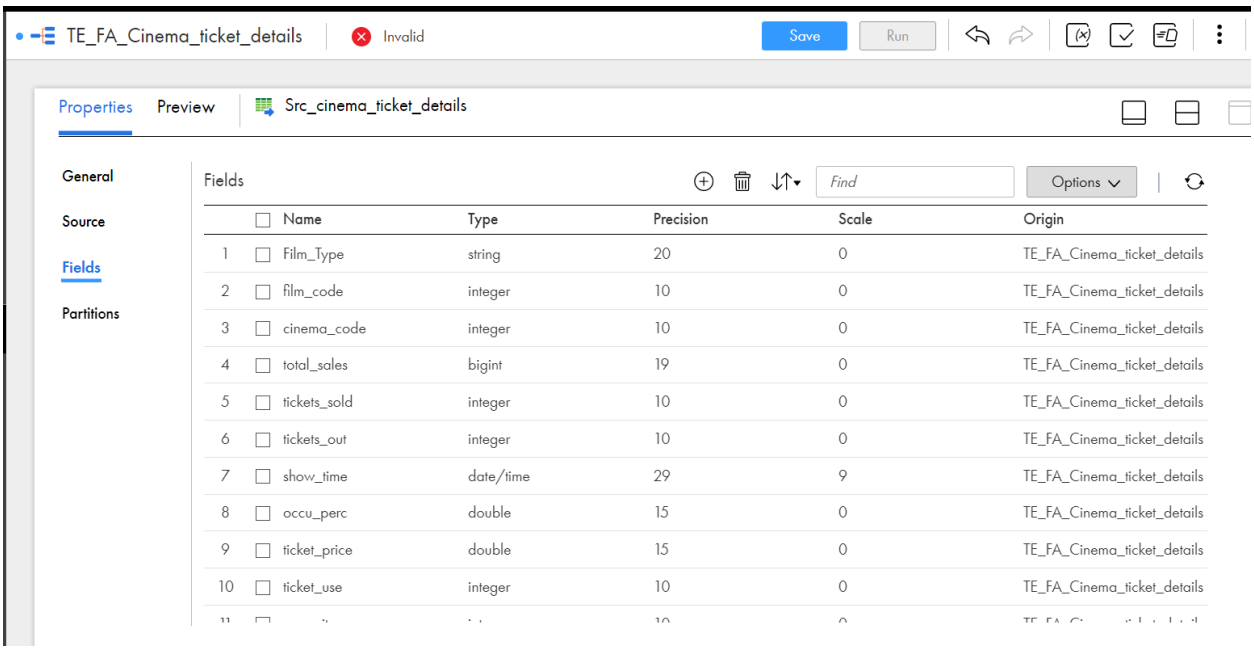
### a) Creating Mappings:



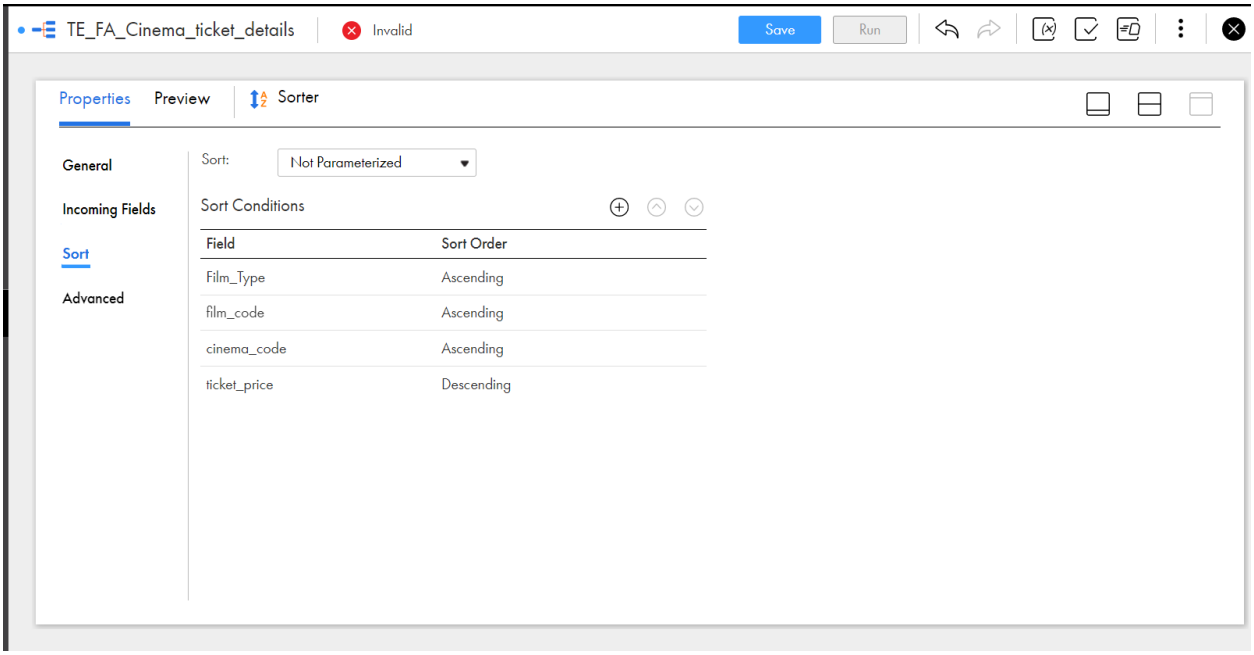
## a) Source:

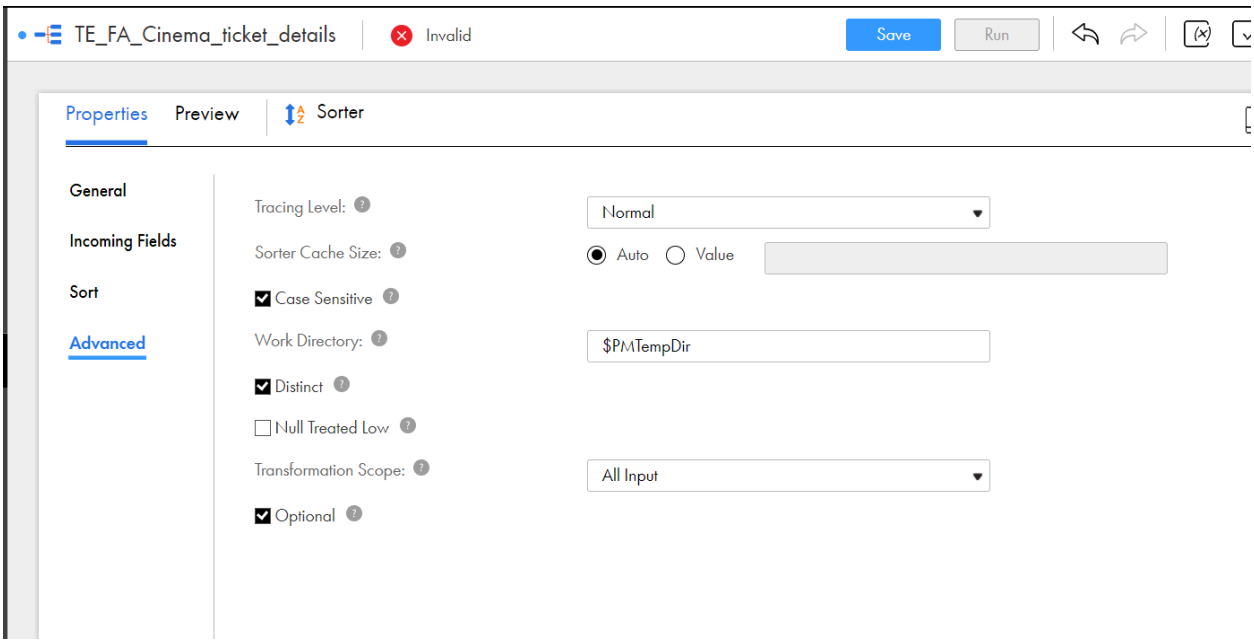



| | Name | Type | Precision | Scale | Origin |
|---|---|---|---|---|---|
| 1 | Film_Type | string | 20 | 0 | TE_FA_Cinema_ticket_details |
| 2 | film_code | integer | 10 | 0 | TE_FA_Cinema_ticket_details |
| 3 | cinema_code | integer | 10 | 0 | TE_FA_Cinema_ticket_details |
| 4 | total_sales | bigint | 19 | 0 | TE_FA_Cinema_ticket_details |
| 5 | tickets_sold | integer | 10 | 0 | TE_FA_Cinema_ticket_details |
| 6 | tickets_out | integer | 10 | 0 | TE_FA_Cinema_ticket_details |
| 7 | show_time | date/time | 29 | 9 | TE_FA_Cinema_ticket_details |
| 8 | occu_perc | double | 15 | 0 | TE_FA_Cinema_ticket_details |
| 9 | ticket_price | double | 15 | 0 | TE_FA_Cinema_ticket_details |
| 10 | ticket_use | integer | 10 | 0 | TE_FA_Cinema_ticket_details |

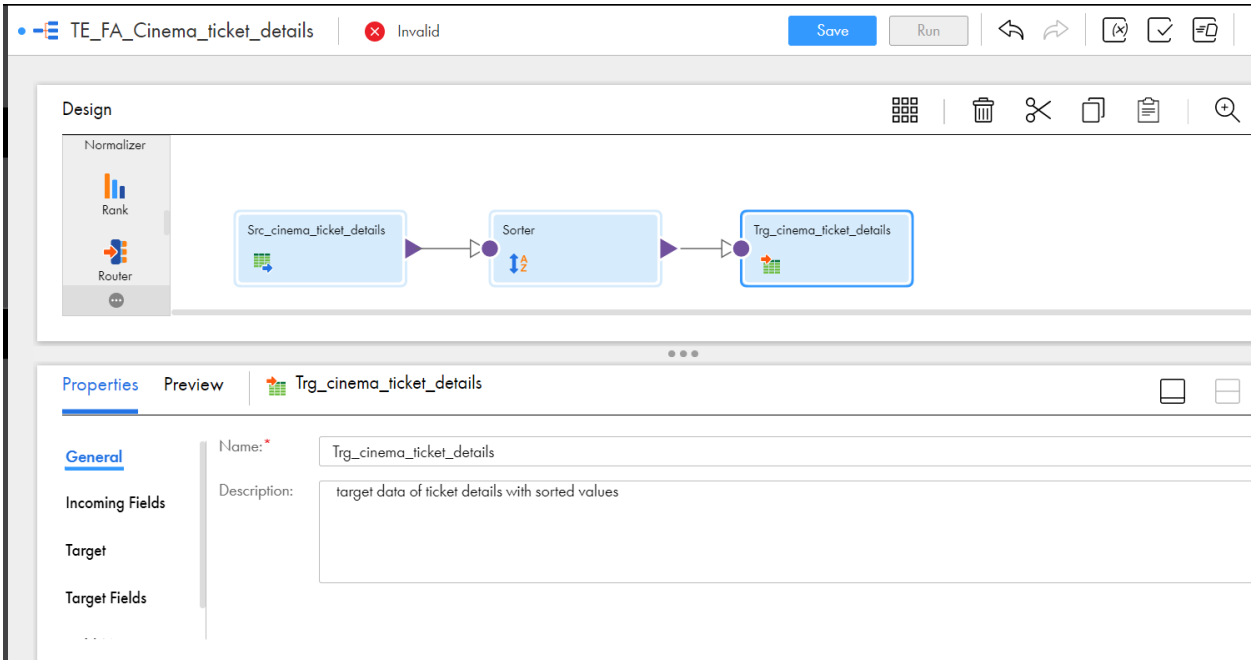
## b) Sorting

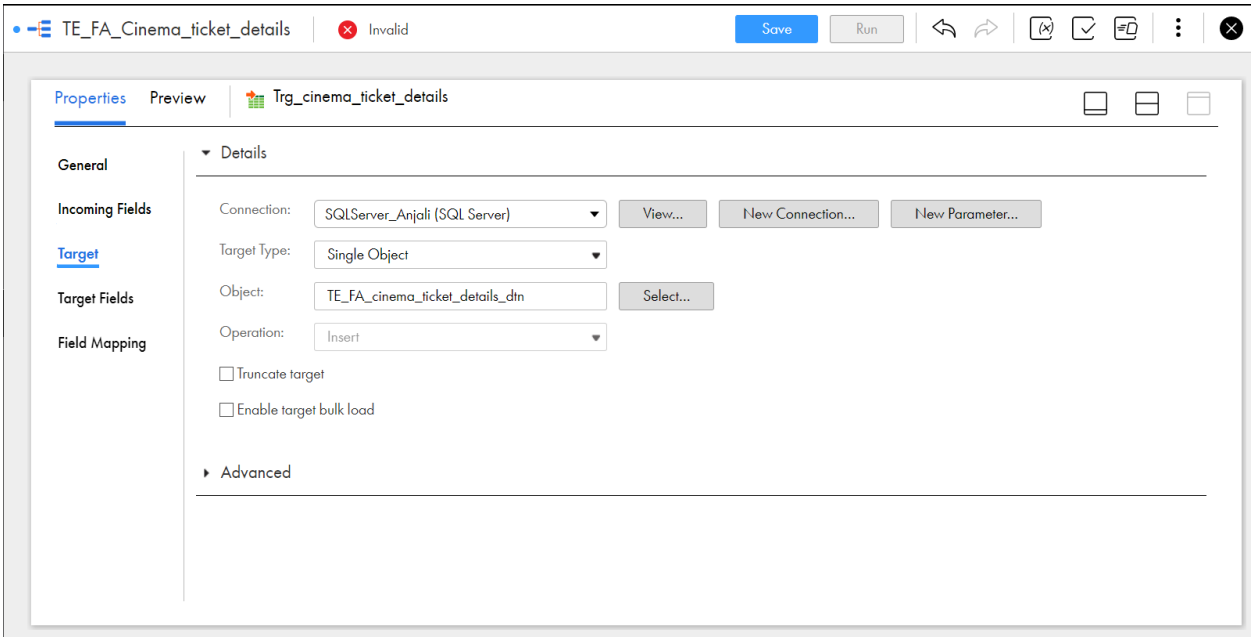

TE_FA_Cinema_ticket_details
Invalid
Save
Run
Properties
Preview
Sorter
General
Incoming Fields
Sort
Advanced
Sort:
Not Parameterized
Sort Conditions
Field
Sort Order
Film_Type
Ascending
film_code
Ascending
cinema_code
Ascending
ticket_price
Descending


TE_FA_Cinema_ticket_details
Invalid
Save
Run
Properties
Preview
Sorter
General
Incoming Fields
Sort
Advanced
Tracing Level:
Normal
Sorter Cache Size:
Auto
Value
Case Sensitive
Work Directory:
$PMTempDir
Distinct
Null Treated Low
Transformation Scope:
All Input
Optional

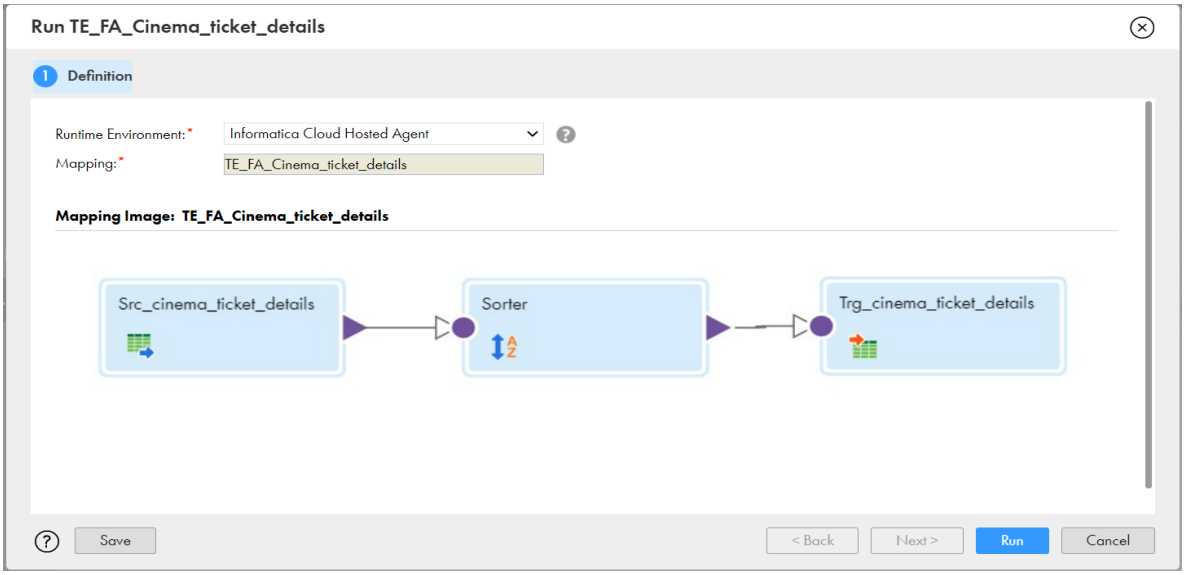
### c) Target:

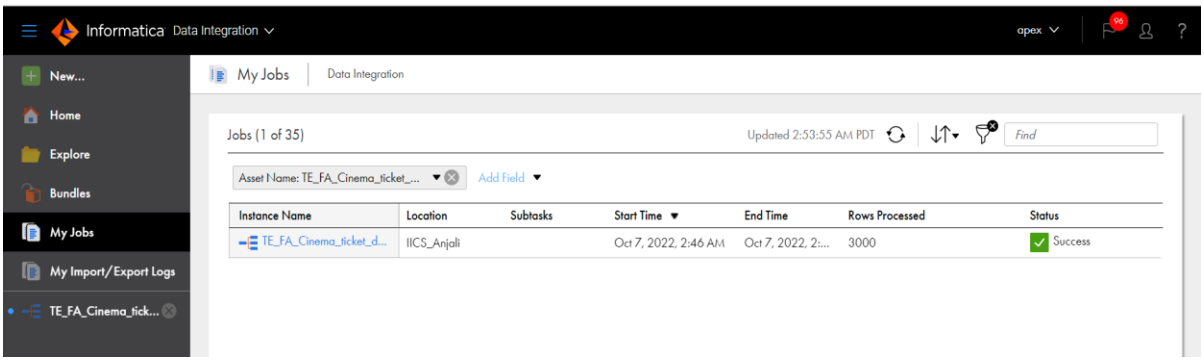
```
create table TE_FA_Cinema_ticket_details_destn
(
 Film_Type varchar(20),
 film_code int,
 cinema_code int,
 total_sales bigint,
 tickets_sold int,
 tickets_out int,
 show_time date,
 occu_perc   float,
 ticket_price float,
 ticket_use  int,
 capacity int,
 datee date,
 monthh int,
 quarterr int,
 dayy int,
 end_date date
);
select * from TE_FA_Cinema_ticket_details_destn;
```

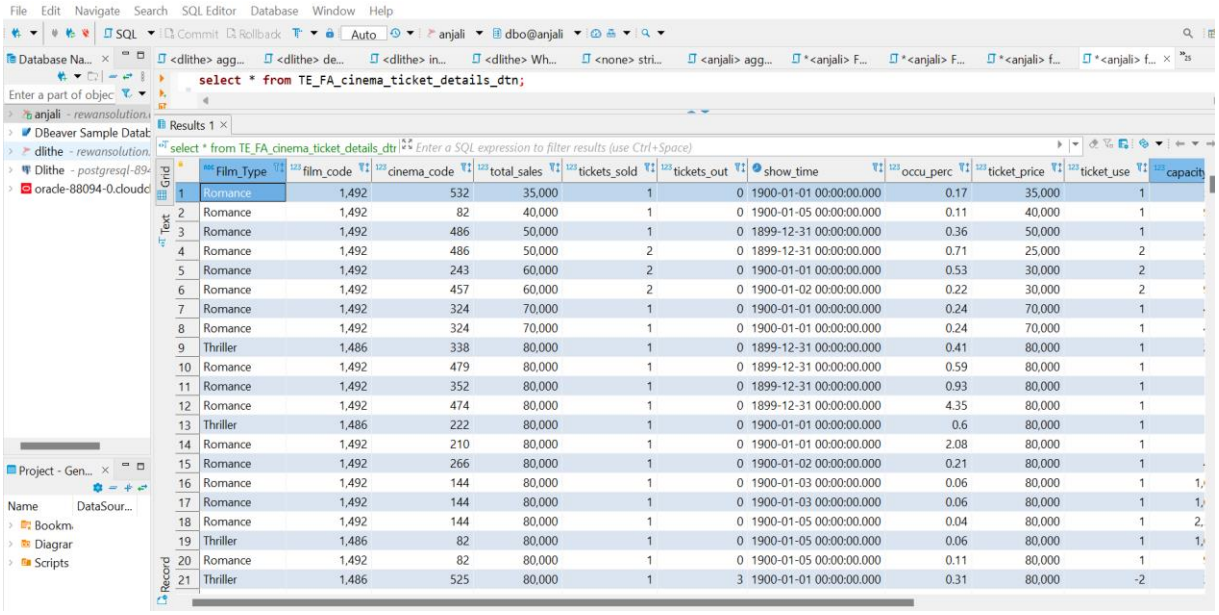



TE_FA_Cinema_ticket_details
Invalid
Save
Run
Properties
Preview
Trg_cinema_ticket_details
General
Incoming Fields
Target
Target Fields
Field Mapping
Details
Connection:
SQLServer_Anjali (SQL Server)
View...
New Connection...
New Parameter...
Target Type:
Single Object
Object:
TE_FA_cinema_ticket_details_dtn
Select...
Operation:
Insert
Truncate target
Enable target bulk load
Advanced

## d) Result:


Run TE_FA_Cinema_ticket_details
1 Definition
Runtime Environment:*
Informatica Cloud Hosted Agent
Mapping:*
TE_FA_Cinema_ticket_details
Mapping Image: TE_FA_Cinema_ticket_details
Src_cinema_ticket_details
Sorter
Trg_cinema_ticket_details
Save
< Back
Next >
Run
Cancel

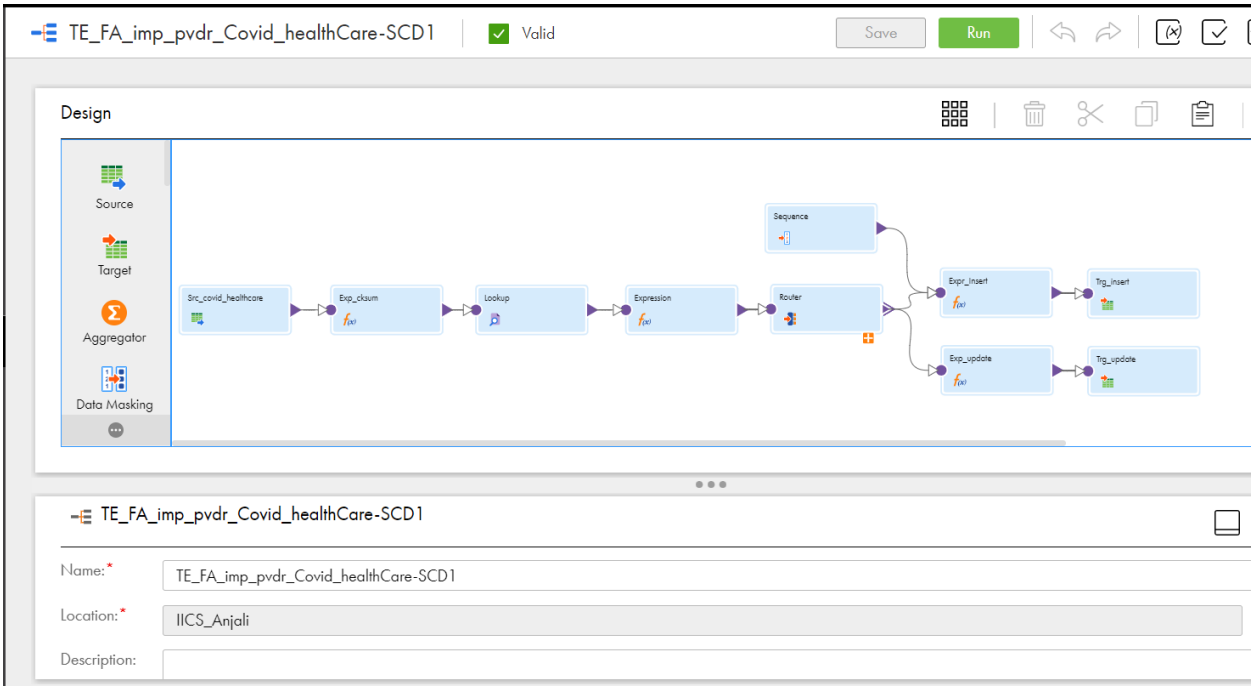

Informatica Data Integration
apex
New...
Home
Explore
Bundles
My Jobs
My Import/Export Logs
TE_FA_Cinema_tick...
My Jobs
Data Integration
Jobs (1 of 35)
Updated 2:53:55 AM PDT
Find
Asset Name: TE_FA_Cinema_ticket_...
Add Field
Instance Name
Location
Subtasks
Start Time
End Time
Rows Processed
Status
TE_FA_Cinema_ticket_d...
IICS_Anjali
Oct 7, 2022, 2:46 AM
Oct 7, 2022, 2:...
3000
Success



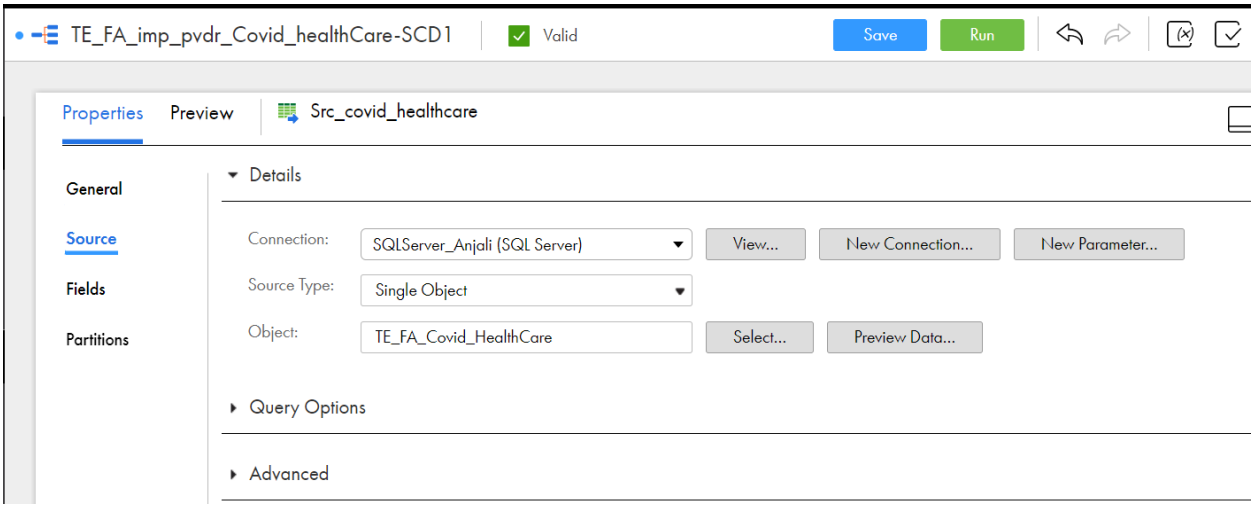

| | Film_Type | film_code | cinema_code | total_sales | tickets_sold | tickets_out | show_time | occu_perc | ticket_price | ticket_use | capacity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Romance | 1,492 | 532 | 35,000 | 1 | 0 | 1900-01-01 00:00:00.000 | 0.17 | 35,000 | 1 | |
| 2 | Romance | 1,492 | 82 | 40,000 | 1 | 0 | 1900-01-05 00:00:00.000 | 0.11 | 40,000 | 1 | |
| 3 | Romance | 1,492 | 486 | 50,000 | 1 | 0 | 1899-12-31 00:00:00.000 | 0.36 | 50,000 | 1 | |
| 4 | Romance | 1,492 | 486 | 50,000 | 2 | 0 | 1899-12-31 00:00:00.000 | 0.71 | 25,000 | 2 | |
| 5 | Romance | 1,492 | 243 | 60,000 | 2 | 0 | 1900-01-01 00:00:00.000 | 0.53 | 30,000 | 2 | |
| 6 | Romance | 1,492 | 457 | 60,000 | 2 | 0 | 1900-01-02 00:00:00.000 | 0.22 | 30,000 | 2 | |
| 7 | Romance | 1,492 | 324 | 70,000 | 1 | 0 | 1900-01-01 00:00:00.000 | 0.24 | 70,000 | 1 | |
| 8 | Romance | 1,492 | 324 | 70,000 | 1 | 0 | 1900-01-01 00:00:00.000 | 0.24 | 70,000 | 1 | |
| 9 | Thriller | 1,486 | 338 | 80,000 | 1 | 0 | 1899-12-31 00:00:00.000 | 0.41 | 80,000 | 1 | |
| 10 | Romance | 1,492 | 479 | 80,000 | 1 | 0 | 1899-12-31 00:00:00.000 | 0.59 | 80,000 | 1 | |
| 11 | Romance | 1,492 | 352 | 80,000 | 1 | 0 | 1899-12-31 00:00:00.000 | 0.93 | 80,000 | 1 | |
| 12 | Romance | 1,492 | 474 | 80,000 | 1 | 0 | 1899-12-31 00:00:00.000 | 4.35 | 80,000 | 1 | |
| 13 | Thriller | 1,486 | 222 | 80,000 | 1 | 0 | 1900-01-01 00:00:00.000 | 0.6 | 80,000 | 1 | |
| 14 | Romance | 1,492 | 210 | 80,000 | 1 | 0 | 1900-01-01 00:00:00.000 | 2.08 | 80,000 | 1 | |
| 15 | Romance | 1,492 | 266 | 80,000 | 1 | 0 | 1900-01-02 00:00:00.000 | 0.21 | 80,000 | 1 | |
| 16 | Romance | 1,492 | 144 | 80,000 | 1 | 0 | 1900-01-03 00:00:00.000 | 0.06 | 80,000 | 1 | 1, |
| 17 | Romance | 1,492 | 144 | 80,000 | 1 | 0 | 1900-01-03 00:00:00.000 | 0.06 | 80,000 | 1 | 1, |
| 18 | Romance | 1,492 | 144 | 80,000 | 1 | 0 | 1900-01-05 00:00:00.000 | 0.04 | 80,000 | 1 | 2, |
| 19 | Thriller | 1,486 | 82 | 80,000 | 1 | 0 | 1900-01-05 00:00:00.000 | 0.06 | 80,000 | 1 | 1, |
| 20 | Romance | 1,492 | 82 | 80,000 | 1 | 0 | 1900-01-05 00:00:00.000 | 0.11 | 80,000 | 1 | |
| 21 | Thriller | 1,486 | 525 | 80,000 | 1 | 3 | 1900-01-01 00:00:00.000 | 0.31 | 80,000 | -2 | |

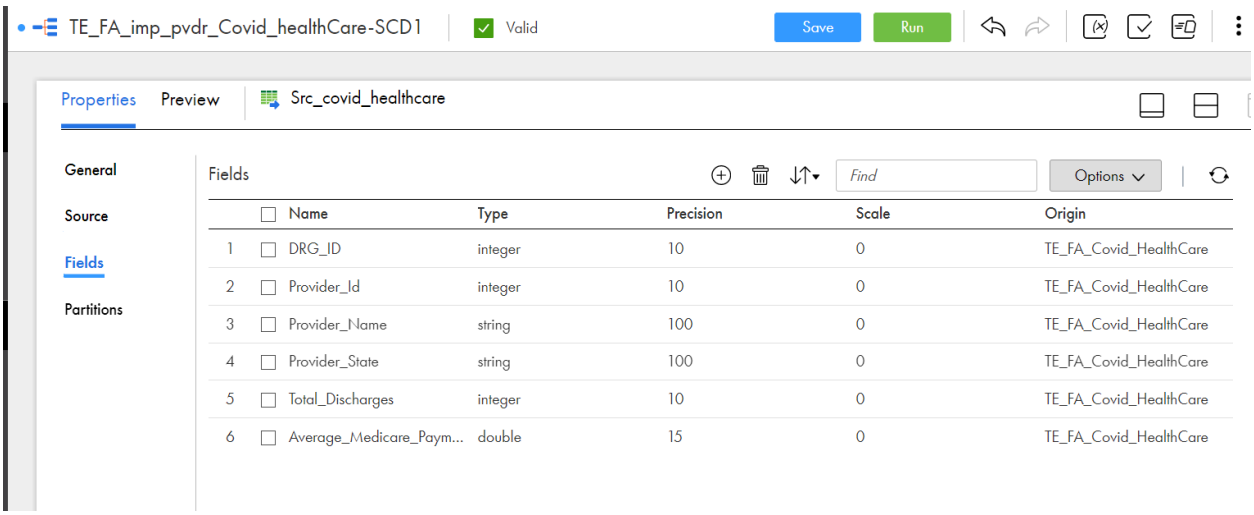
### 3. Slowly Changing Dimension Type 1

Here, we give as changing attribute and will get the updated values without historical data.

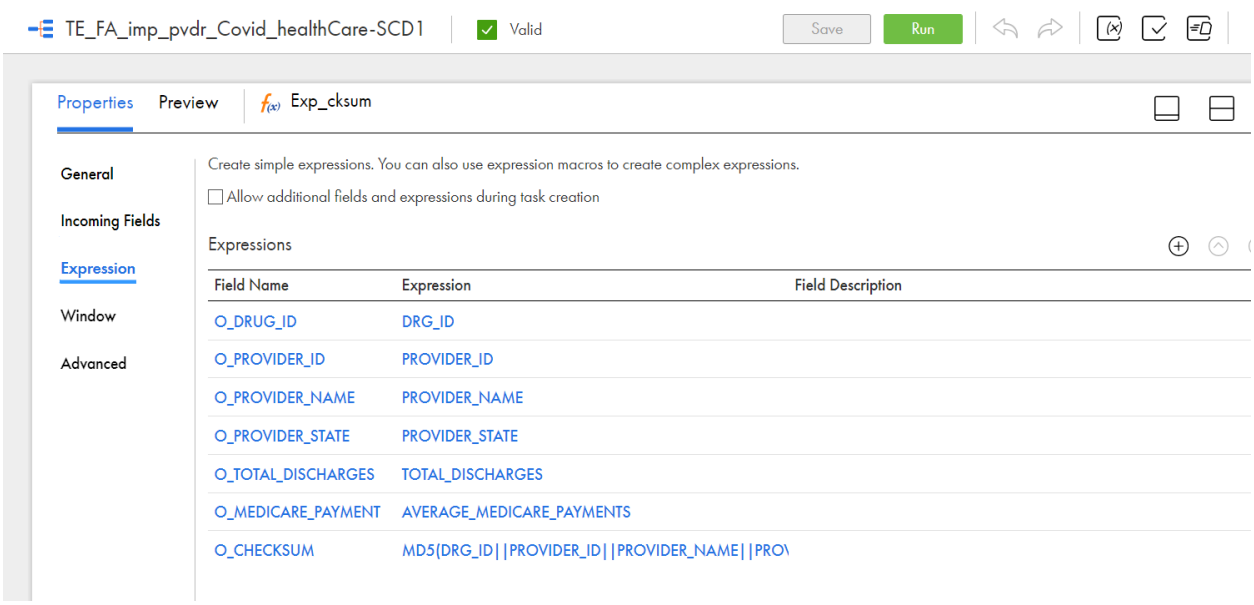



### a) Source:

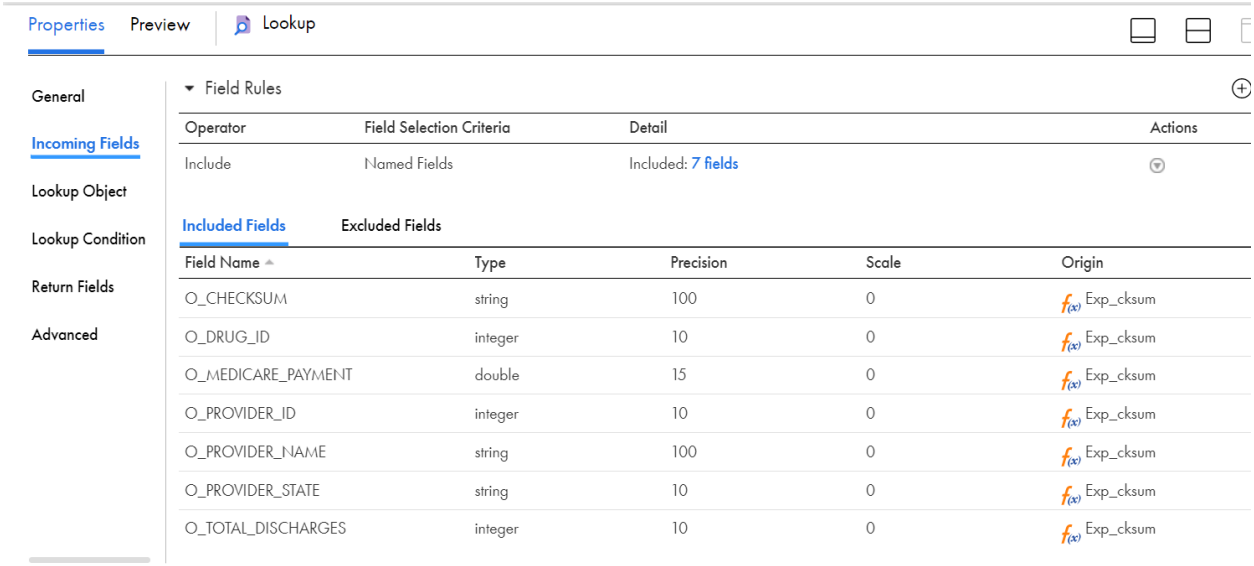


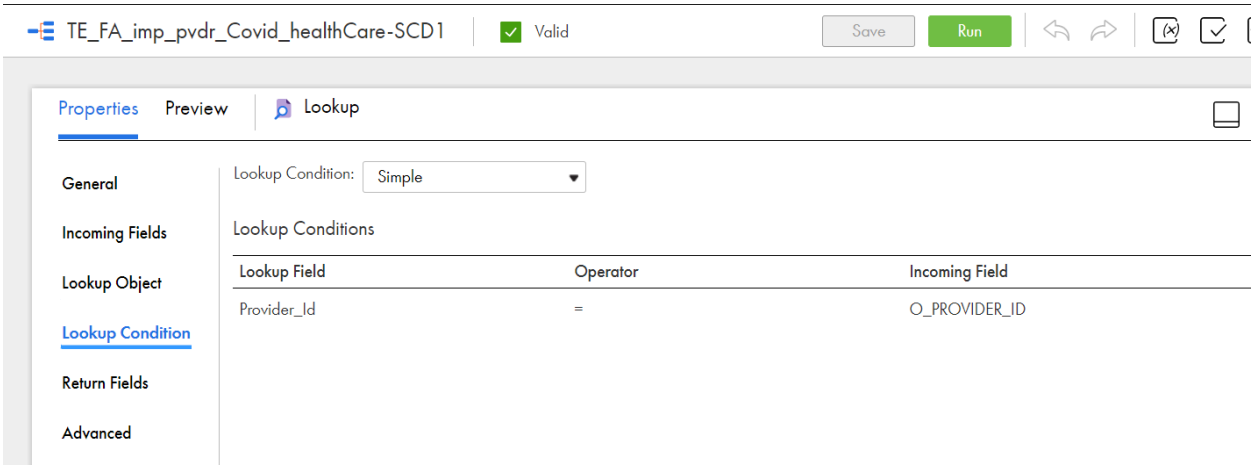


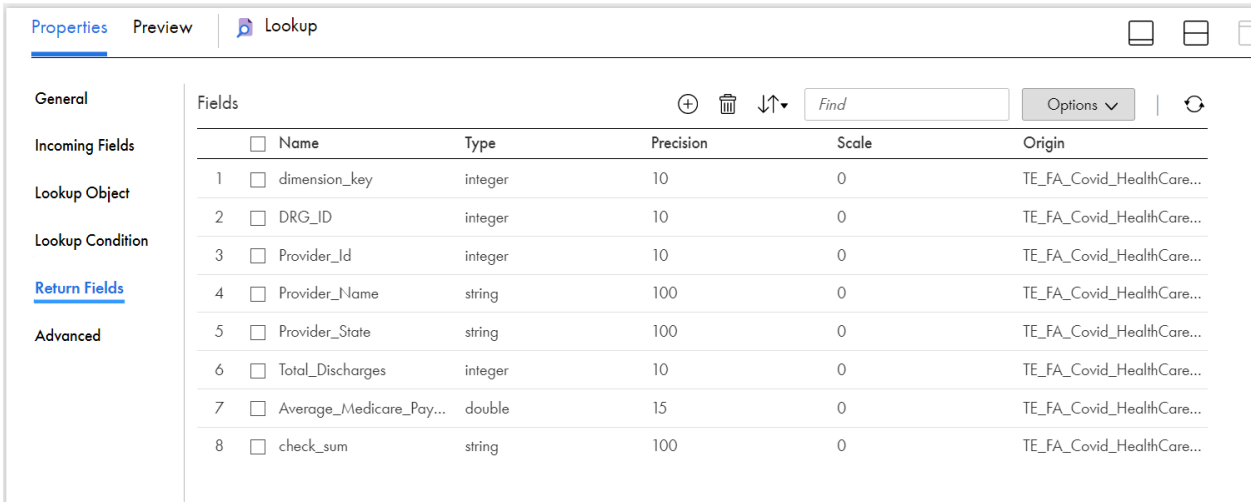

## b) Expression:

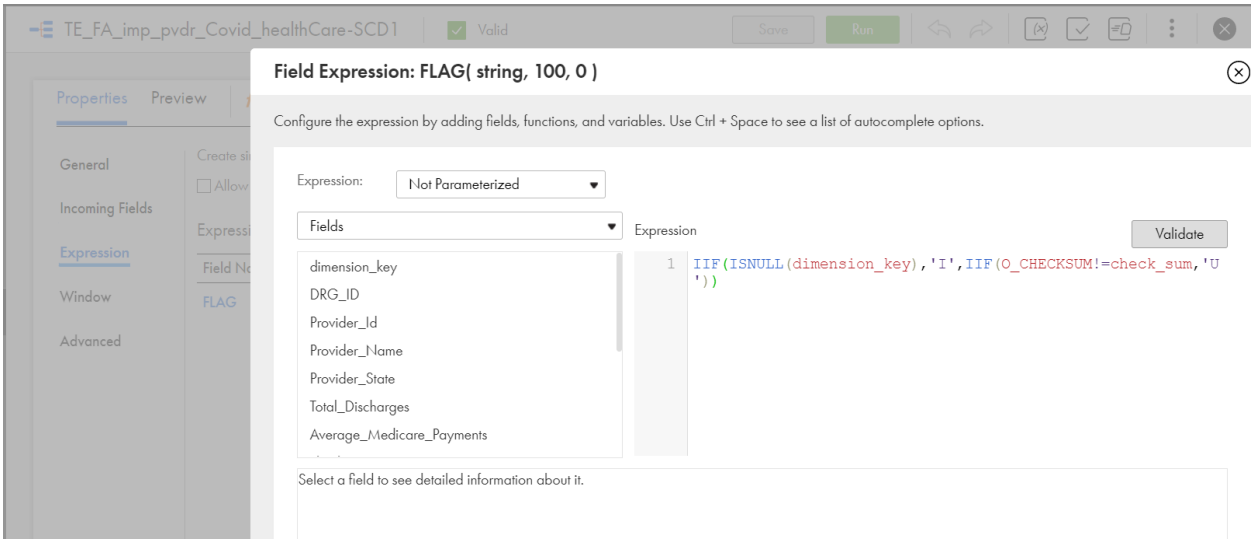


## c) Lookup:

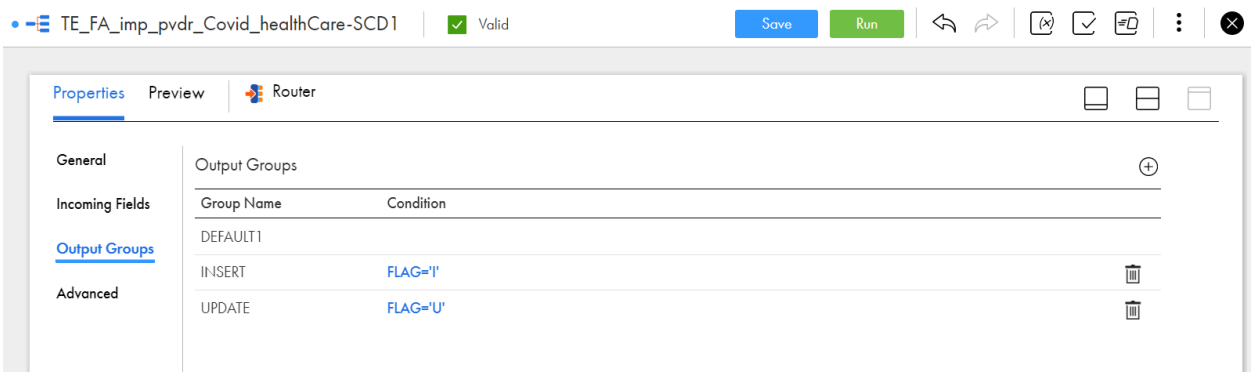

Properties
Preview
Lookup
General
Incoming Fields
Lookup Object
Lookup Condition
Return Fields
Advanced
Field Rules
Operator
Field Selection Criteria
Detail
Actions
Include
Named Fields
Included: 7 fields
Included Fields
Excluded Fields
Field Name
Type
Precision
Scale
Origin
O_CHECKSUM string 100 0 Exp_cksum
O_DRUG_ID integer 10 0 Exp_cksum
O_MEDICARE_PAYMENT double 15 0 Exp_cksum
O_PROVIDER_ID integer 10 0 Exp_cksum
O_PROVIDER_NAME string 100 0 Exp_cksum
O_PROVIDER_STATE string 10 0 Exp_cksum
O_TOTAL_DISCHARGES integer 10 0 Exp_cksum


TE_FA_imp_pvdr_Covid_healthCare-SCD1
Valid
Save
Run
Properties
Preview
Lookup
General
Incoming Fields
Lookup Object
Lookup Condition
Return Fields
Advanced
Lookup Condition:
Simple
Lookup Conditions
Lookup Field
Operator
Incoming Field
Provider_Id
=
O_PROVIDER_ID

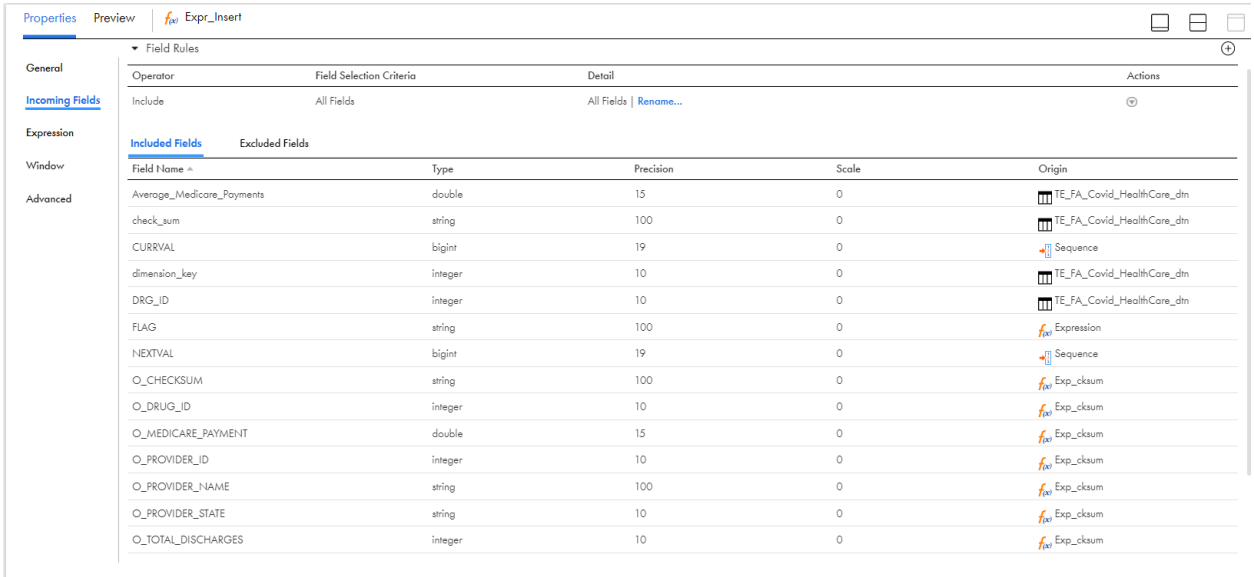

Properties
Preview
Lookup
General
Incoming Fields
Lookup Object
Lookup Condition
Return Fields
Advanced
Fields
Find
Options
Name
Type
Precision
Scale
Origin
1 dimension_key integer 10 0 TE_FA_Covid_HealthCare...
2 DRG_ID integer 10 0 TE_FA_Covid_HealthCare...
3 Provider_Id integer 10 0 TE_FA_Covid_HealthCare...
4 Provider_Name string 100 0 TE_FA_Covid_HealthCare...
5 Provider_State string 100 0 TE_FA_Covid_HealthCare...
6 Total_Discharges integer 10 0 TE_FA_Covid_HealthCare...
7 Average_Medicare_Pay... double 15 0 TE_FA_Covid_HealthCare...
8 check_sum string 100 0 TE_FA_Covid_HealthCare...

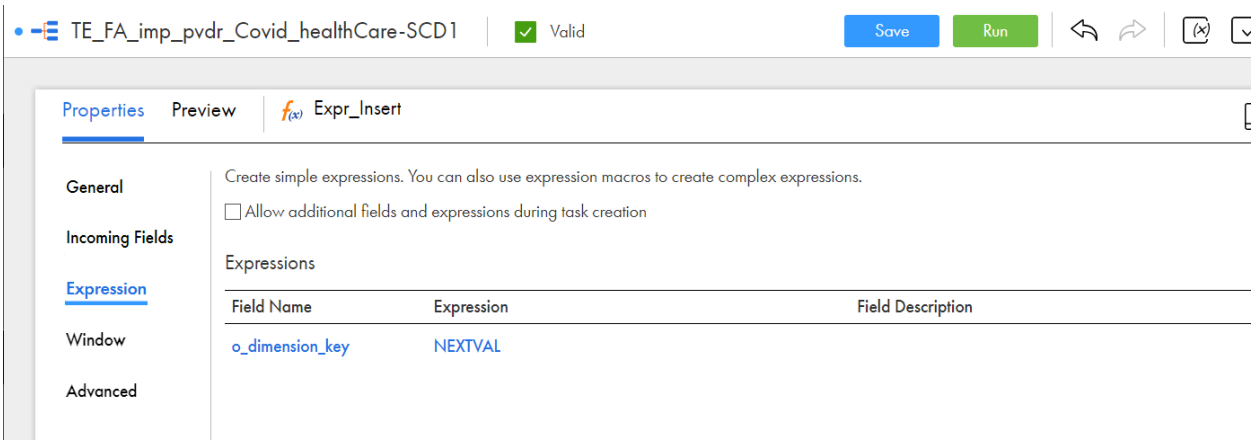



## d) Router:

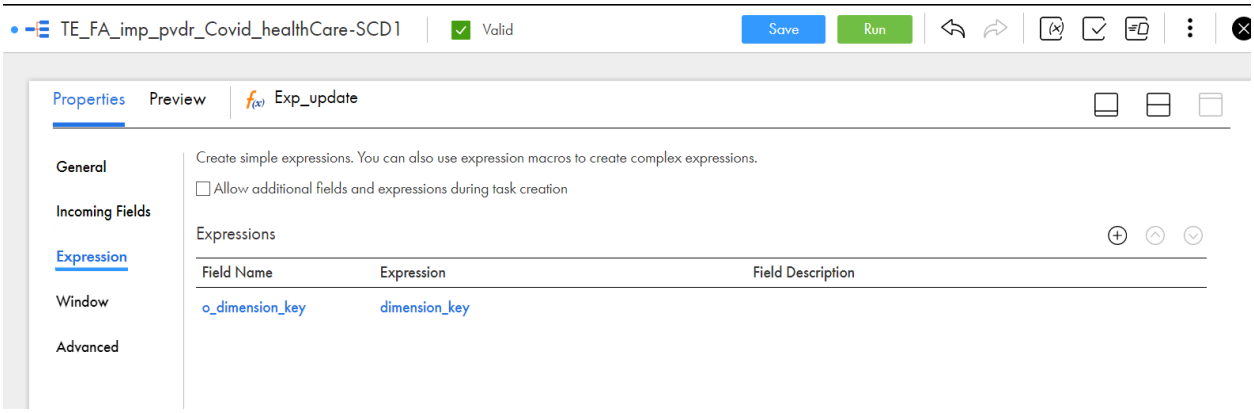



## e) Expression insert:

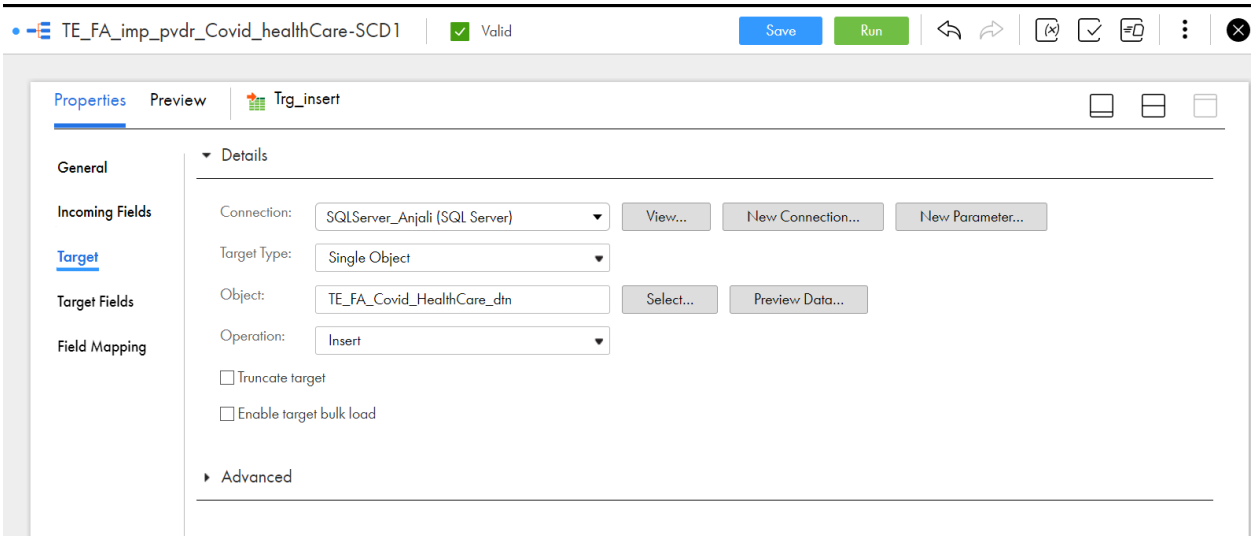


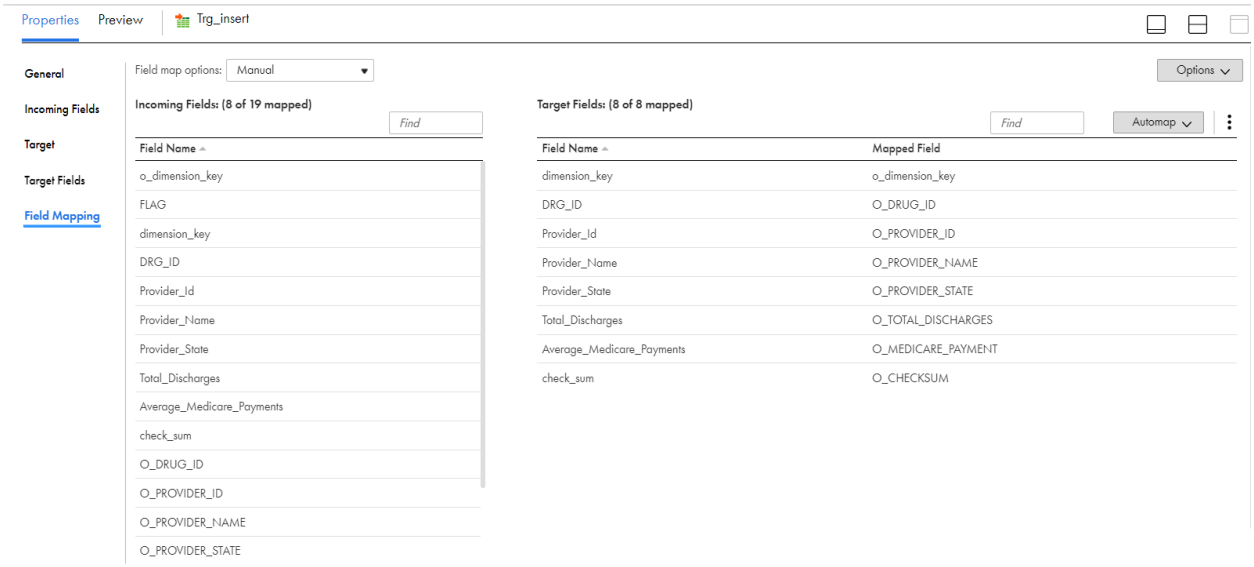



## f) Expression update:

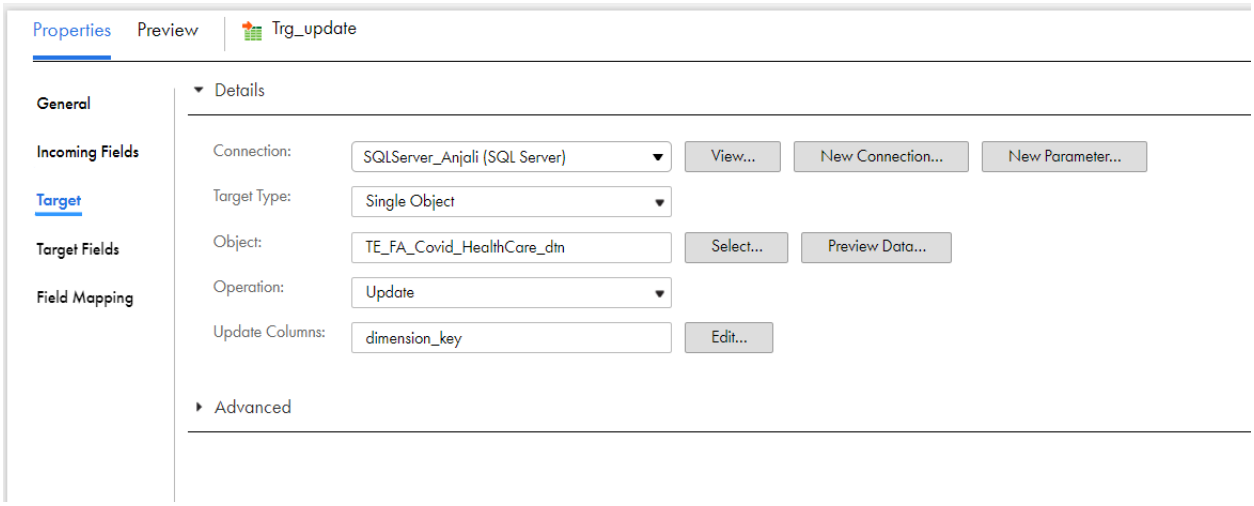


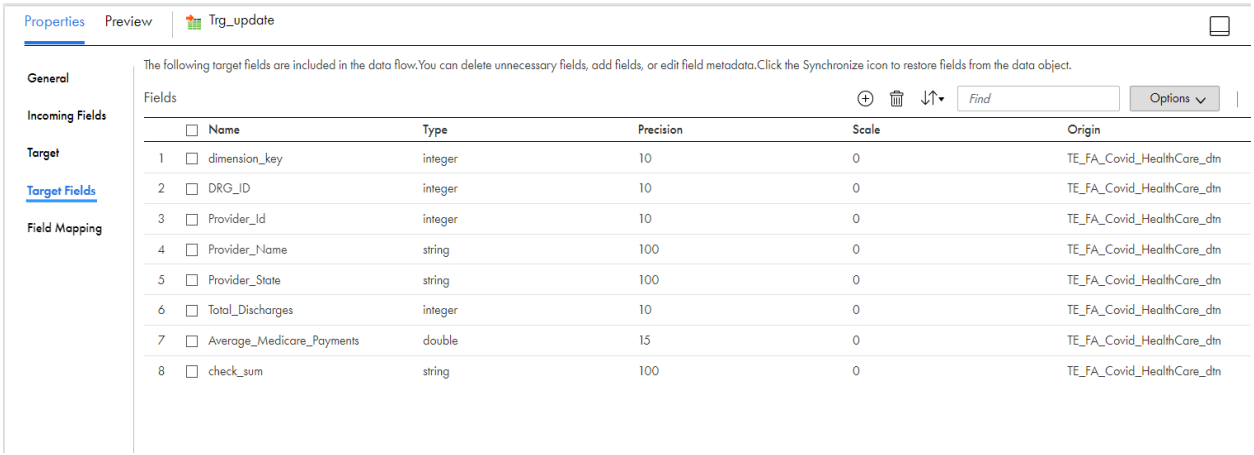

## g) Target insert:

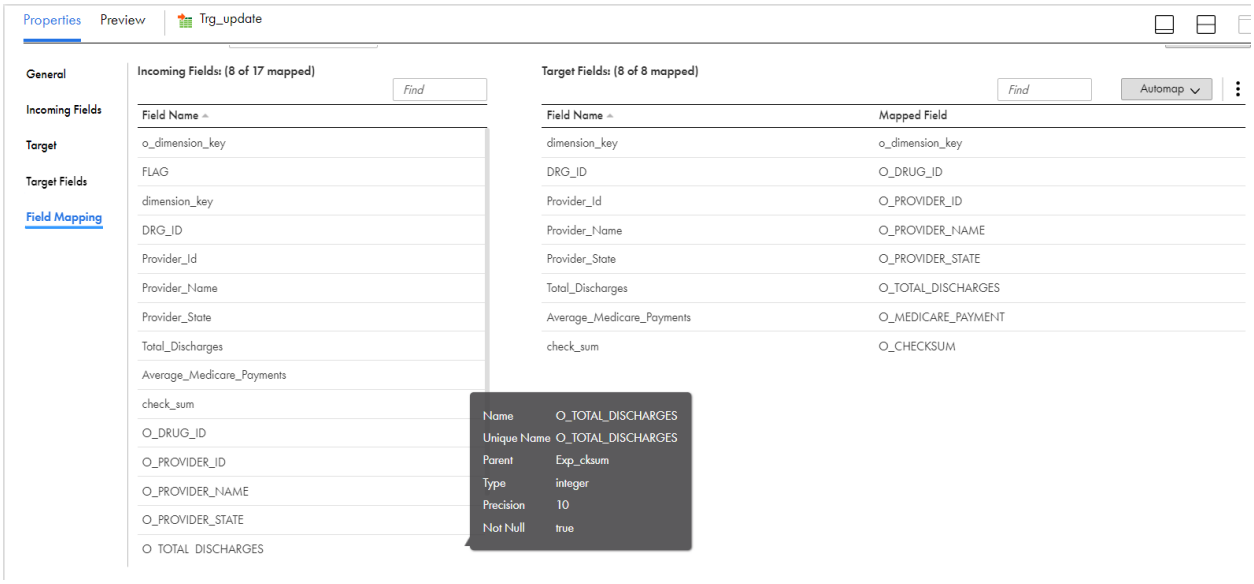




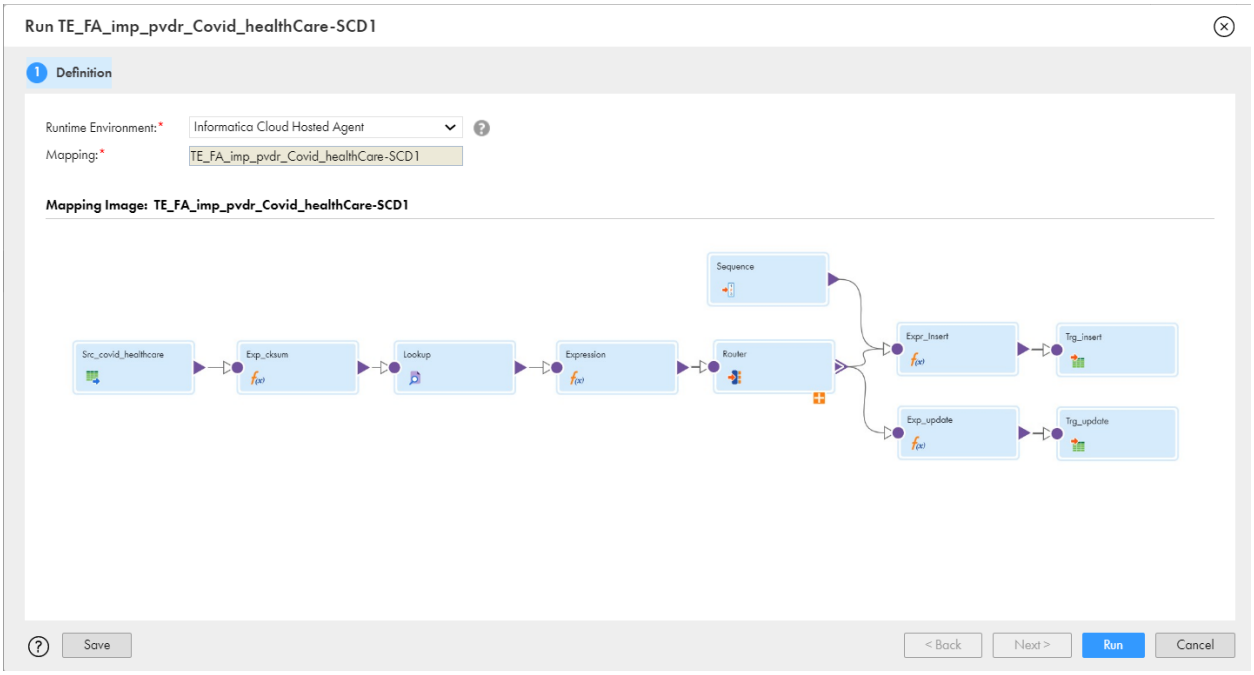

## h) Target update:

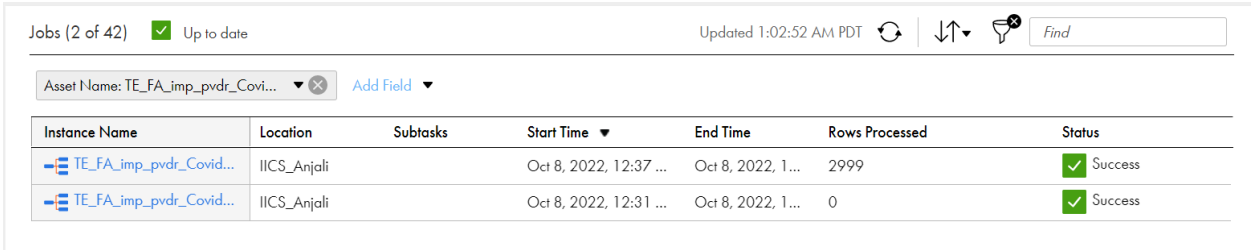



Properties
Preview
Trg_update
General
Incoming Fields
Target
Target Fields
Field Mapping
Incoming Fields: (8 of 17 mapped)
Find
Field Name
o_dimension_key
FLAG
dimension_key
DRG_ID
Provider_Id
Provider_Name
Provider_State
Total_Discharges
Average_Medicare_Payments
check_sum
O_DRUG_ID
O_PROVIDER_ID
O_PROVIDER_NAME
O_PROVIDER_STATE
O_TOTAL_DISCHARGES
Target Fields: (8 of 8 mapped)
Find
Automap
Field Name
Mapped Field
dimension_key
o_dimension_key
DRG_ID
O_DRUG_ID
Provider_Id
O_PROVIDER_ID
Provider_Name
O_PROVIDER_NAME
Provider_State
O_PROVIDER_STATE
Total_Discharges
O_TOTAL_DISCHARGES
Average_Medicare_Payments
O_MEDICARE_PAYMENT
check_sum
O_CHECKSUM
Name O_TOTAL_DISCHARGES
Unique Name O_TOTAL_DISCHARGES
Parent Exp_cksum
Type integer
Precision 10
Not Null true

## Result:


Run TE_FA_imp_pvdr_Covid_healthCare-SCD1
1 Definition
Runtime Environment:*
Informatica Cloud Hosted Agent
Mapping:*
TE_FA_imp_pvdr_Covid_healthCare-SCD1
Mapping Image: TE_FA_imp_pvdr_Covid_healthCare-SCD1
Sequence
Src_covid_healthcare
Exp_cksum
Lookup
Expression
Router
Expr_Insert
Trg_insert
Exp_update
Trg_update
Save
< Back
Next >
Run
Cancel


Jobs (2 of 42)
Up to date
Updated 1:02:52 AM PDT
Find
Asset Name: TE_FA_imp_pvdr_Covi...
Add Field
Instance Name
Location
Subtasks
Start Time
End Time
Rows Processed
Status
TE_FA_imp_pvdr_Covid...
IICS_Anjali
Oct 8, 2022, 12:37 ...
Oct 8, 2022, 1...
2999
Success
TE_FA_imp_pvdr_Covid...
IICS_Anjali
Oct 8, 2022, 12:31 ...
Oct 8, 2022, 1...
0
Success

```
update TE_FA_Covid_HealthCare
set Hospital_Referral_Region='JOHNS HOPKINS BAYVIEW MEDICAL CENTER' where provider_ID=210029;
```

Results 1

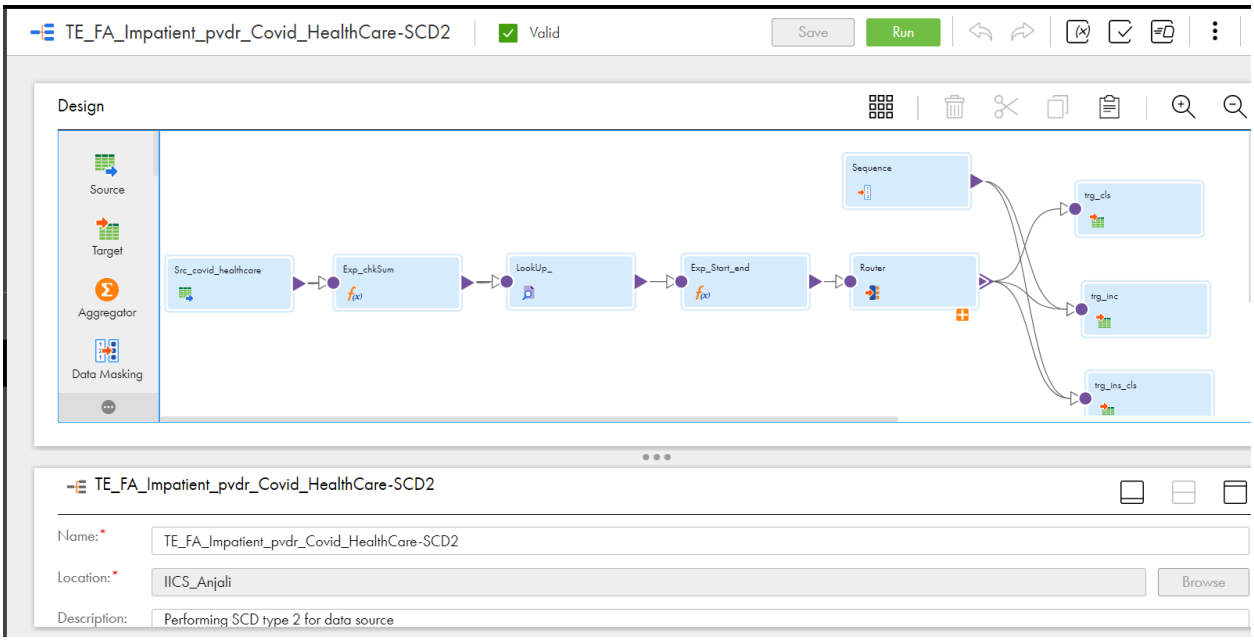
```
elect * from TE_FA_Covid_HealthCare_dtn;
```

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

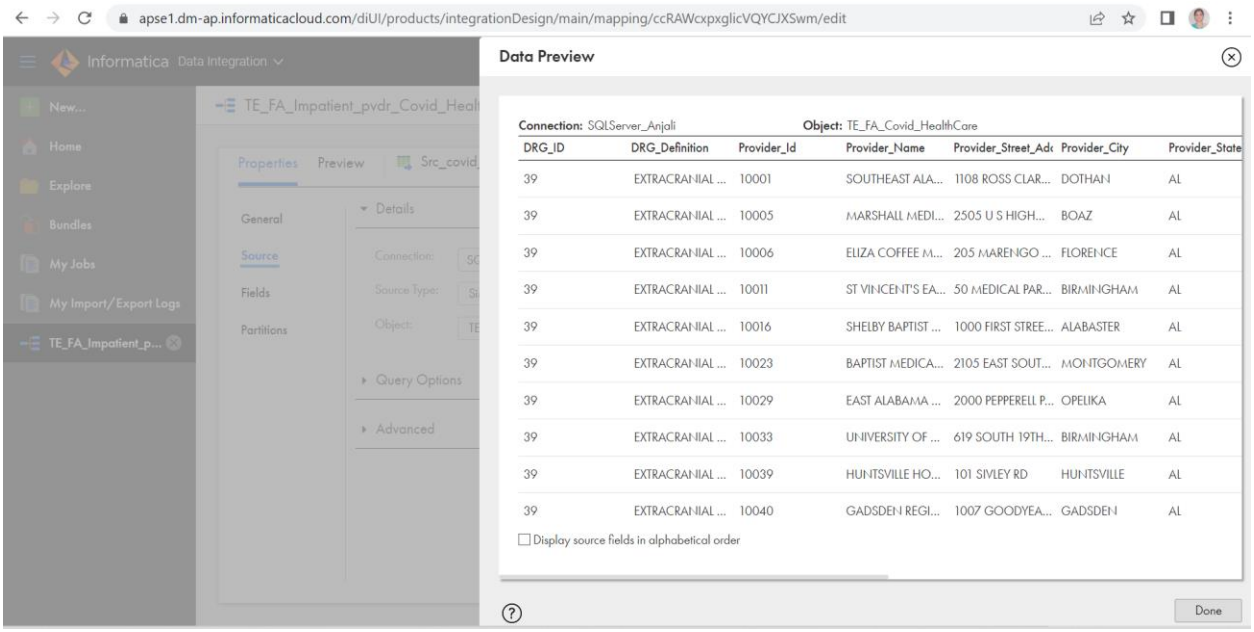
| | dimension_key | DRG_ID | Provider_I | Provider_Name | Provider | Tota | Average_Med | check_sum |
|---|---|---|---|---|---|---|---|---|
| 447 | 447 | 39 | 210,005 | FREDERICK MEMORIAL HOSPITAL | MD | 16 | 6,645.625 | 730D28C9C40C5D5 |
| 448 | 448 | 39 | 210,007 | SAINT JOSEPH MEDICAL CENTER | MD | 24 | 5,228.083333 | 64B34239AA00994 |
| 449 | 449 | 39 | 210,008 | MERCY MEDICAL CENTER INC | MD | 22 | 9,533.818182 | B29ADE06C2D23A4 |
| 450 | 450 | 39 | 210,009 | JOHNS HOPKINS HOSPITAL, THE | MD | 36 | 11,891.22222 | 3817D012B086C20 |
| 451 | 451 | 39 | 210,011 | SAINT AGNES HOSPITAL | MD | 27 | 9,823.851852 | D4AE07230989269 |
| 452 | 452 | 39 | 210,015 | FRANKLIN SQUARE HOSPITAL CENTER | MD | 81 | 7,340.716049 | 8A5F4115E2455ED |
| 453 | 453 | 39 | 210,019 | PENINSULA REGIONAL MEDICAL CENTER | MD | 62 | 6,968.258065 | C7A07DA6FA89196 |
| 454 | 454 | 39 | 210,022 | SUBURBAN HOSPITAL | MD | 42 | 10,027.88095 | 9B4938B372BB7633 |
| 455 | 455 | 39 | 210,023 | ANNE ARUNDEL MEDICAL CENTER | MD | 79 | 4,726.696203 | 0275D6250D390FC |
| 456 | 456 | 39 | 210,027 | WESTERN MARYLAND REGIONAL MEDICAL C | MD | 41 | 7,922.292683 | D44CB7CF51B9718 |
| 457 | 457 | 39 | 210,029 | JOHNS HOPKINS BAYVIEW MEDICAL CENTER | MD | 11 | 15,855.18182 | 337AE540DC6A4DE |
| 458 | 458 | 39 | 210,032 | UNION HOSPITAL OF CECIL COUNTY | MD | 12 | 11,335.83333 | 63A1B2A708D5318 |
| 459 | 459 | 39 | 210,033 | CARROLL HOSPITAL CENTER | MD | 30 | 7,742.333333 | 1256D0F062D18E6 |
| 460 | 460 | 39 | 210,043 | BALTIMORE WASHINGTON MEDICAL CENTE | MD | 42 | 6,166.928571 | FBAE158D43698D8 |

## 4. Slowly Changing Dimension Type 2:

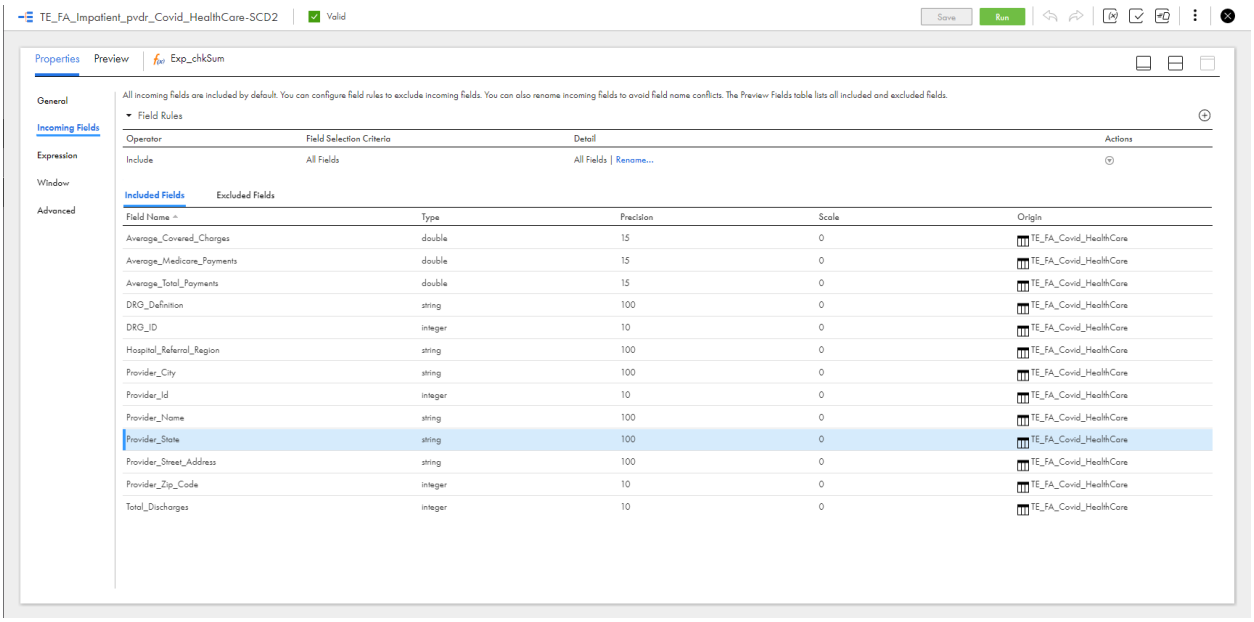
Here we give as historical attribute, and will get the updated data and also previous data with time and date.

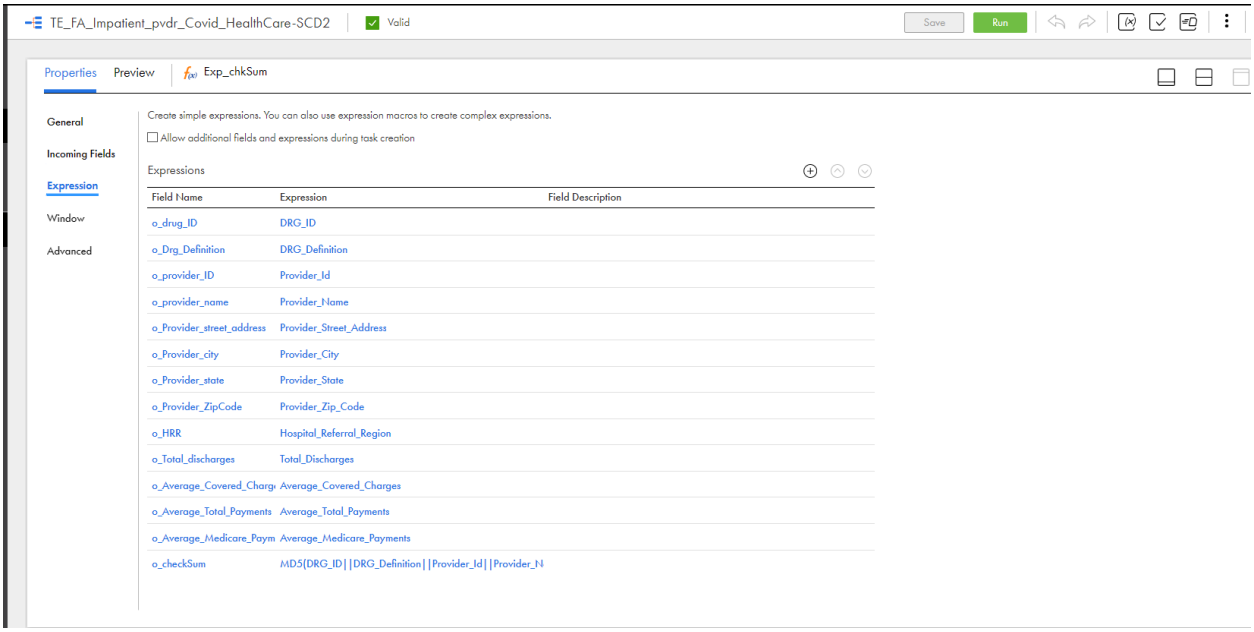



## a) Source:

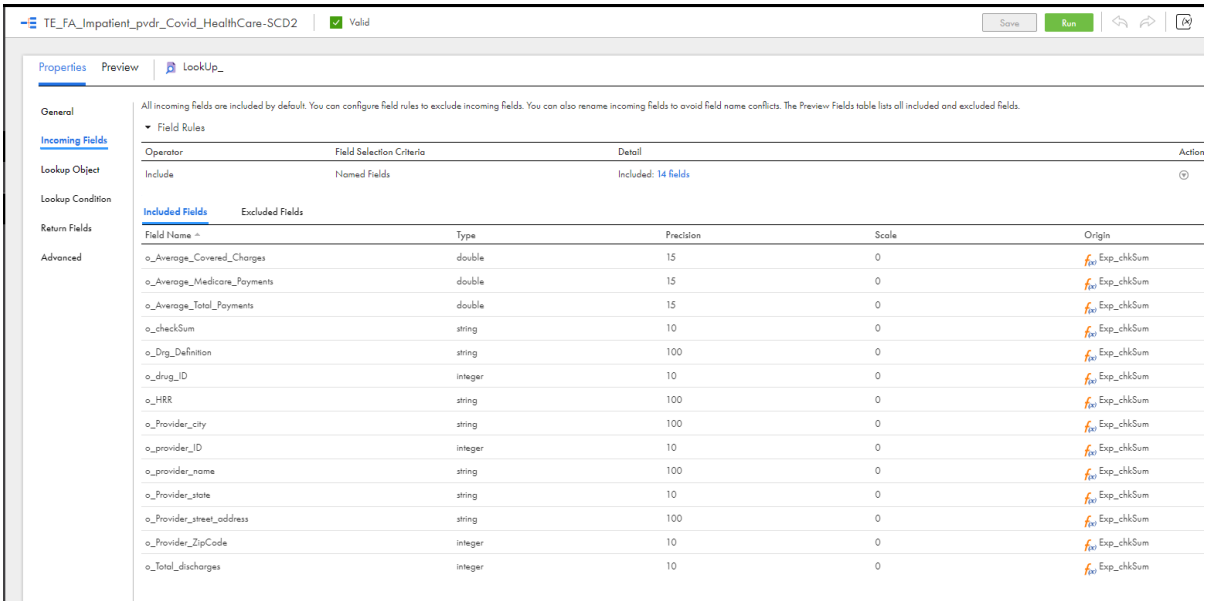


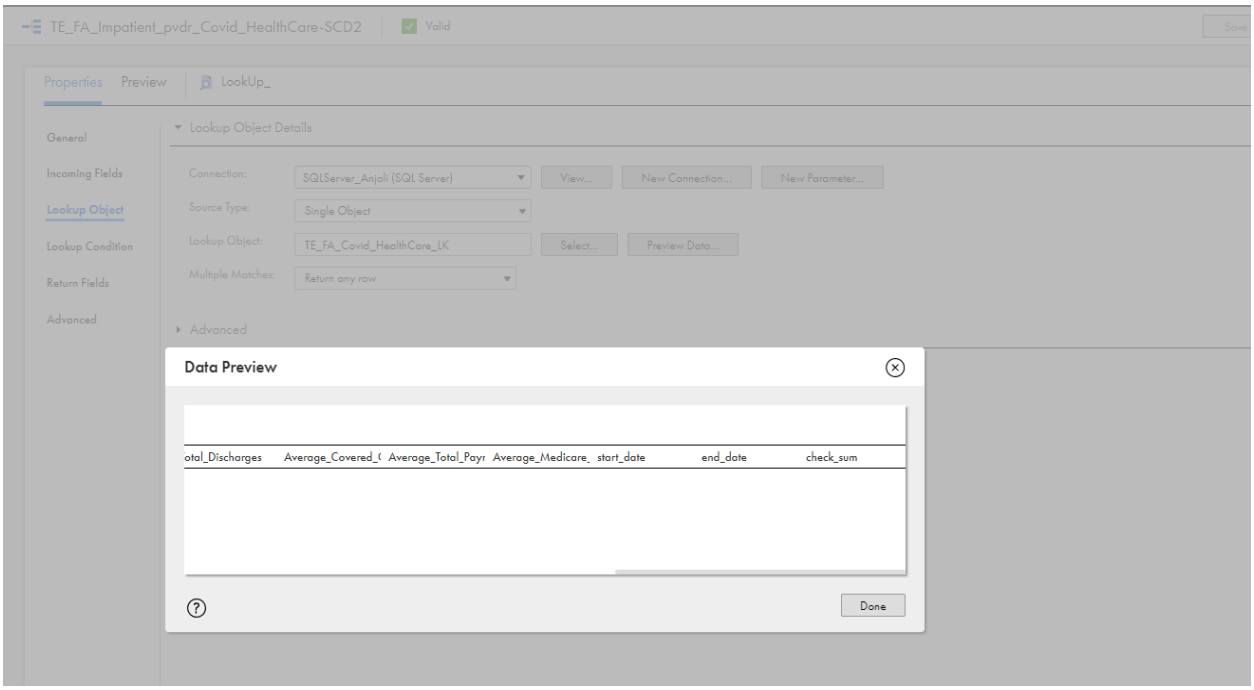
## b) Expression:



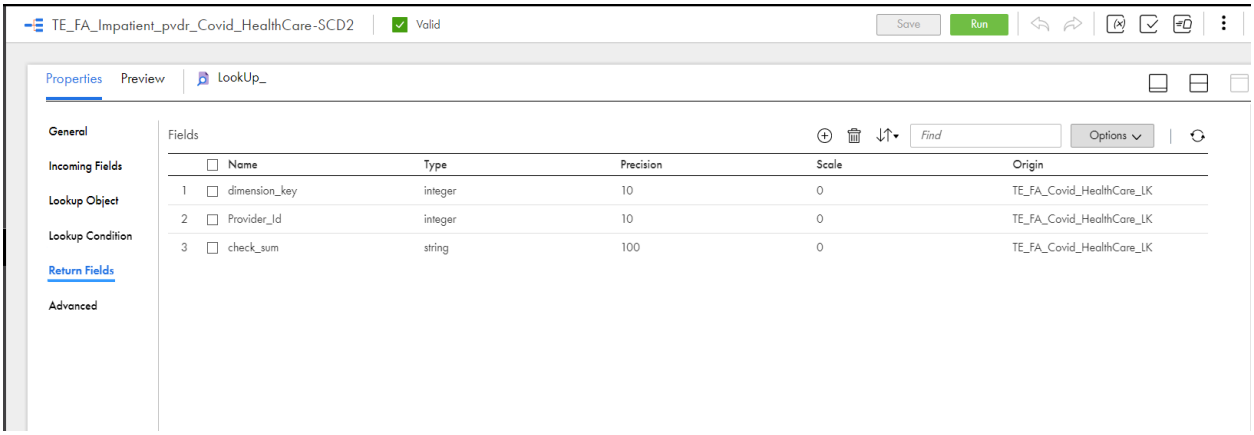



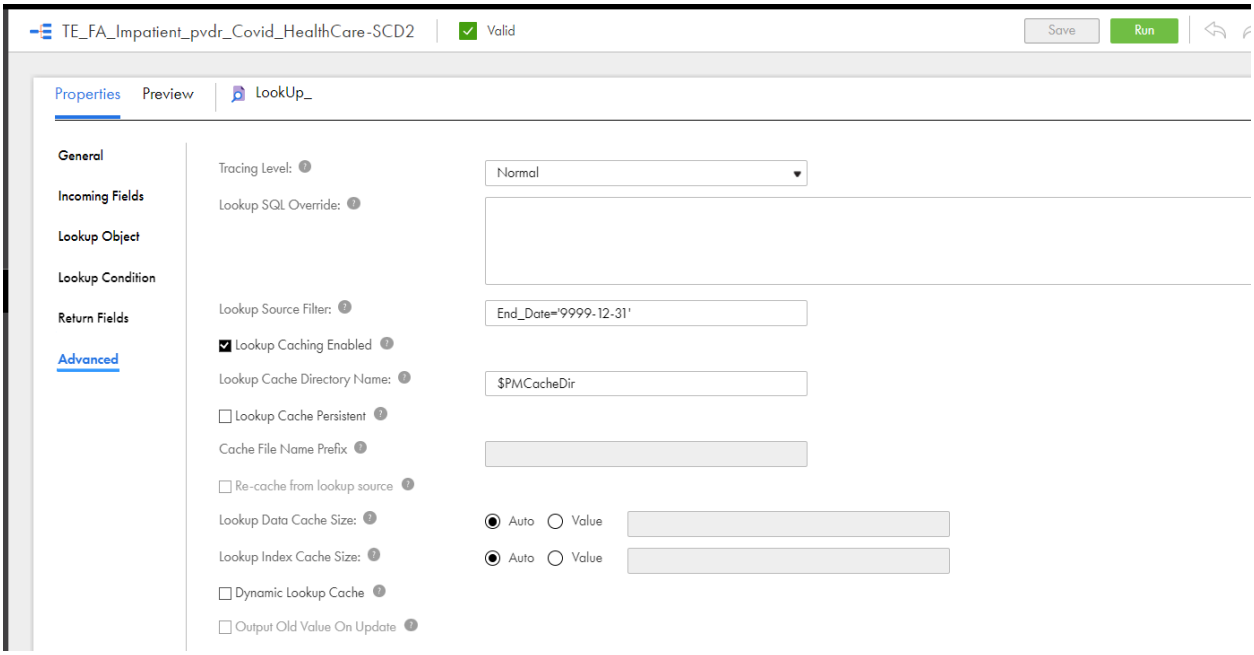
## c) Lookup:


TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2
Valid
Save
Run
Properties
Preview
LookUp_
General
Incoming Fields
Lookup Object
Lookup Condition
Return Fields
Advanced
All incoming fields are included by default. You can configure field rules to exclude incoming fields. You can also rename incoming fields to avoid field name conflicts. The Preview Fields table lists all included and excluded fields.
Field Rules
Operator
Field Selection Criteria
Detail
Action
Include
Named Fields
Included: 14 fields
Included Fields
Excluded Fields
Field Name
Type
Precision
Scale
Origin
o_Average_Covered_Charges double 15 0 Exp_chkSum
o_Average_Medicare_Payments double 15 0 Exp_chkSum
o_Average_Total_Payments double 15 0 Exp_chkSum
o_checkSum string 10 0 Exp_chkSum
o_Drg_Definition string 100 0 Exp_chkSum
o_drug_ID integer 10 0 Exp_chkSum
o_HRR string 100 0 Exp_chkSum
o_Provider_city string 100 0 Exp_chkSum
o_provider_ID integer 10 0 Exp_chkSum
o_provider_name string 100 0 Exp_chkSum
o_Provider_state string 10 0 Exp_chkSum
o_Provider_street_address string 100 0 Exp_chkSum
o_Provider_ZipCode integer 10 0 Exp_chkSum
o_Total_discharges integer 10 0 Exp_chkSum

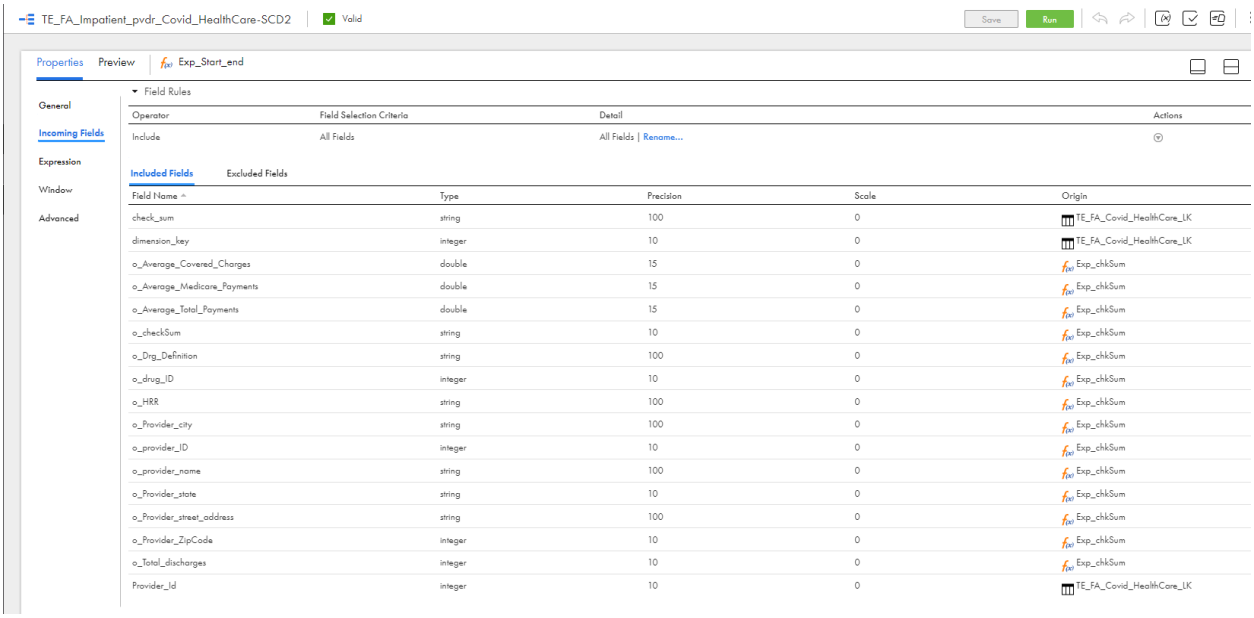

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2
Valid
Properties
Preview
LookUp_
General
Incoming Fields
Lookup Object
Lookup Condition
Return Fields
Advanced
Lookup Object Details
Connection:
SQLServer_Anjali (SQL Server)
View...
New Connection...
New Parameter...
Source Type:
Single Object
Lookup Object:
TE_FA_Covid_HealthCare_LK
Select...
Preview Data...
Multiple Matches:
Return any row
Advanced
Data Preview
otal_Discharges
Average_Covered_(
Average_Total_Payr
Average_Medicare_
start_date
end_date
check_sum
Done

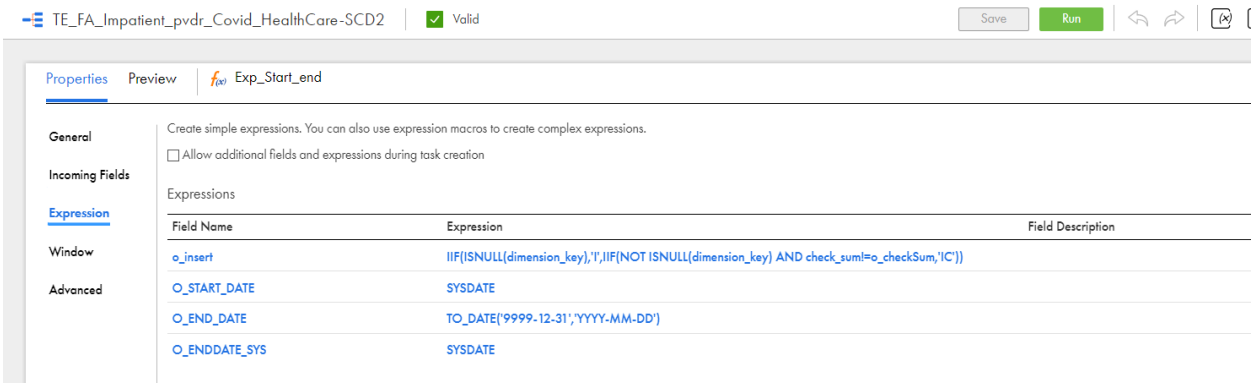
Properties
Preview
LookUp_
General
Incoming Fields
Lookup Object
Lookup Condition
Return Fields
Advanced
Lookup Condition:
Simple
Lookup Conditions
Lookup Field
Operator
Incoming Field
Provider_Id
=
o_provider_ID


TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2
Valid
Save
Run
Properties
Preview
LookUp_
General
Incoming Fields
Lookup Object
Lookup Condition
Return Fields
Advanced
Fields
Find
Options
Name
Type
Precision
Scale
Origin
1 dimension_key integer 10 0 TE_FA_Covid_HealthCare_LK
2 Provider_Id integer 10 0 TE_FA_Covid_HealthCare_LK
3 check_sum string 100 0 TE_FA_Covid_HealthCare_LK

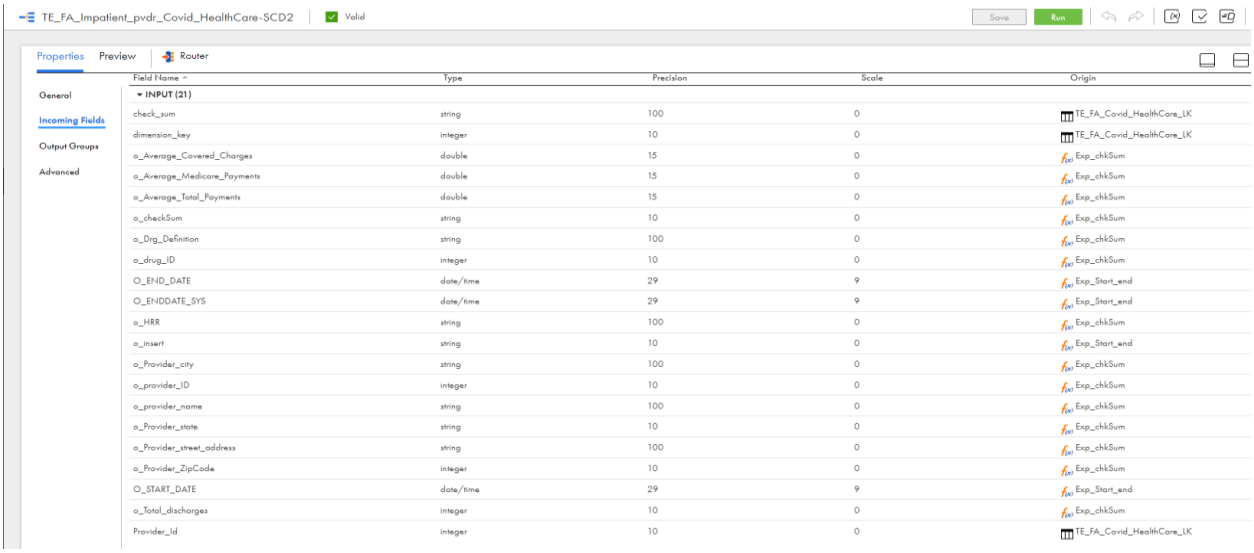

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2
Valid
Save
Run
Properties
Preview
LookUp_
General
Incoming Fields
Lookup Object
Lookup Condition
Return Fields
Advanced
Tracing Level:
Normal
Lookup SQL Override:
Lookup Source Filter:
End_Date='9999-12-31'
Lookup Caching Enabled
Lookup Cache Directory Name:
$PMCacheDir
Lookup Cache Persistent
Cache File Name Prefix
Re-cache from lookup source
Lookup Data Cache Size:
Auto
Value
Lookup Index Cache Size:
Auto
Value
Dynamic Lookup Cache
Output Old Value On Update

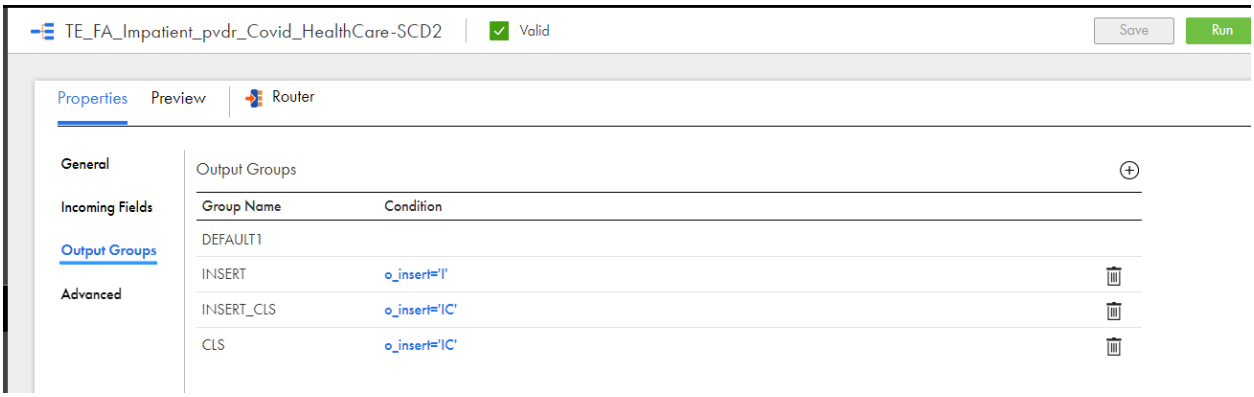
## d) Expression:



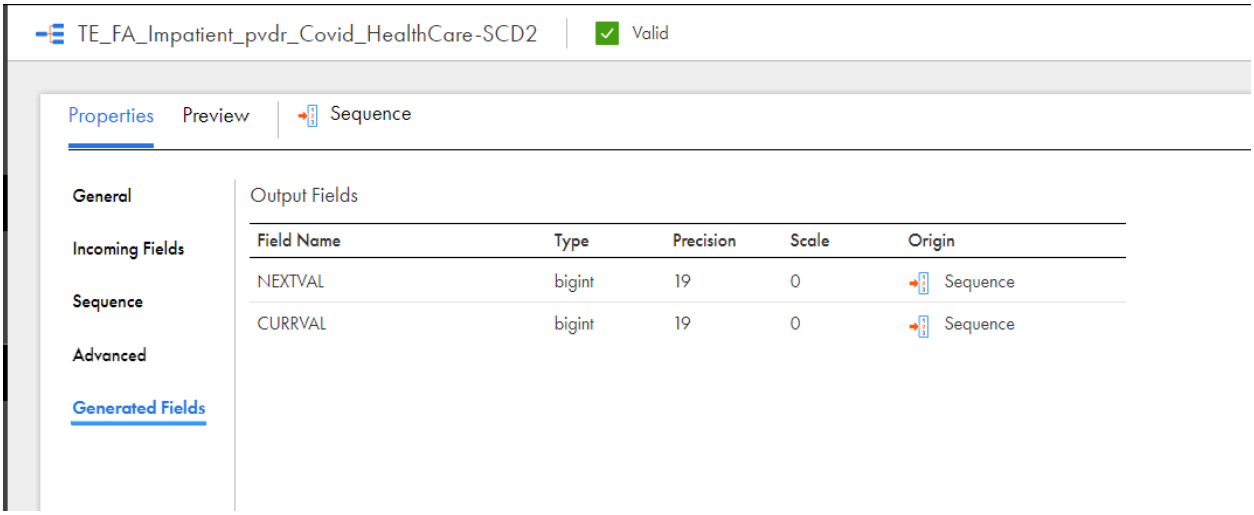




## e) Router:

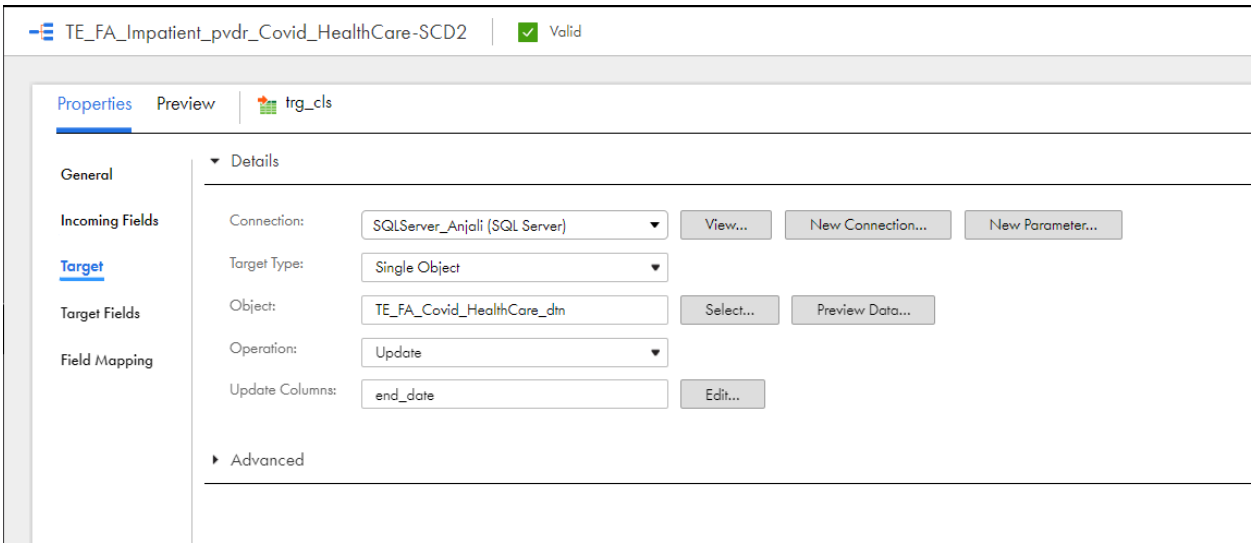


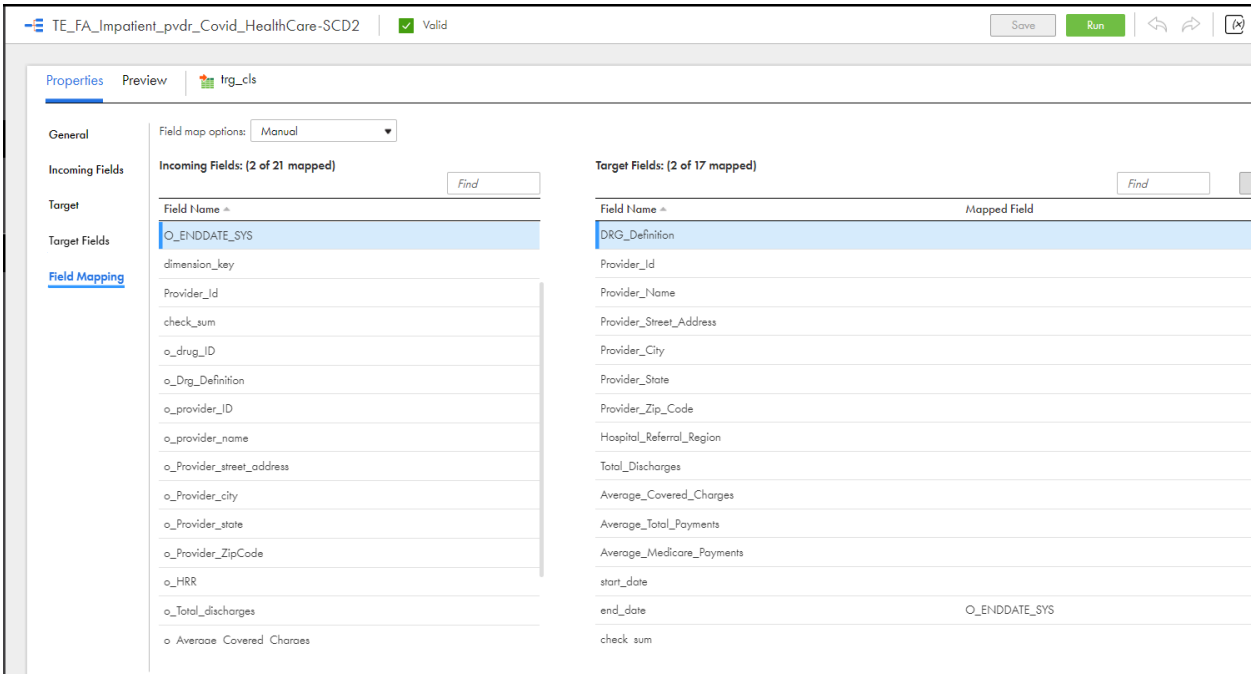



## f) Sequence:

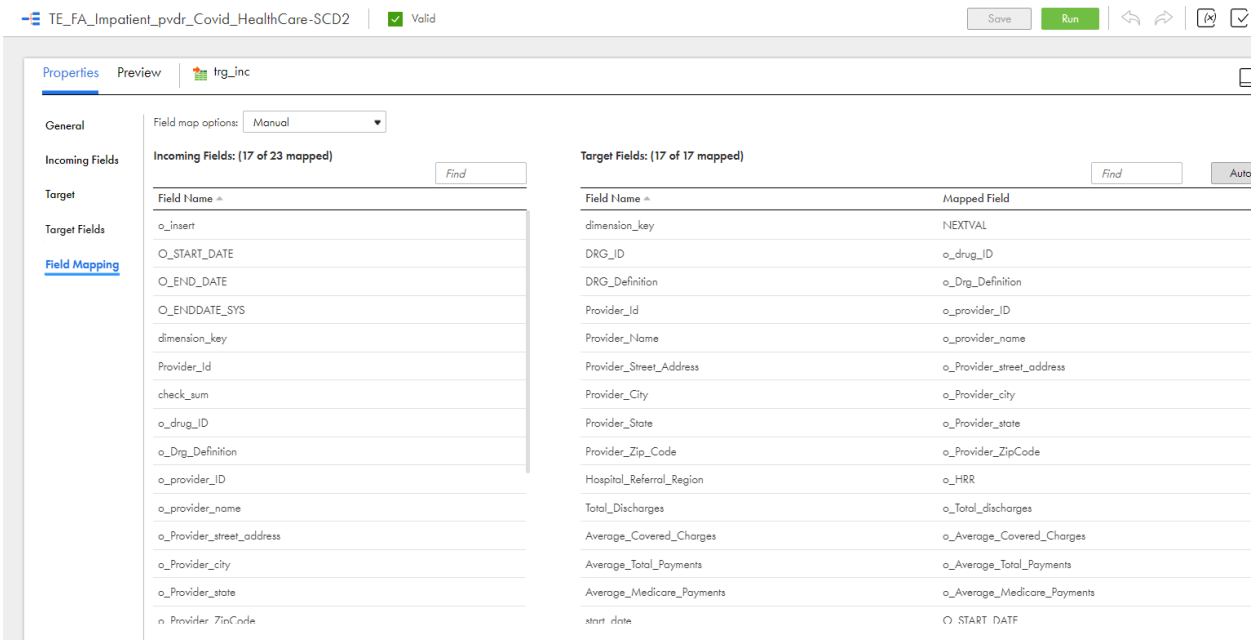



## g) Target cls:

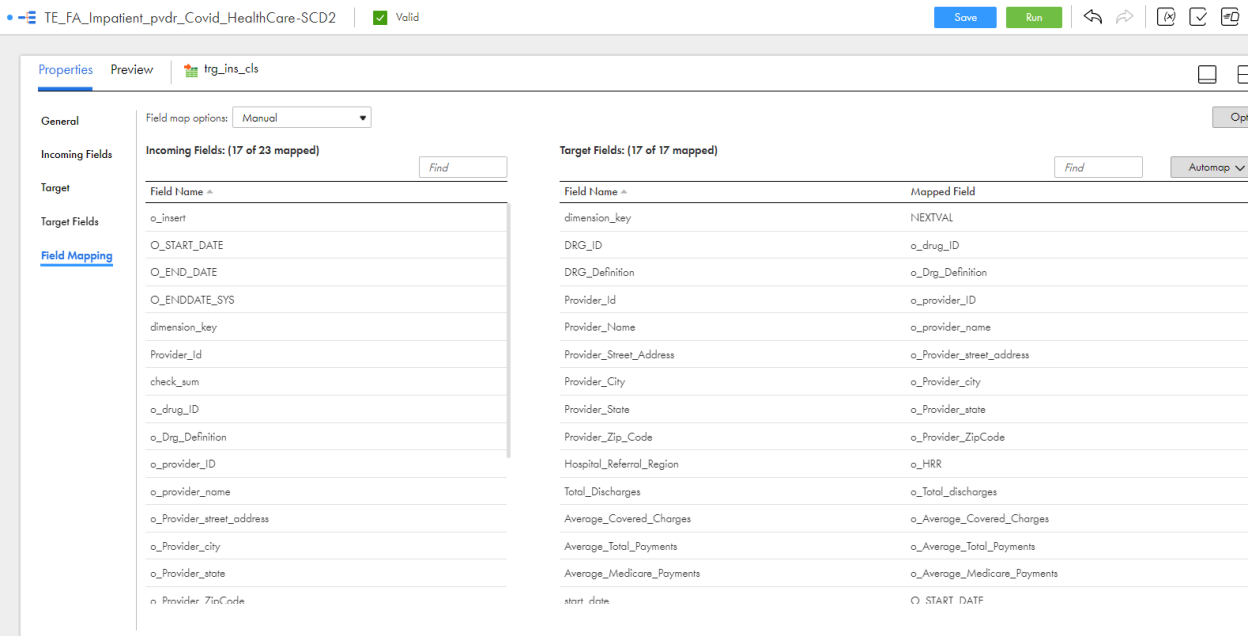




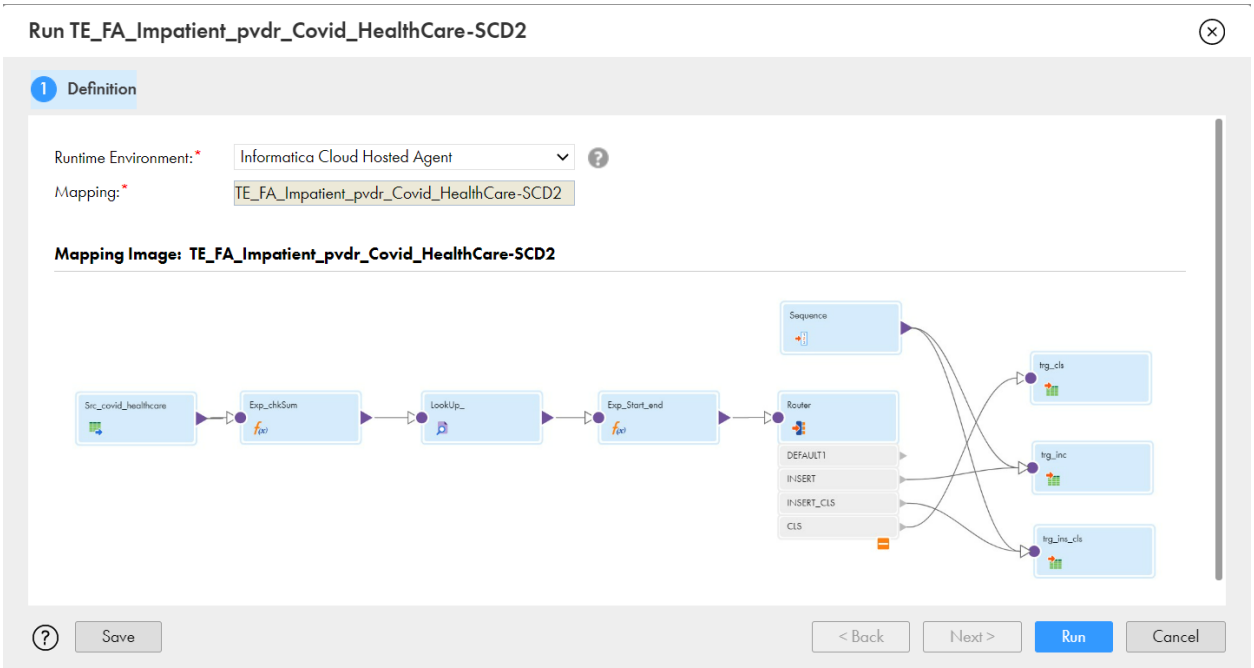

## h) Target insert:



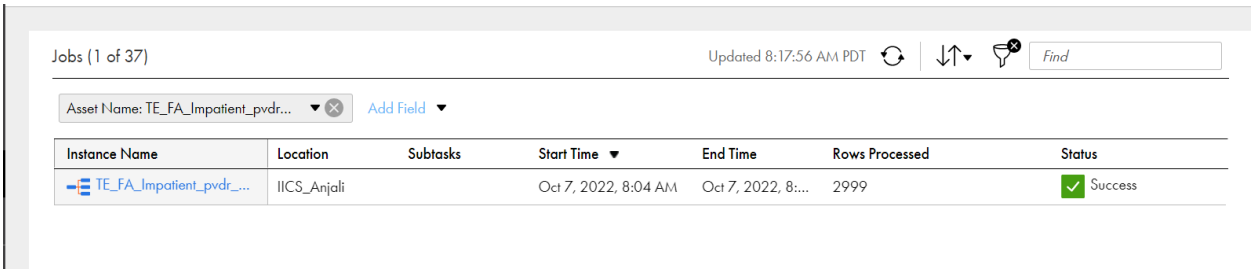
### i) Target ins cls:

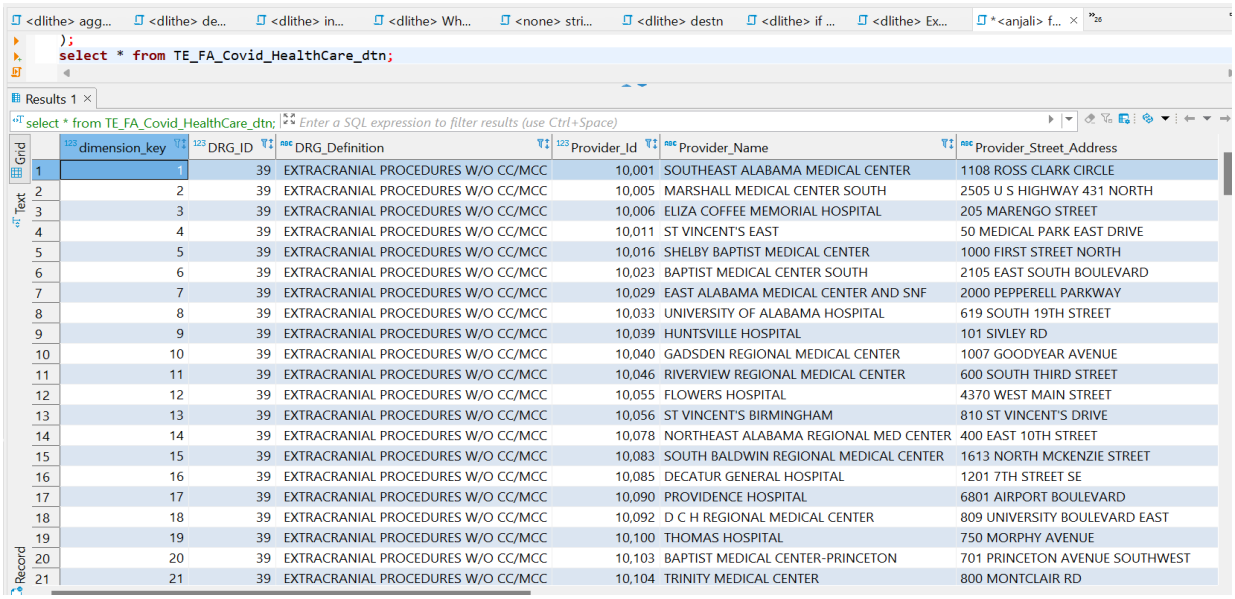



## Result:



Before updating -

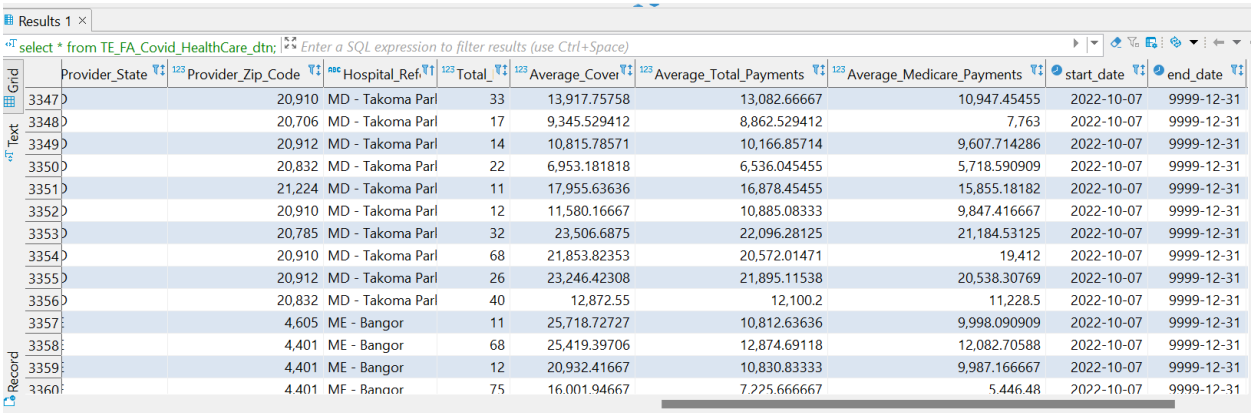



| | dimension_key | DRG_ID | DRG_Definition | Provider_Id | Provider_Name | Provider_Street_Address |
|---|---|---|---|---|---|---|
| 1 | 1 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,001 | SOUTHEAST ALABAMA MEDICAL CENTER | 1108 ROSS CLARK CIRCLE |
| 2 | 2 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,005 | MARSHALL MEDICAL CENTER SOUTH | 2505 U S HIGHWAY 431 NORTH |
| 3 | 3 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,006 | ELIZA COFFEE MEMORIAL HOSPITAL | 205 MARENGO STREET |
| 4 | 4 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,011 | ST VINCENT'S EAST | 50 MEDICAL PARK EAST DRIVE |
| 5 | 5 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,016 | SHELBY BAPTIST MEDICAL CENTER | 1000 FIRST STREET NORTH |
| 6 | 6 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,023 | BAPTIST MEDICAL CENTER SOUTH | 2105 EAST SOUTH BOULEVARD |
| 7 | 7 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,029 | EAST ALABAMA MEDICAL CENTER AND SNF | 2000 PEPPERELL PARKWAY |
| 8 | 8 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,033 | UNIVERSITY OF ALABAMA HOSPITAL | 619 SOUTH 19TH STREET |
| 9 | 9 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,039 | HUNTSVILLE HOSPITAL | 101 SIVLEY RD |
| 10 | 10 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,040 | GADSDEN REGIONAL MEDICAL CENTER | 1007 GOODYEAR AVENUE |
| 11 | 11 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,046 | RIVERVIEW REGIONAL MEDICAL CENTER | 600 SOUTH THIRD STREET |
| 12 | 12 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,055 | FLOWERS HOSPITAL | 4370 WEST MAIN STREET |
| 13 | 13 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,056 | ST VINCENT'S BIRMINGHAM | 810 ST VINCENT'S DRIVE |
| 14 | 14 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,078 | NORTHEAST ALABAMA REGIONAL MED CENTER | 400 EAST 10TH STREET |
| 15 | 15 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,083 | SOUTH BALDWIN REGIONAL MEDICAL CENTER | 1613 NORTH MCKENZIE STREET |
| 16 | 16 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,085 | DECATUR GENERAL HOSPITAL | 1201 7TH STREET SE |
| 17 | 17 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,090 | PROVIDENCE HOSPITAL | 6801 AIRPORT BOULEVARD |
| 18 | 18 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,092 | D C H REGIONAL MEDICAL CENTER | 809 UNIVERSITY BOULEVARD EAST |
| 19 | 19 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,100 | THOMAS HOSPITAL | 750 MORPHY AVENUE |
| 20 | 20 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,103 | BAPTIST MEDICAL CENTER-PRINCETON | 701 PRINCETON AVENUE SOUTHWEST |
| 21 | 21 | 39 | EXTRACRANIAL PROCEDURES W/O CC/MCC | 10,104 | TRINITY MEDICAL CENTER | 800 MONTCLAIR RD |

After updating -

```
update TE_FA_Covid_HealthCare
set Hospital_Referral_Region='MD - Salisbury' where provider_ID=210028;
update TE_FA_Covid_HealthCare
set Hospital_Referral_Region='MD - Takoma Park' where provider_ID=210029;
```

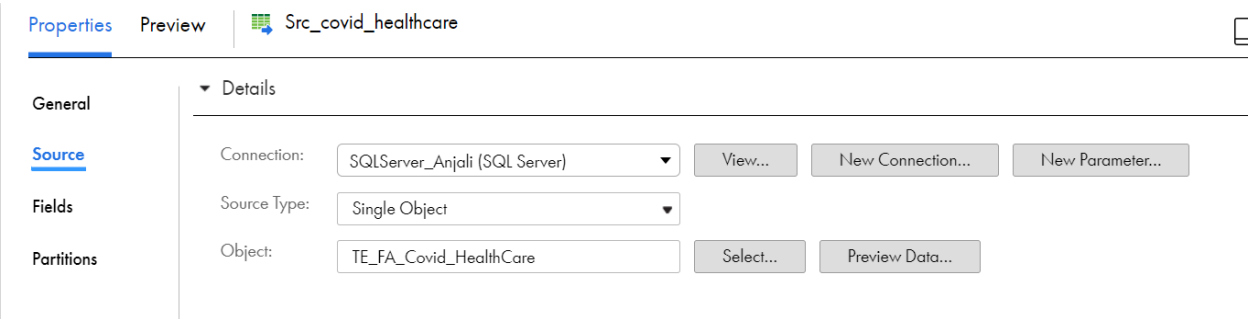



| | Provider_State | Provider_Zip_Code | Hospital_Ref | Total_ | Average_Cover | Average_Total_Payments | Average_Medicare_Payments | start_date | end_date |
|---|---|---|---|---|---|---|---|---|---|
| 3347 | 20,910 | MD - Takoma Parl | 33 | 13,917.75758 | 13,082.66667 | 10,947.45455 | 2022-10-07 | 9999-12-31 |
| 3348 | 20,706 | MD - Takoma Parl | 17 | 9,345.529412 | 8,862.529412 | 7,763 | 2022-10-07 | 9999-12-31 |
| 3349 | 20,912 | MD - Takoma Parl | 14 | 10,815.78571 | 10,166.85714 | 9,607.714286 | 2022-10-07 | 9999-12-31 |
| 3350 | 20,832 | MD - Takoma Parl | 22 | 6,953.181818 | 6,536.045455 | 5,718.590909 | 2022-10-07 | 9999-12-31 |
| 3351 | 21,224 | MD - Takoma Parl | 11 | 17,955.63636 | 16,878.45455 | 15,855.18182 | 2022-10-07 | 9999-12-31 |
| 3352 | 20,910 | MD - Takoma Parl | 12 | 11,580.16667 | 10,885.08333 | 9,847.416667 | 2022-10-07 | 9999-12-31 |
| 3353 | 20,785 | MD - Takoma Parl | 32 | 23,506.6875 | 22,096.28125 | 21,184.53125 | 2022-10-07 | 9999-12-31 |
| 3354 | 20,910 | MD - Takoma Parl | 68 | 21,853.82353 | 20,572.01471 | 19,412 | 2022-10-07 | 9999-12-31 |
| 3355 | 20,912 | MD - Takoma Parl | 26 | 23,246.42308 | 21,895.11538 | 20,538.30769 | 2022-10-07 | 9999-12-31 |
| 3356 | 20,832 | MD - Takoma Parl | 40 | 12,872.55 | 12,100.2 | 11,228.5 | 2022-10-07 | 9999-12-31 |
| 3357 | 4,605 | ME - Bangor | 11 | 25,718.72727 | 10,812.63636 | 9,998.090909 | 2022-10-07 | 9999-12-31 |
| 3358 | 4,401 | ME - Bangor | 68 | 25,419.39706 | 12,874.69118 | 12,082.70588 | 2022-10-07 | 9999-12-31 |
| 3359 | 4,401 | ME - Bangor | 12 | 20,932.41667 | 10,830.83333 | 9,987.166667 | 2022-10-07 | 9999-12-31 |
| 3360 | 4,401 | ME - Bangor | 75 | 16,001.94667 | 7,225.666667 | 5,446.48 | 2022-10-07 | 9999-12-31 |

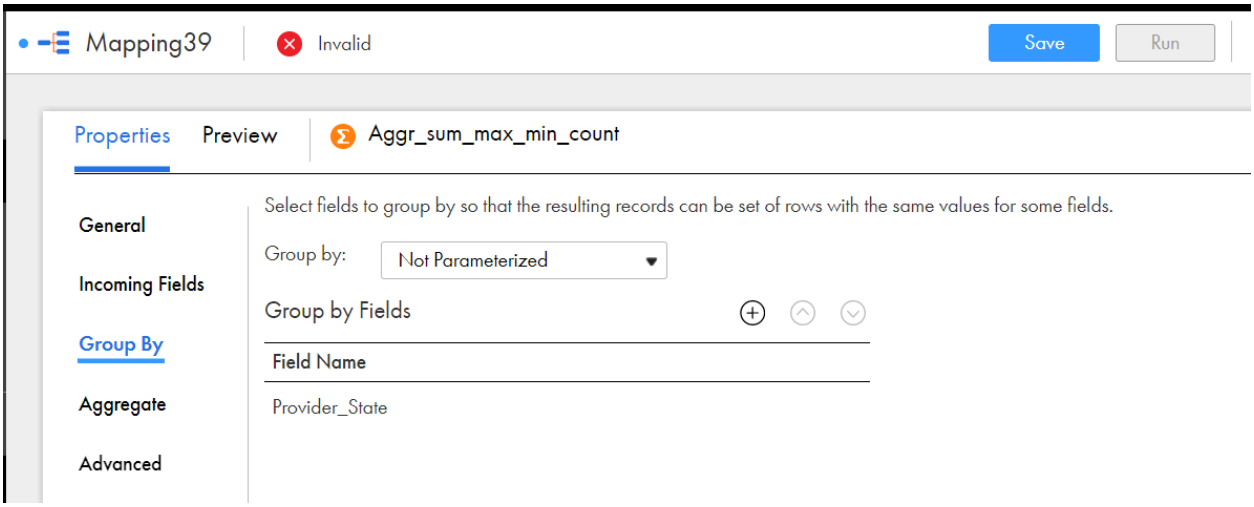
## 5. Aggregator

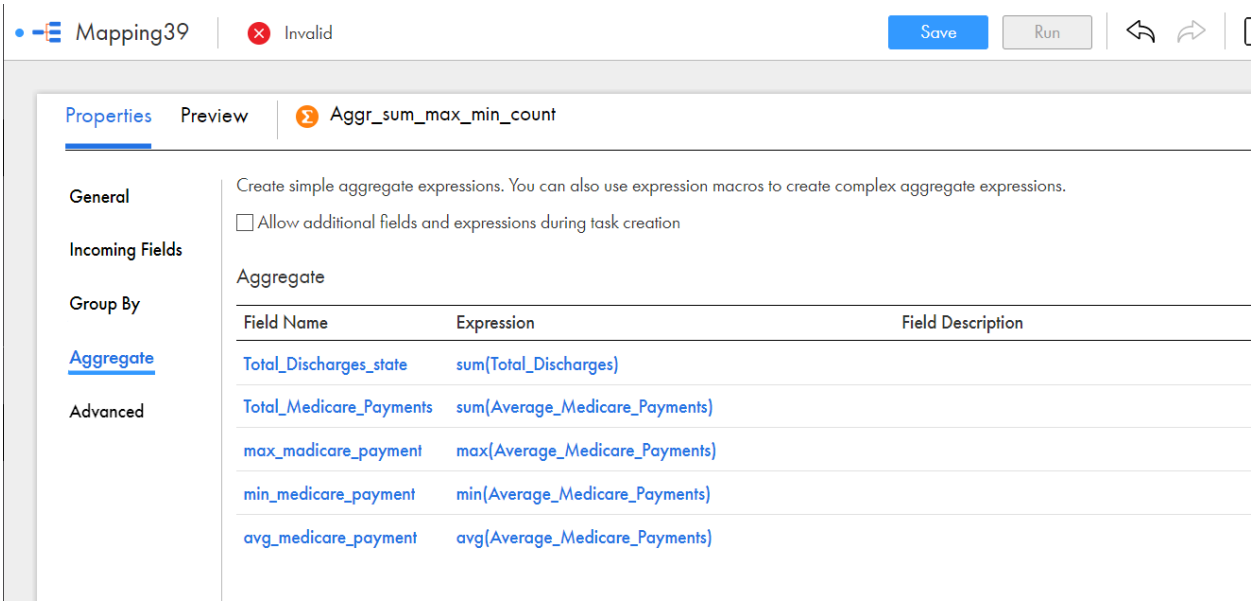
We can add extra column with aggregate functions like sum, max, min, count, avg.

### a) Source:



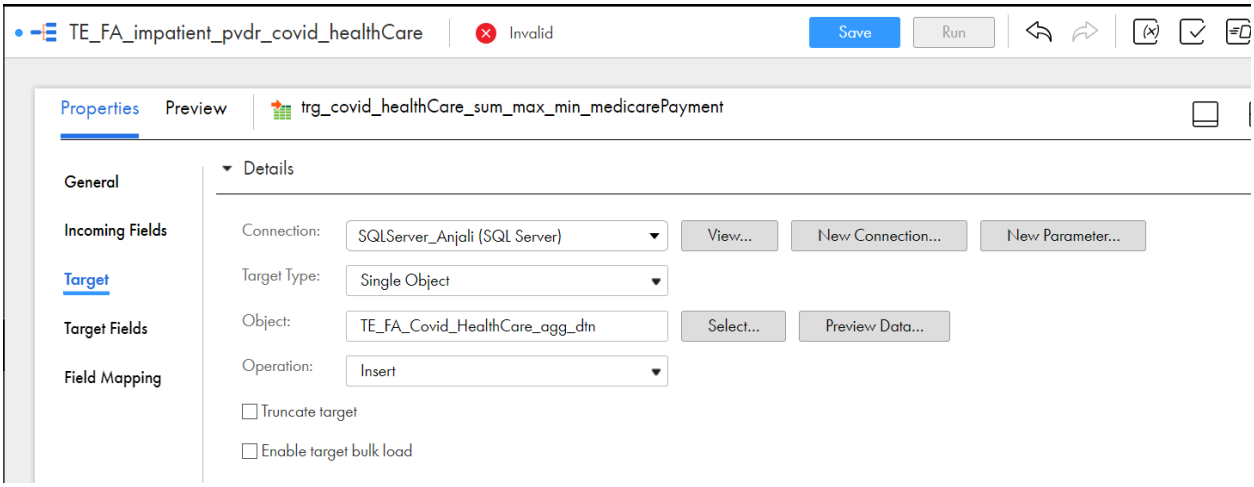

### b) Aggregator:

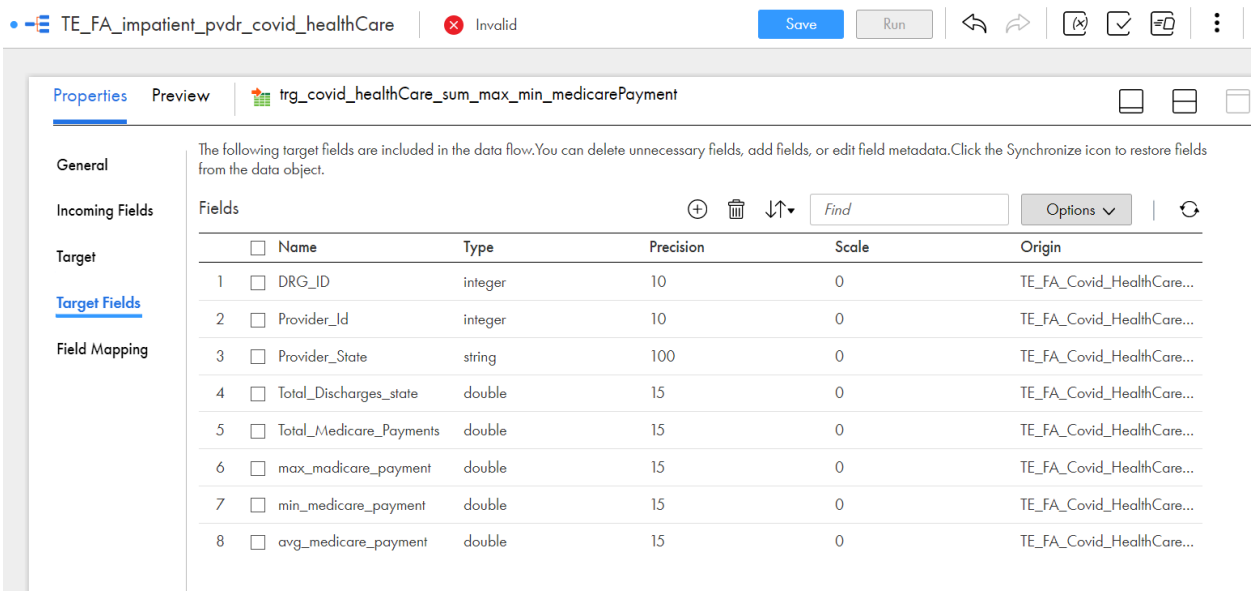


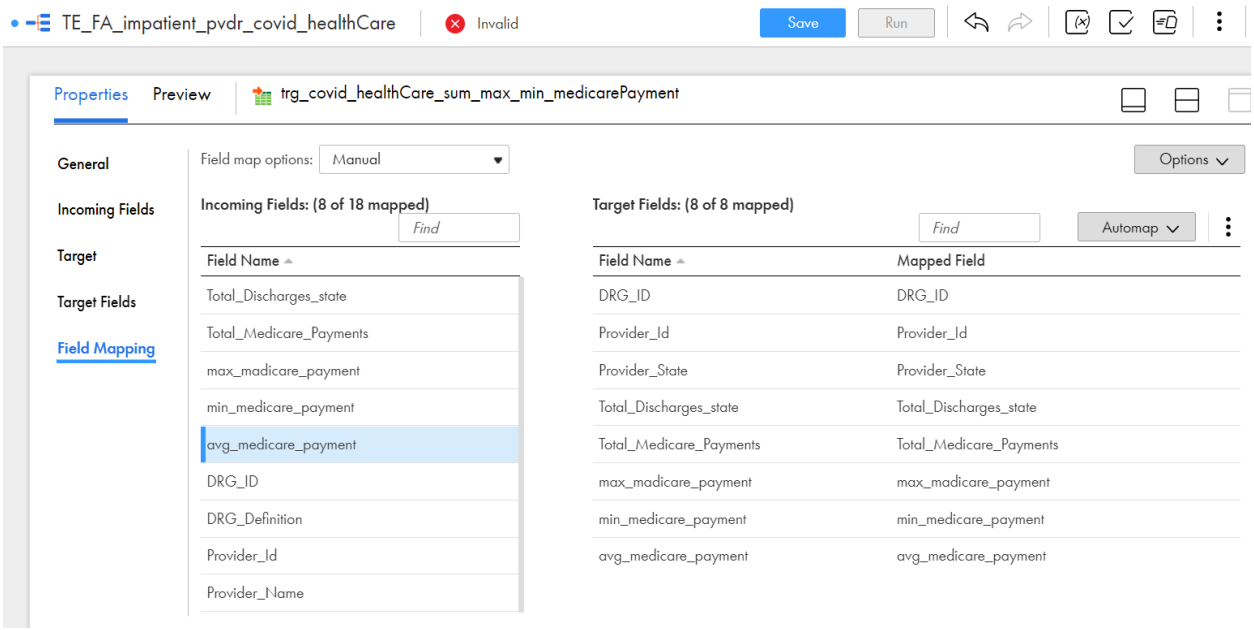



### c) Target:

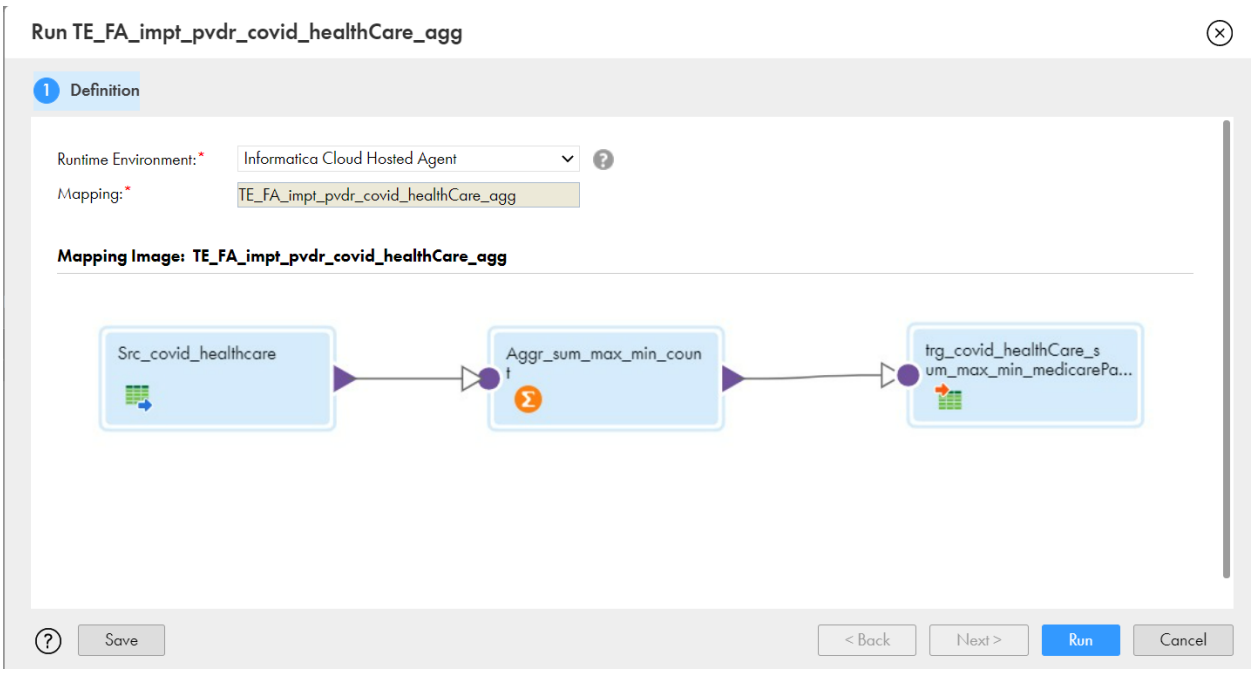
```
---aggregator
create table TE_FA_Covid_HealthCare_agg_dtn
(
 DRG_ID int,
 Provider_Id int,
 Provider_State varchar(100),
 Total_Discharges_state float,
 Total_Medicare_Payments float,
 max_madicare_payment float,
 min_medicare_payment float,
 avg_medicare_payment float
);
select * from TE_FA_Covid_HealthCare_agg_dtn;
```




TE_FA_impatient_pvdr_covid_healthCare
Invalid
Save
Run
Properties
Preview
trg_covid_healthCare_sum_max_min_medicarePayment
General
Incoming Fields
Target
Target Fields
Field Mapping
Field map options:
Manual
Options
Incoming Fields: (8 of 18 mapped)
Find
Field Name
Total_Discharges_state
Total_Medicare_Payments
max_madicare_payment
min_medicare_payment
avg_medicare_payment
DRG_ID
DRG_Definition
Provider_Id
Provider_Name
Target Fields: (8 of 8 mapped)
Find
Automap
Field Name
Mapped Field
DRG_ID
DRG_ID
Provider_Id
Provider_Id
Provider_State
Provider_State
Total_Discharges_state
Total_Discharges_state
Total_Medicare_Payments
Total_Medicare_Payments
max_madicare_payment
max_madicare_payment
min_medicare_payment
min_medicare_payment
avg_medicare_payment
avg_medicare_payment

## Result:


Run TE_FA_impt_pvdr_covid_healthCare_agg
1 Definition
Runtime Environment:*
Informatica Cloud Hosted Agent
Mapping:*
TE_FA_impt_pvdr_covid_healthCare_agg
Mapping Image: TE_FA_impt_pvdr_covid_healthCare_agg
Src_covid_healthcare
Aggr_sum_max_min_coun
t
trg_covid_healthCare_s
um_max_min_medicarePa...
Save
< Back
Next >
Run
Cancel

```
select * from TE_FA_Covid_HealthCare_agg_dtn;
```

Results 1

select * from TE_FA_Covid_HealthCare_agg_dtn; Enter a SQL expression to filter results (use Ctrl+Space)

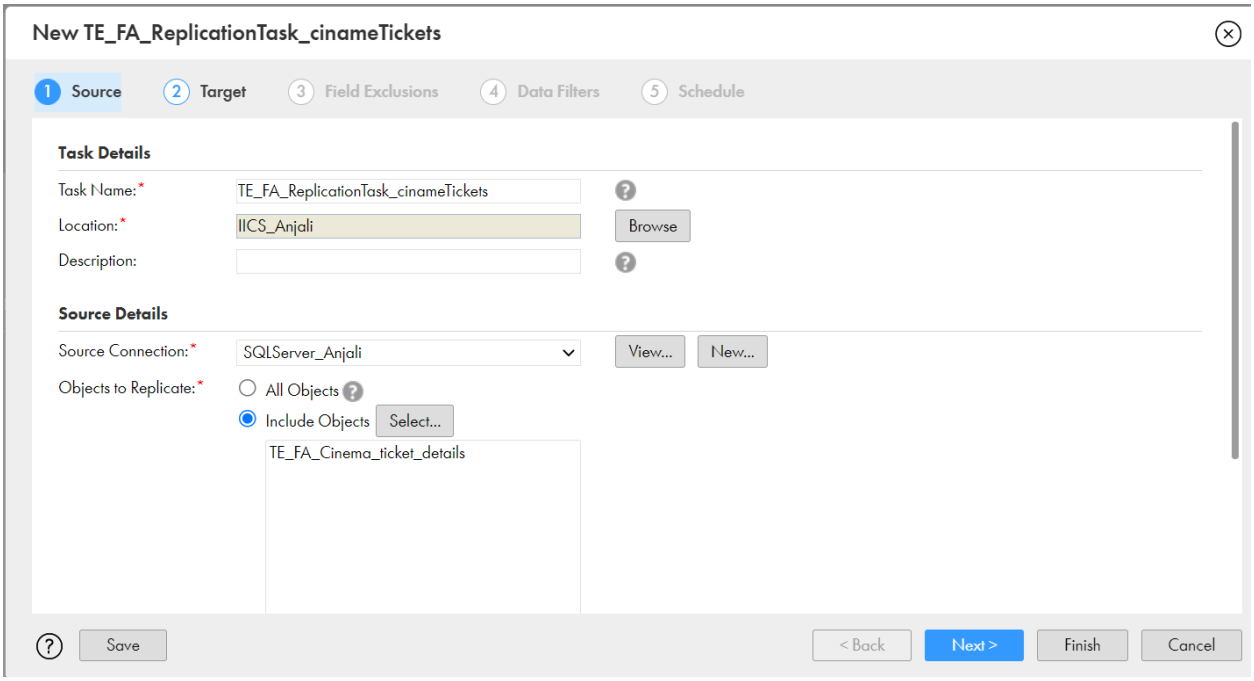
| | RG_ID | Provider_I | Provider_Sta | Total_Discharges_state | Total_Medicare_Payments | max_madicare_payment | min_medicare_payment | avg_medicare_payment |
|---|---|---|---|---|---|---|---|---|
| 1 | 64 | 20,012 | AK | 79 | 55,605.8548 | 24,413.909 | 6,413.7826 | 13,901.4637 |
| 2 | 64 | 10,149 | AL | 2,725 | 548,743.956 | 12,512.5798 | 3,476.63636 | 6,611.37296 |
| 3 | 64 | 40,119 | AR | 1,558 | 310,673.533 | 16,877.6666 | 3,878.45454 | 6,903.85629 |
| 4 | 64 | 30,121 | AZ | 1,884 | 549,435.407 | 19,887.7647 | 3,592.85714 | 8,079.93245 |
| 5 | 64 | 50,764 | CA | 8,444 | 3,642,832.73 | 34,455 | 4,218.14285 | 11,751.0733 |
| 6 | 64 | 60,119 | CO | 980 | 325,807.567 | 18,160.4642 | 3,895.25 | 7,757.32303 |
| 7 | 64 | 70,036 | CT | 1,637 | 515,072.433 | 20,244.7741 | 5,305.78787 | 9,718.34779 |
| 8 | 64 | 90,011 | DC | 433 | 144,796.01 | 25,989.0909 | 6,403.21052 | 12,066.3342 |
| 9 | 64 | 80,007 | DE | 547 | 79,618.142 | 13,977.2666 | 5,043.78787 | 8,846.46022 |
| 10 | 64 | 100,290 | FL | 9,875 | 2,088,863.56 | 25,335.309 | 3,599.17241 | 7,056.97149 |
| 11 | 64 | 110,229 | GA | 3,466 | 879,980.586 | 19,256.9411 | 3,907.58333 | 7,719.12795 |
| 12 | 64 | 120,027 | HI | 273 | 170,650.095 | 30,295.7368 | 6,846.875 | 14,220.8412 |
| 13 | 64 | 160,153 | IA | 1,181 | 288,740.405 | 15,744.3431 | 4,152.7619 | 7,042.4489 |
| 14 | 64 | 130,049 | ID | 304 | 107,676.941 | 11,754.6428 | 4,658.33333 | 7,691.21012 |
| 15 | 64 | 140,304 | IL | 6,093 | 1,654,494.82 | 22,219.4821 | 3,976.17391 | 8,031.52828 |
| 16 | 64 | 150,177 | IN | 3,446 | 810,877.978 | 17,874.88 | 3,304.46153 | 6,990.3274 |
| 17 | 64 | 170,182 | KS | 1,341 | 271,217.977 | 12,069.8912 | 3,813.15384 | 6,457.57089 |
| 18 | 64 | 180,141 | KY | 2,452 | 446,891.997 | 17,426.4237 | 3,834 | 7,326.09831 |
| 19 | 64 | 190,274 | LA | 1,895 | 474,049.99 | 17,090.5238 | 4,058.16666 | 7,407.0311 |
| 20 | 57 | 220,176 | MA | 1,797 | 413,641.322 | 11,093.0799 | 4,289 | 6,463.14565 |
| 21 | 64 | 210,029 | MD | 3,082 | 835,124.825 | 48,632.2812 | 4,348.53571 | 10,706.7285 |

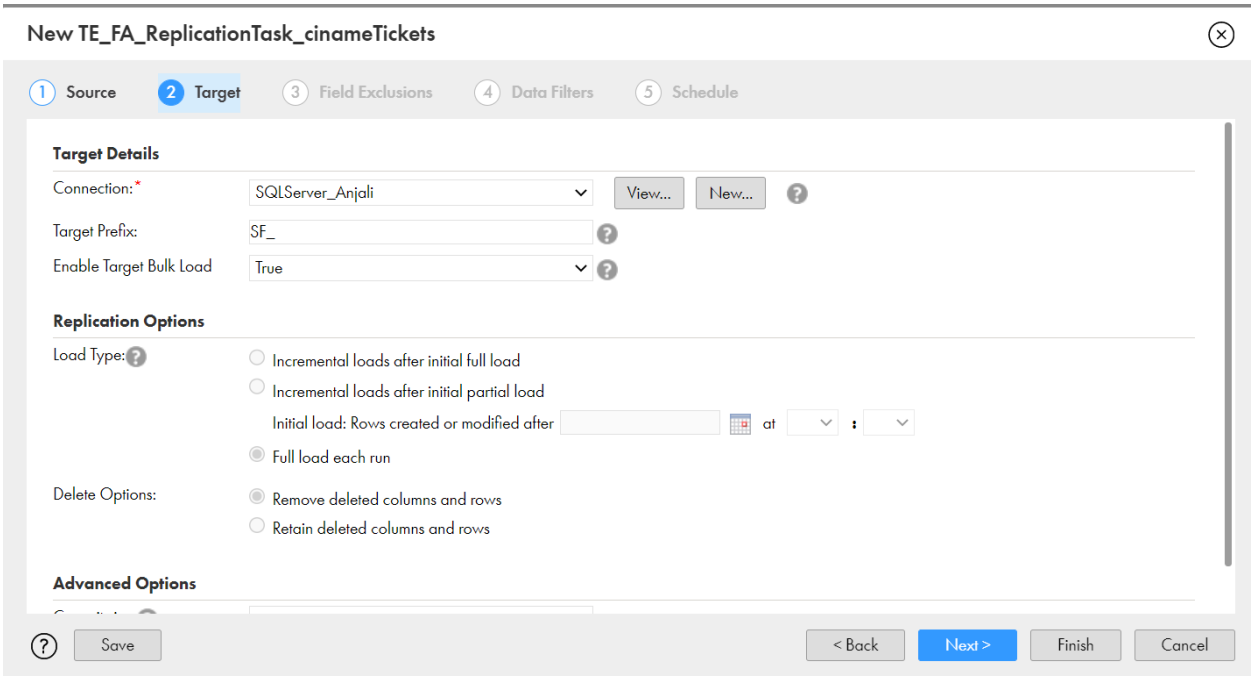
## 6. Replication

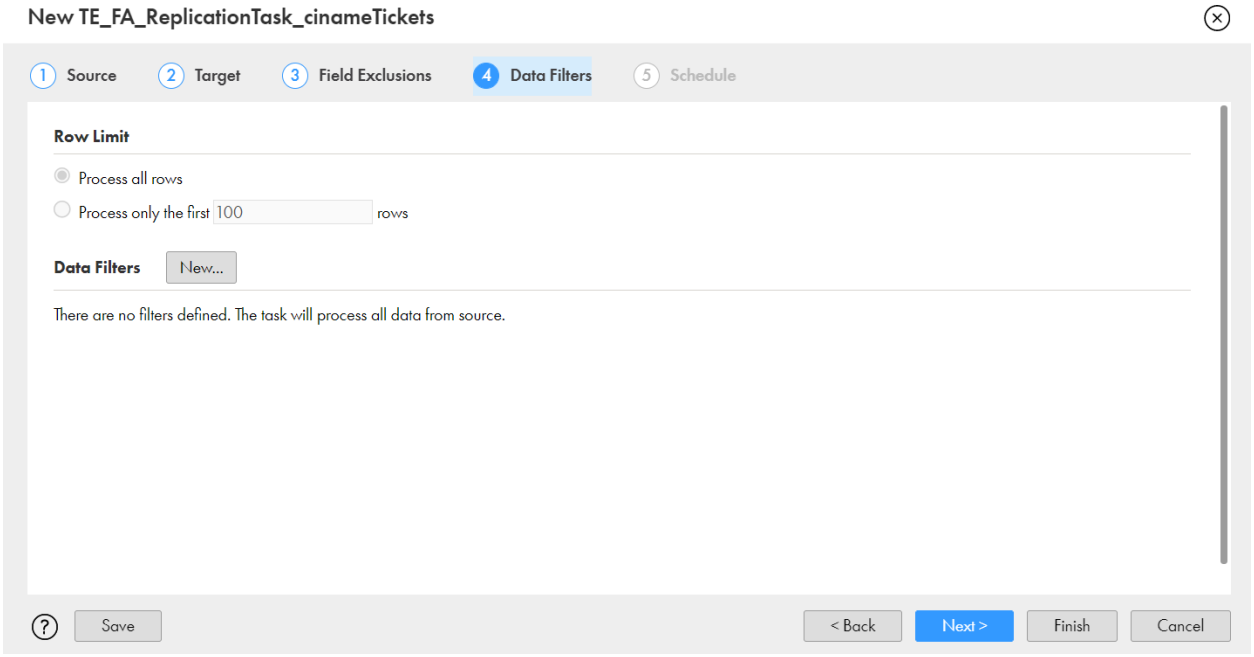
We can get replicated data in same database or can copy to another database also.

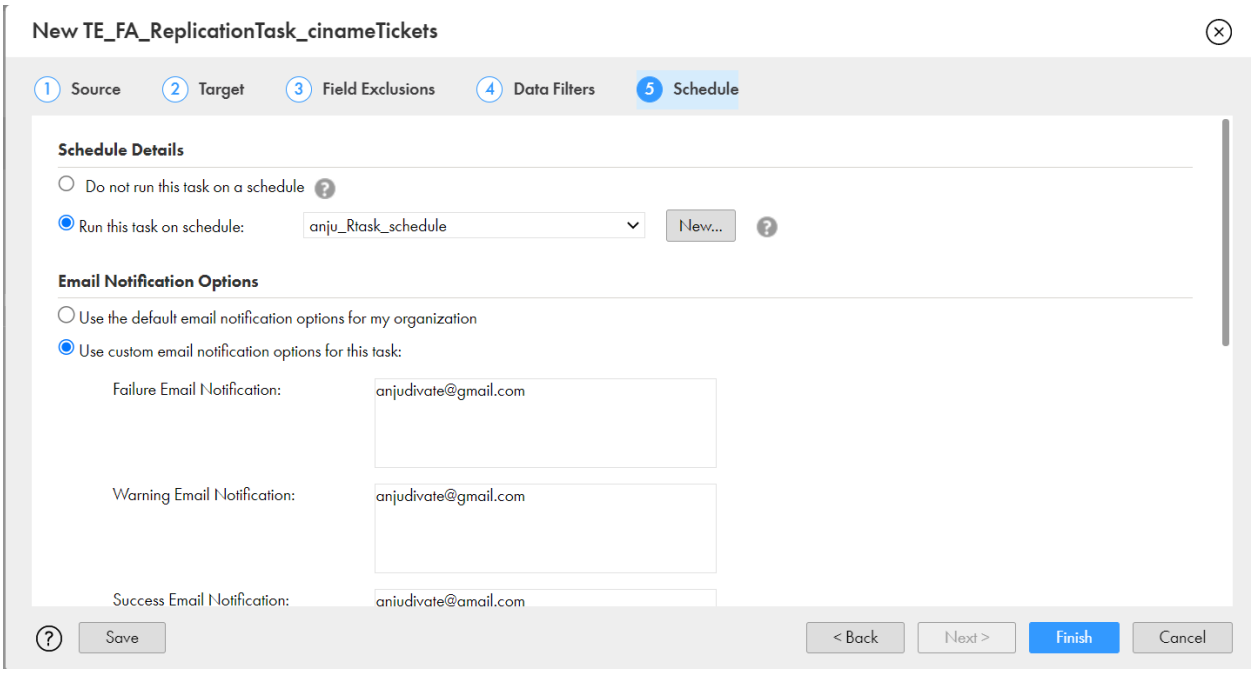
### 1. **Single Task:** Replicating single task

Replicating a task in the same database.




New TE_FA_ReplicationTask_cinameTickets
1 Source
2 Target
3 Field Exclusions
4 Data Filters
5 Schedule
Target Details
Connection:*
SQLServer_Anjali
View...
New...
Target Prefix:
SF_
Enable Target Bulk Load
True
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
Save
< Back
Next >
Finish
Cancel


New TE_FA_ReplicationTask_cinameTickets
1 Source
2 Target
3 Field Exclusions
4 Data Filters
5 Schedule
Row Limit
Process all rows
Process only the first 100 rows
Data Filters
New...
There are no filters defined. The task will process all data from source.
Save
< Back
Next >
Finish
Cancel




TE_FA_ReplicationTask_cinameTickets

**Task Details**

| | |
|---|---|
| Task Name:* | TE_FA_ReplicationTask_cinameTickets |
| Location:* | IICS_Anjali |
| Description: | |
| Created On: | Oct 8, 2022 1:53:06 AM |
| Updated On: | Oct 8, 2022 1:53:06 AM |
| Created By: | anjali_du |
| Updated By: | anjali_du |
| Last Run: | |

**Source Details**

| | |
|---|---|
| Source Connection:* | SQLServer_Anjali |
| Included Objects: | TE_FA_Cinema_ticket_details |
| Stop on Error: | Cancel processing the remaining objects |

**Target Details**

| | |
|---|---|
| Target Connection:* | SQLServer_Anjali |
| Target Prefix: | SF_ |
| Load Type: | Full load each run |
| Delete Options: | Remove deleted columns and rows |
| Commit size: | Not specified |
| Enable Target Bulk Load | True |

**Field Exclusions**

| | |
|---|---|
| Excluded Fields: | There are no fields excluded for any object. All fields for all selected objects will be replicated. |

**Data Filters**

| | |
|---|---|
| Row Limit: | Process all rows |
| Data Filters: | There are no filters defined. The task will process all data from source. |

**Schedule**

| | |
|---|---|
| Schedule: | anju_Rtask_schedule |

## Result:

Asset Name: TE_FA_ReplicationTask... Add Field

| Instance Name | Location | Subtasks | Start Time | End Time | Rows Processed | Status |
|---|---|---|---|---|---|---|
| TE_FA_ReplicationTask_... | IICS_Anjali | 1 task | Oct 8, 2022, 1:54 AM | Oct 8, 2022, 1:... | 3002 | Success |

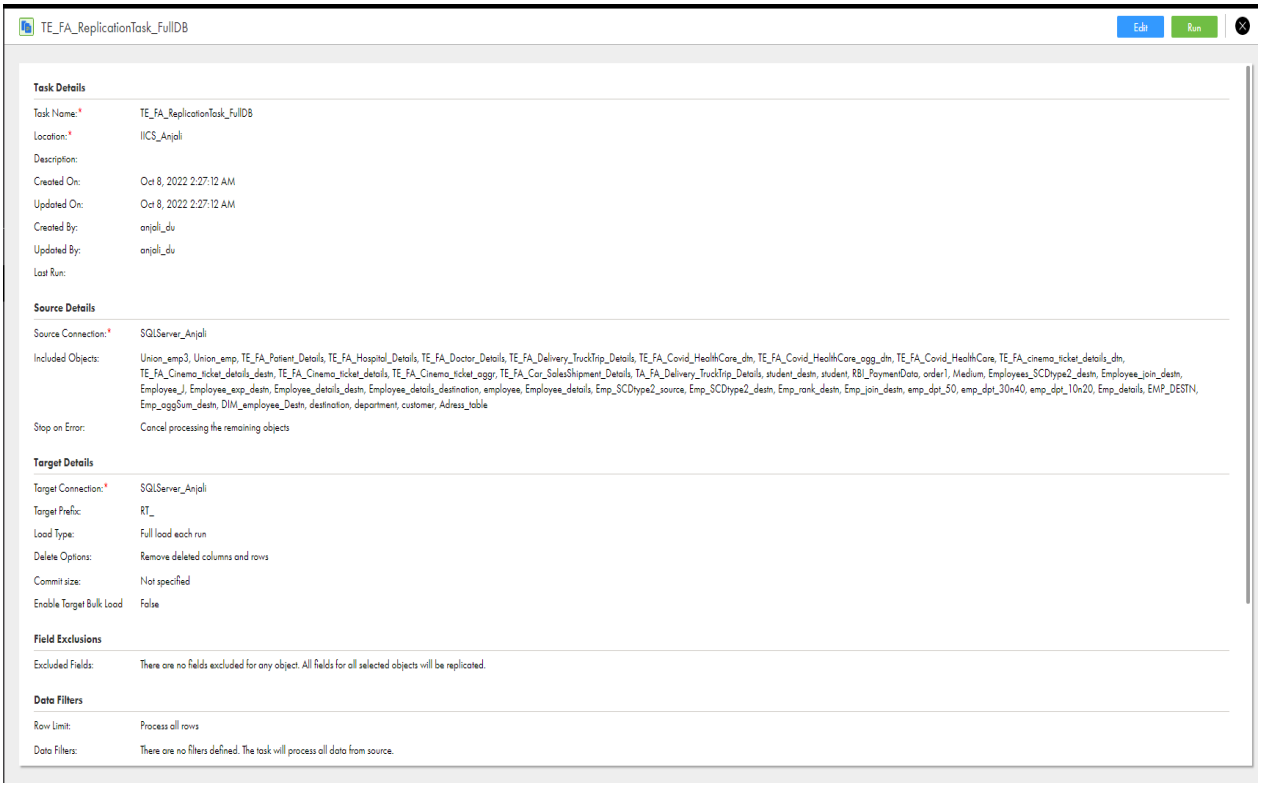
```
select * from SF_TE_FA_cinema_ticket_details;
```

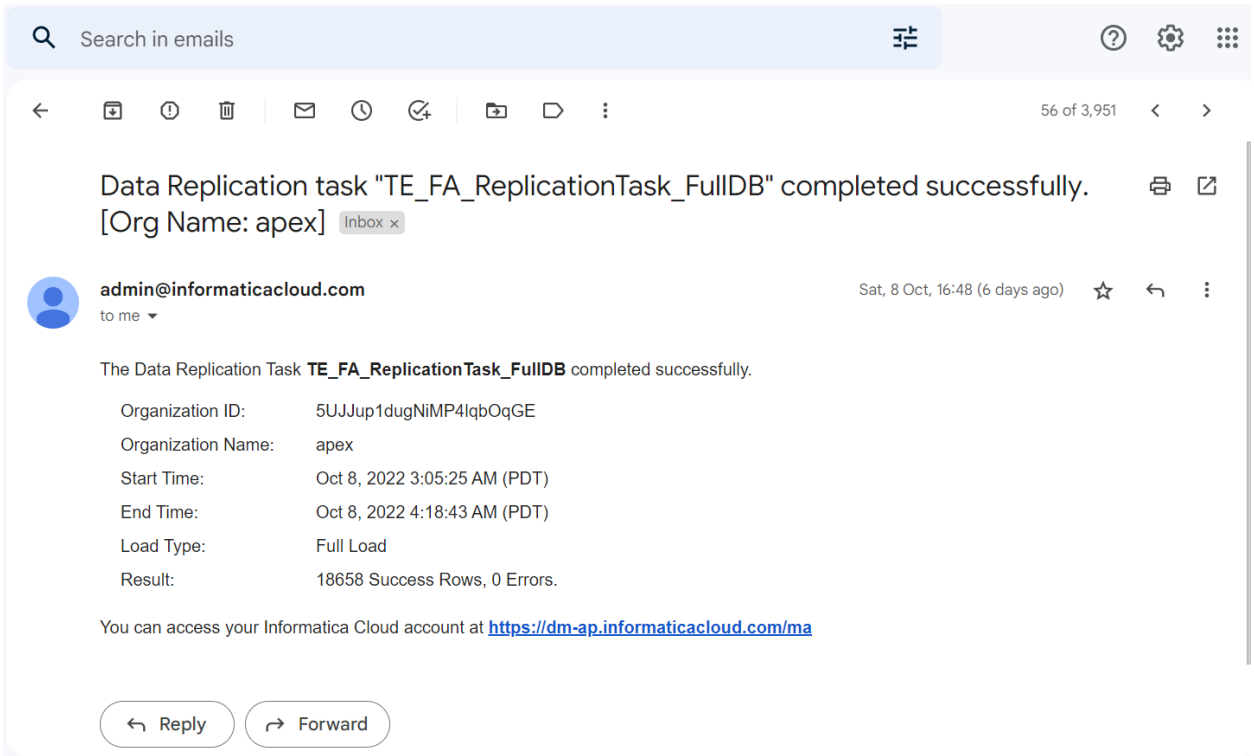
Results 1

select * from SF_TE_FA_cinema_ticket_details; Enter a SQL expression to filter results (use Ctrl+Space)

| | FILM_TYPE | FILM_CODE | CINEMA_CODE | TOTAL_SALES | TICKETS_SOLD | TICKETS_OUT | SHOW_TIME | OCCU_PERC | TICKET_PRICE | TICKET_US |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Romance | 1,492 | 304 | 3,900,000 | 26 | 0 | 1900-01-03 00:00:00.000 | 4.26 | 150,000 | |
| 2 | Romance | 1,492 | 352 | 3,360,000 | 42 | 0 | 1900-01-04 00:00:00.000 | 8.08 | 80,000 | |
| 3 | Romance | 1,492 | 489 | 2,560,000 | 32 | 0 | 1900-01-03 00:00:00.000 | 20 | 80,000 | |
| 4 | Romance | 1,492 | 429 | 1,200,000 | 12 | 0 | 1899-12-31 00:00:00.000 | 11.01 | 100,000 | |
| 5 | Romance | 1,492 | 524 | 1,200,000 | 15 | 0 | 1900-01-02 00:00:00.000 | 16.67 | 80,000 | |
| 6 | Romance | 1,492 | 71 | 1,050,000 | 7 | 0 | 1900-01-02 00:00:00.000 | 0.98 | 150,000 | |
| 7 | Romance | 1,492 | 163 | 1,020,000 | 10 | 0 | 1900-01-02 00:00:00.000 | 7.69 | 102,000 | |
| 8 | Romance | 1,492 | 450 | 750,000 | 5 | 0 | 1900-01-02 00:00:00.000 | 1.57 | 150,000 | |
| 9 | Romance | 1,492 | 51 | 750,000 | 11 | 0 | 1900-01-01 00:00:00.000 | 0.95 | 68,181.81818 | |
| 10 | Romance | 1,492 | 522 | 600,000 | 4 | 0 | 1900-01-02 00:00:00.000 | 1.55 | 150,000 | |
| 11 | Romance | 1,492 | 43 | 480,000 | 6 | 0 | 1900-01-02 00:00:00.000 | 0.44 | 80,000 | |
| 12 | Romance | 1,492 | 529 | 480,000 | 4 | 0 | 1900-01-02 00:00:00.000 | 2.96 | 120,000 | |
| 13 | Romance | 1,492 | 82 | 400,000 | 5 | 0 | 1900-01-05 00:00:00.000 | 0.53 | 80,000 | |
| 14 | Romance | 1,492 | 344 | 300,000 | 2 | 0 | 1900-01-02 00:00:00.000 | 0.25 | 150,000 | |
| 15 | Romance | 1,492 | 73 | 240,000 | 2 | 0 | 1899-12-31 00:00:00.000 | 2.04 | 120,000 | |
| 16 | Romance | 1,492 | 304 | 16,500,000 | 112 | 0 | 1900-01-03 00:00:00.000 | 18.33 | 147,321.4286 | |
| 17 | Romance | 1,492 | 352 | 13,950,000 | 93 | 0 | 1900-01-04 00:00:00.000 | 10.57 | 150,000 | |
| 18 | Romance | 1,492 | 344 | 10,200,000 | 68 | 0 | 1900-01-02 00:00:00.000 | 8.54 | 150,000 | |
| 19 | Romance | 1,492 | 71 | 6,600,000 | 44 | 0 | 1900-01-02 00:00:00.000 | 6.14 | 150,000 | |
| 20 | Romance | 1,492 | 163 | 3,360,000 | 31 | 0 | 1900-01-02 00:00:00.000 | 24.8 | 108,387.0968 | |
| 21 | Romance | 1,492 | 522 | 3,000,000 | 20 | 0 | 1900-01-02 00:00:00.000 | 7.75 | 150,000 | |

2. **Full DB:** Replicating whole database




We get mails about success, failure or warning of the replication task performed for the given mail IDs.