

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 -

The screenshot displays the Informatica Administrator interface for configuring a new SQL Server connection. The left sidebar contains navigation options: Settings, Users, User Groups, Runtime Environment, Connections, Add-On Connectors, Schedules, Add-On Bundles, and Swagger Files. The main panel is titled 'SQLServer_Anjali' and includes a 'Test Connection' button and a 'Save' button. The configuration is divided into two sections: 'Connection Details' and 'SQL Server Connection Properties'. In 'Connection Details', the 'Connection Name' is 'SQLServer_Anjali', 'Description' is empty, and 'Type' is 'SQL Server'. In 'SQL Server Connection Properties', the 'Runtime Environment' is 'Informatica Cloud Hosted Agent', 'SQL Server Version' is 'SQL Server 2019', and 'Authentication Mode' is 'SQL Server Authentication'. The 'Domain' is empty, 'User Name' is 'rewan', 'Password' is masked with dots, 'Host' is 'rewansolution.database.windows.net', 'Port' is '1433', 'Instance Name' is empty, 'Database Name' is 'anjali', 'Schema' is 'dbo', 'Code Page' is 'MS Windows Latin1', 'Encryption Method' is 'None', 'Crypto Protocol Version' is 'TLSv1', 'Validate Server Certificate' is 'False', 'Trust Store' is empty, and 'Trust Store Password' is empty.

Connection Details	
Connection Name:	SQLServer_Anjali
Description:	
Type:	SQL Server

SQL Server Connection Properties	
Runtime Environment:	Informatica Cloud Hosted Agent
SQL Server Version:	SQL Server 2019
Authentication Mode:	SQL Server Authentication
Domain:	
User Name:	rewan
Password:	••••••••
Host:	rewansolution.database.windows.net
Port:	1433
Instance Name:	
Database Name:	anjali
Schema:	dbo
Code Page:	MS Windows Latin1
Encryption Method:	None
Crypto Protocol Version:	TLSv1
Validate Server Certificate:	False
Trust Store:	
Trust Store Password:	

2) PostgreSQL Connection:

The screenshot displays the Informatica Administrator interface for configuring a new PostgreSQL connection. The left sidebar contains navigation options: Settings, Users, User Groups, Runtime Environment, Connections, Add-On Connectors, Schedules, Add-On Bundles, and Swagger Files. The main panel is titled 'Postgresql_Anjali' and includes a 'Test Connection' button and a 'Save' button. The configuration is divided into two sections: 'Connection Details' and 'PostgreSQL Properties'. In 'Connection Details', the 'Connection Name' is 'Postgresql_Anjali', 'Description' is empty, and 'Type' is 'PostgreSQL'. In 'PostgreSQL Properties', the 'Runtime Environment' is 'Informatica Cloud Hosted Agent', 'Host Name' is 'postgresql-89441-0.cloudclusters.net', 'Port' is '19958', 'Database' is 'Dlithe', 'Schema' is 'public', 'User Name' is 'Dlithe_trainee', 'Password' is masked with dots, 'Encryption Method' is 'noEncryption', 'Validate Server Certificate' is unchecked, and 'TrustStore' is empty.

Connection Details	
Connection Name:	Postgresql_Anjali
Description:	
Type:	PostgreSQL

PostgreSQL Properties	
Runtime Environment:	Informatica Cloud Hosted Agent
Host Name:	postgresql-89441-0.cloudclusters.net
Port:	19958
Database:	Dlithe
Schema:	public
User Name:	Dlithe_trainee
Password:	••••••••
Encryption Method:	noEncryption
Validate Server Certificate:	<input type="checkbox"/>
TrustStore:	

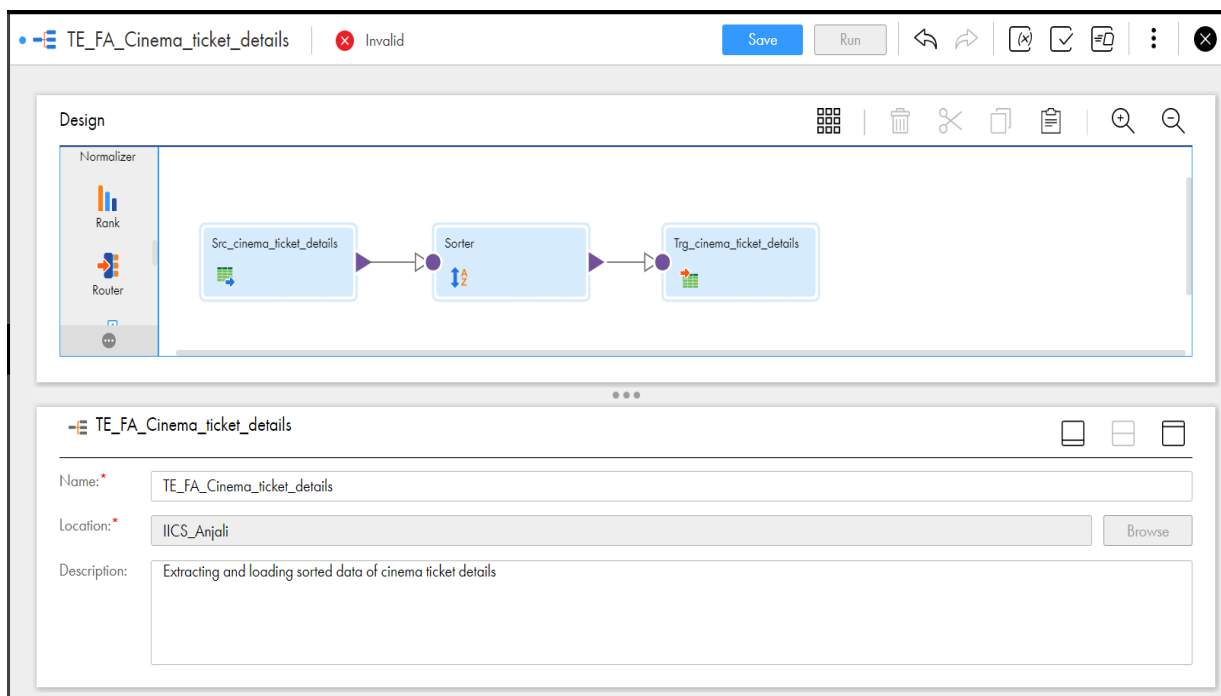
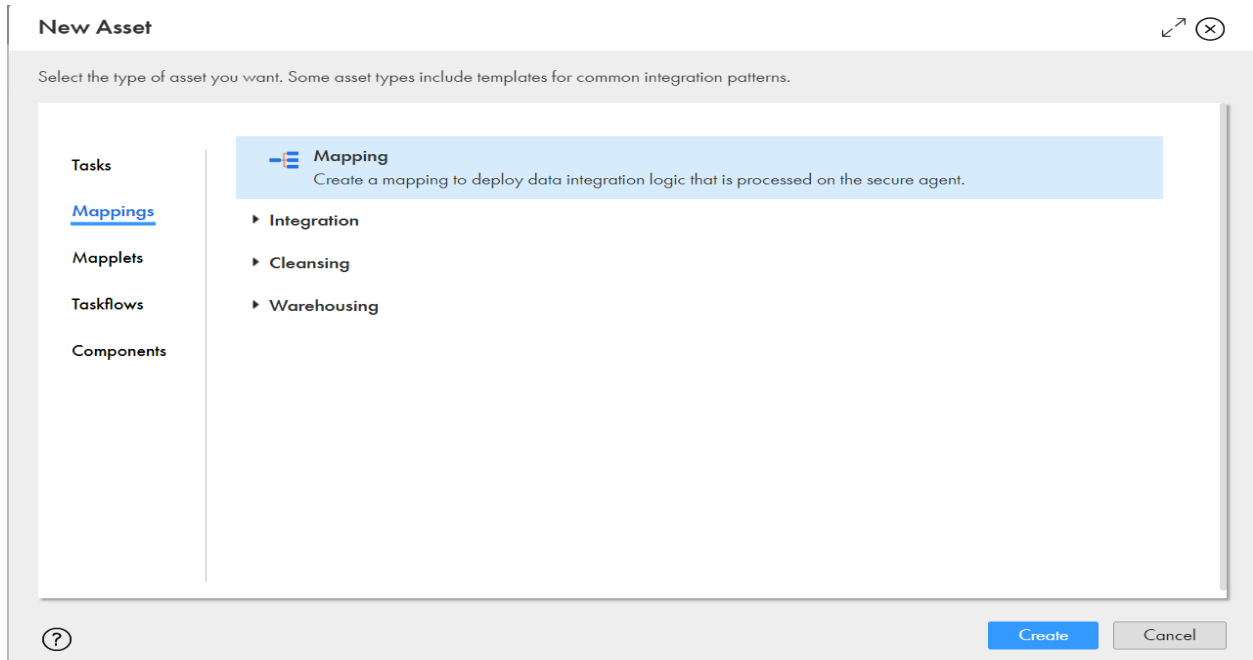
2. Extracting transforming and loading data

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:

TE_FA_Cinema_ticket_details Invalid Save Run

Properties Preview Src_cinema_ticket_details

General

Source

Fields

Partitions

Details

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

Source Type: Single Object

Object: TE_FA_Cinema_ticket_details Select... Preview Data...

Query Options

Advanced

TE_FA_Cinema_ticket_details Invalid Save Run

Properties Preview Src_cinema_ticket_details

General

Source

Fields

Partitions

Fields

	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
11					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

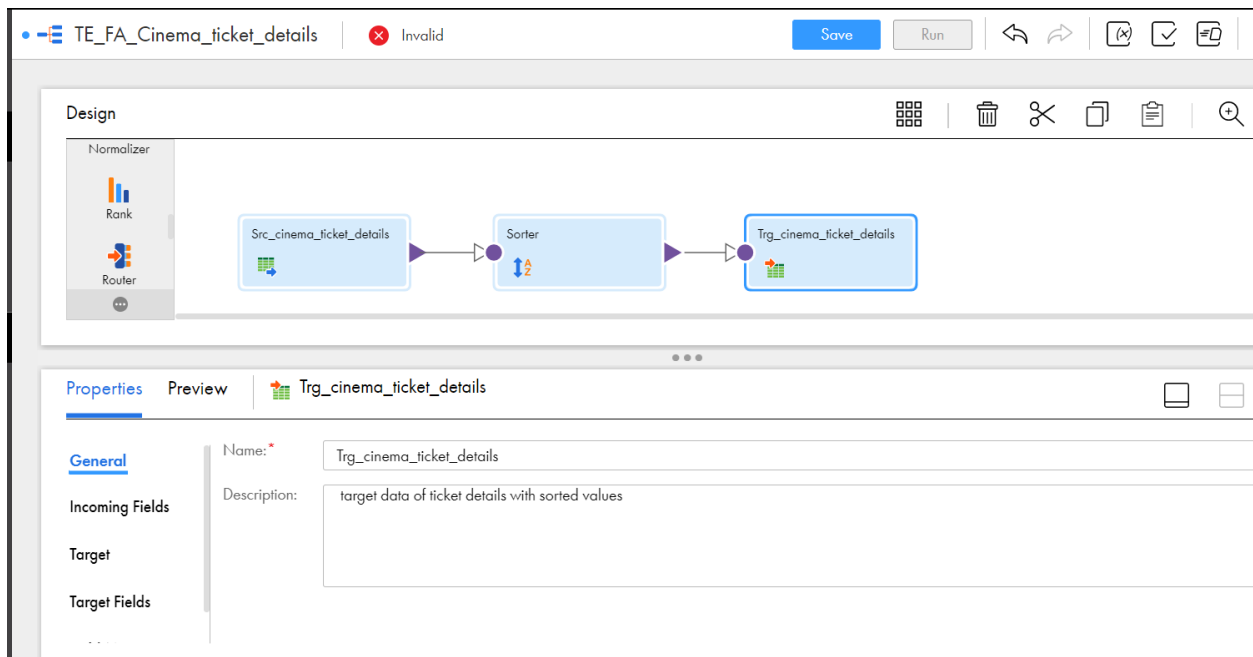
Null Treated Low

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...

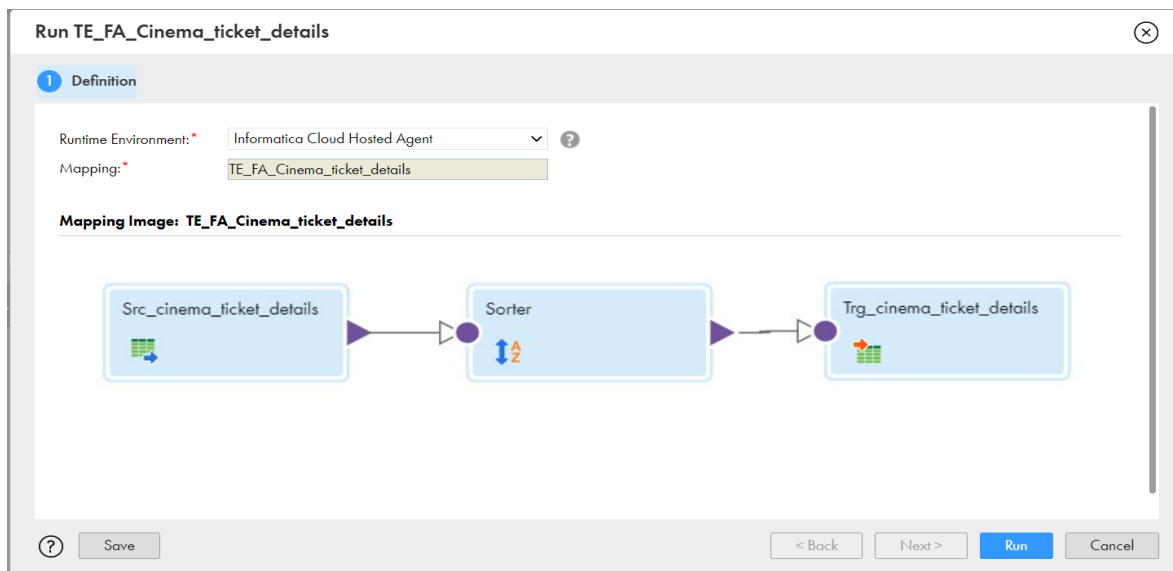
Operation: Insert

☐ Truncate target

☐ Enable target bulk load

Advanced

d) Result:



Informatica Data Integration apex

My Jobs Data Integration

Jobs (1 of 35) Updated 2:53:55 AM PDT

Asset Name: TE_FA_Cinema_ticket_d... 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

File Edit Navigate Search SQL Editor Database window Help

SQL Commit Rollback Auto anjali dbo<anjali>

Database Na... x

<dlithe> agg... <dlithe> de... <dlithe> in... <dlithe> Wh... <none> stri... <anjali> agg... <anjali> F... <anjali> F... <anjali> f... <anjali> f... x

Enter a part of object name

anjali - rewansolution

DBeaver Sample Data:

dlithe - rewansolution

Dlithe - postgresql-89...

oracle-88094.0.cloud

Results 1 x

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

Grid	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	

Project - Gen... x

Name DataSource...

Bookm...

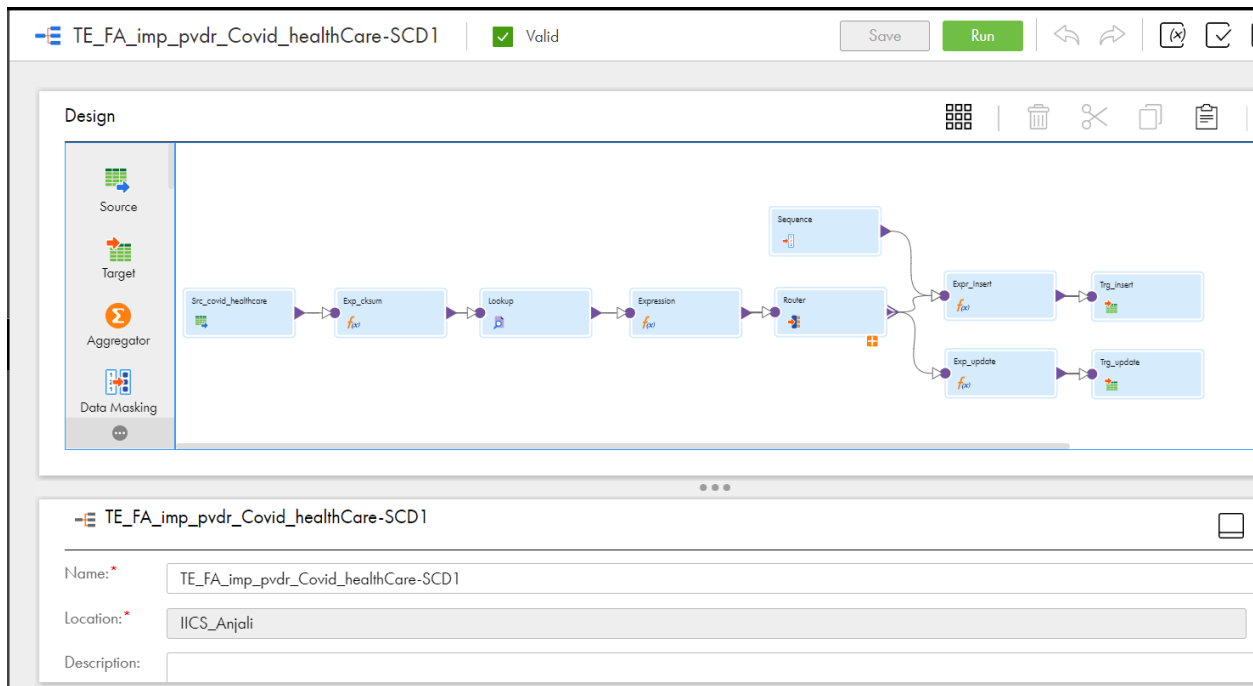
Diagram

Scripts

Record

3. Slowly Changing Dimension Type 1

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



a) Source:

The screenshot displays the Informatica Designer interface for the Source component 'Src_covid_healthcare'. The Properties pane shows the following details:

- Connection: SQLServer_Anjali (SQL Server)
- Source Type: Single Object
- Object: TE_FA_Covid_HealthCare
- Query Options
- Advanced

TE_FA_imp_pvdr_Covid_healthCare-SCD1 Valid Save Run ↶ ↷ ✕ ✓ ≡ ⋮

Properties Preview Src_covid_healthcare □ □

General

Source

Fields

Partitions

Fields

	<input type="checkbox"/> Name	Type	Precision	Scale	Origin
1	<input type="checkbox"/> DRG_ID	integer	10	0	TE_FA_Covid_HealthCare
2	<input type="checkbox"/> Provider_Id	integer	10	0	TE_FA_Covid_HealthCare
3	<input type="checkbox"/> Provider_Name	string	100	0	TE_FA_Covid_HealthCare
4	<input type="checkbox"/> Provider_State	string	100	0	TE_FA_Covid_HealthCare
5	<input type="checkbox"/> Total_Discharges	integer	10	0	TE_FA_Covid_HealthCare
6	<input type="checkbox"/> Average_Medicare_Paym...	double	15	0	TE_FA_Covid_HealthCare

⊕ ✕ ↕ Options ▾ ↺

b) Expression:

TE_FA_imp_pvdr_Covid_healthCare-SCD1 Valid Save Run ↶ ↷ ✕ ✓ ≡ ⋮

Properties Preview Exp_cksum □ □

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
O_DRUG_ID	DRG_ID	
O_PROVIDER_ID	PROVIDER_ID	
O_PROVIDER_NAME	PROVIDER_NAME	
O_PROVIDER_STATE	PROVIDER_STATE	
O_TOTAL_DISCHARGES	TOTAL_DISCHARGES	
O_MEDICARE_PAYMENT	AVERAGE_MEDICARE_PAYMENTS	
O_CHECKSUM	MD5(DRG_ID PROVIDER_ID PROVIDER_NAME PROV	

⊕ ↶ ↷

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

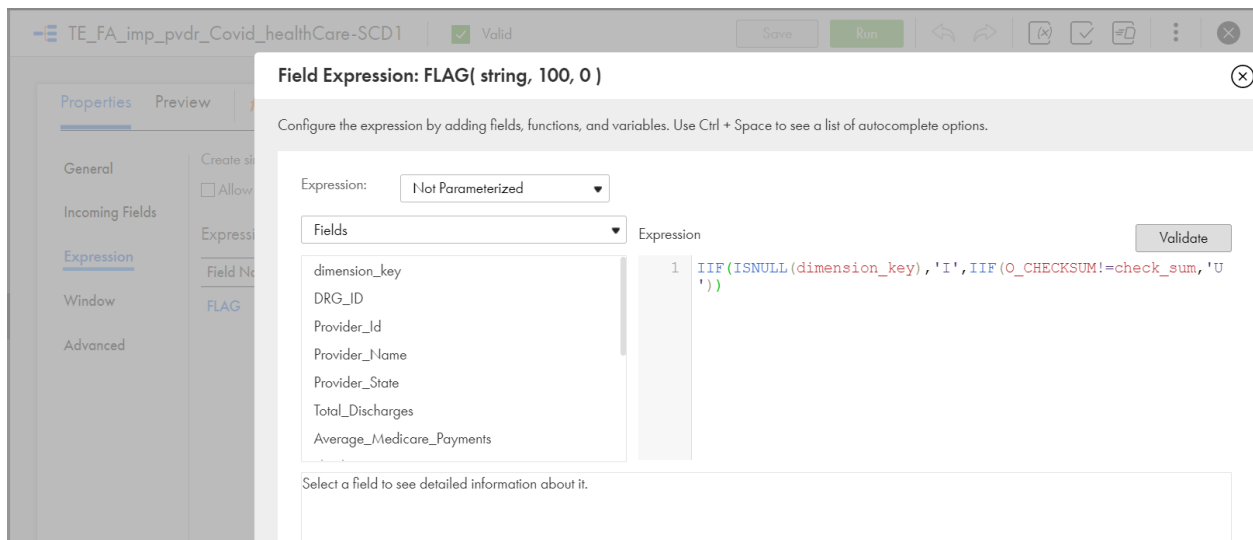
Advanced

Fields

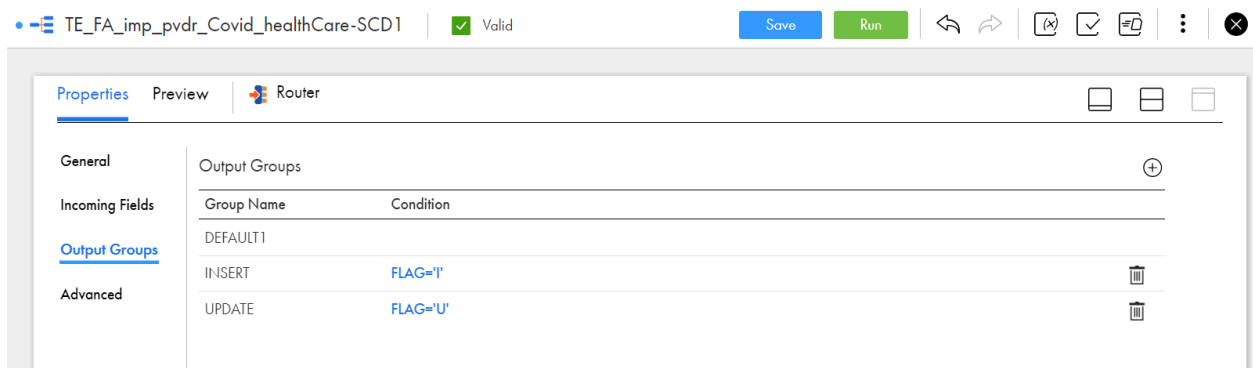
Find

Options

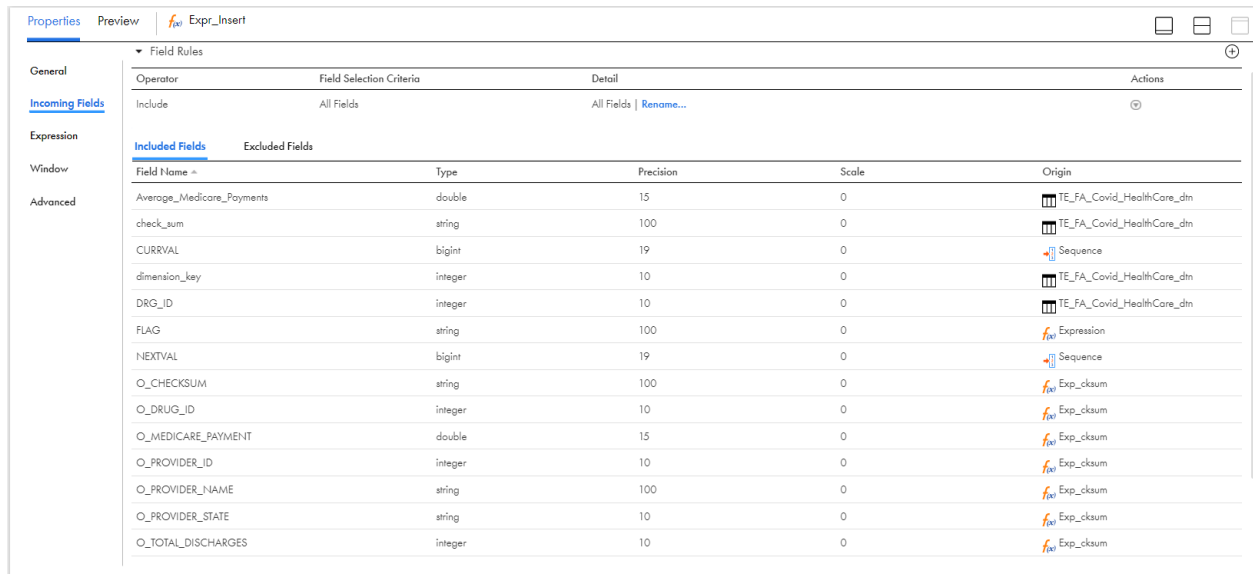
	Name	Type	Precision	Scale	Origin
1	dimension_key	integer	10	0	TE_FA_Covid_HealthCare...
2	DRG_ID	integer	10	0	TE_FA_Covid_HealthCare...
3	Provider_Id	integer	10	0	TE_FA_Covid_HealthCare...
4	Provider_Name	string	100	0	TE_FA_Covid_HealthCare...
5	Provider_State	string	100	0	TE_FA_Covid_HealthCare...
6	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:



TE_FA_imp_pvdr_Covid_healthCare-SCD1 | Valid

Save Run

Properties Preview **Expr_Insert**

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

Window

Advanced

Expressions

Field Name	Expression	Field Description
o_dimension_key	NEXTVAL	

f) Expression update:

TE_FA_imp_pvdr_Covid_healthCare-SCD1 | Valid

Save Run

Properties Preview **Exp_update**

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

Window

Advanced

Expressions

Field Name	Expression	Field Description
o_dimension_key	dimension_key	

g) Target insert:

TE_FA_imp_pvdr_Covid_healthCare-SCD1 | Valid

Save Run

Properties Preview **Trg_insert**

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_Covid_HealthCare_dtn Select... Preview Data...

Operation: Insert

☐ Truncate target

☐ Enable target bulk load

Advanced

Properties

Preview

Trg_insert

General

Field map options: Manual

Options

Incoming Fields

Incoming Fields: (8 of 19 mapped)

Find

Target

Field Name

Target Fields

Field Name

Mapped Field

Field Mapping

Field Name	Mapped Field
o_dimension_key	o_dimension_key
FLAG	
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

h) Target update:

Properties

Preview

Trg_update

General

Details

Incoming Fields

Connection: SQLServer_Anjali (SQL Server)

View...

New Connection...

New Parameter...

Target

Target Type: Single Object

Target Fields

Object: TE_FA_Covid_HealthCare_dtn

Select...

Preview Data...

Field Mapping

Operation: Update

Update Columns: dimension_key

Edit...

Advanced

Properties

Preview

Trg_update

General

Fields

Incoming Fields

The following target fields are included in the data flow. You can delete unnecessary fields, add fields, or edit field metadata. Click the Synchronize icon to restore fields from the data object.

Target

Fields

Field Mapping

	Name	Type	Precision	Scale	Origin
1	<input type="checkbox"/> dimension_key	integer	10	0	TE_FA_Covid_HealthCare_dtn
2	<input type="checkbox"/> DRG_ID	integer	10	0	TE_FA_Covid_HealthCare_dtn
3	<input type="checkbox"/> Provider_Id	integer	10	0	TE_FA_Covid_HealthCare_dtn
4	<input type="checkbox"/> Provider_Name	string	100	0	TE_FA_Covid_HealthCare_dtn
5	<input type="checkbox"/> Provider_State	string	100	0	TE_FA_Covid_HealthCare_dtn
6	<input type="checkbox"/> Total_Discharges	integer	10	0	TE_FA_Covid_HealthCare_dtn
7	<input type="checkbox"/> Average_Medicare_Payments	double	15	0	TE_FA_Covid_HealthCare_dtn
8	<input type="checkbox"/> check_sum	string	100	0	TE_FA_Covid_HealthCare_dtn

Properties

Preview

Trg_update

General

Incoming Fields: (8 of 17 mapped)

Find

Target Fields: (8 of 8 mapped)

Find

Automap

Incoming Fields

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

Field Name

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

Mapped Field

o_dimension_key

O_DRUG_ID

O_PROVIDER_ID

O_PROVIDER_NAME

O_PROVIDER_STATE

O_TOTAL_DISCHARGES

O_MEDICARE_PAYMENT

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

Src_covid_healthcare

Exp_cksum

Lookup

Expression

Router

Exp_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

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;
```

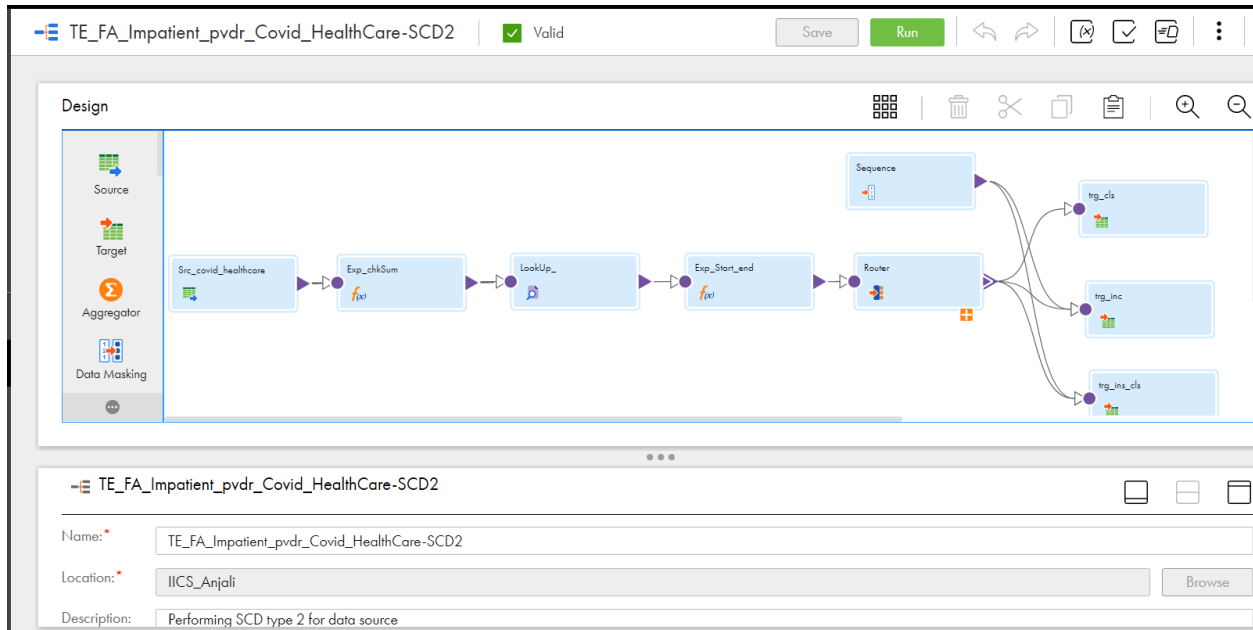
Results 1 x

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

	123 dimension_key	123 DRG_ID	123	123 Provider_ID	123 Provider_Name	123	123	123 Provider	123	123 Tot	123	123	123 Average_Med	123	123	123 check_sum
447	447	39	[N]	210,005	FREDERICK MEMORIAL HOSPITAL	[N]	[N]	MD	[N]	16	[N]	[N]	6,645.625	[N]	[N]	730D28C9C40C5D5
448	448	39	[N]	210,007	SAINT JOSEPH MEDICAL CENTER	[N]	[N]	MD	[N]	24	[N]	[N]	5,228.083333	[N]	[N]	64B34239AA00994
449	449	39	[N]	210,008	MERCY MEDICAL CENTER INC	[N]	[N]	MD	[N]	22	[N]	[N]	9,533.818182	[N]	[N]	B29ADF06C2D23A4
450	450	39	[N]	210,009	JOHNS HOPKINS HOSPITAL, THE	[N]	[N]	MD	[N]	36	[N]	[N]	11,891.22222	[N]	[N]	3817D012B086C20
451	451	39	[N]	210,011	SAINT AGNES HOSPITAL	[N]	[N]	MD	[N]	27	[N]	[N]	9,823.851852	[N]	[N]	D4AE07230989269
452	452	39	[N]	210,015	FRANKLIN SQUARE HOSPITAL CENTER	[N]	[N]	MD	[N]	81	[N]	[N]	7,340.716049	[N]	[N]	8A5F4115E2455ED
453	453	39	[N]	210,019	PENINSULA REGIONAL MEDICAL CENTER	[N]	[N]	MD	[N]	62	[N]	[N]	6,968.258065	[N]	[N]	C7A07DA6FA89196
454	454	39	[N]	210,022	SUBURBAN HOSPITAL	[N]	[N]	MD	[N]	42	[N]	[N]	10,027.88095	[N]	[N]	9B4938B372BB763
455	455	39	[N]	210,023	ANNE ARUNDEL MEDICAL CENTER	[N]	[N]	MD	[N]	79	[N]	[N]	4,726.696203	[N]	[N]	0275D6250D390FC
456	456	39	[N]	210,027	WESTERN MARYLAND REGIONAL MEDICAL C	[N]	[N]	MD	[N]	41	[N]	[N]	7,922.292683	[N]	[N]	D44CB7CF51B9718
457	457	39	[N]	210,029	JOHNS HOPKINS BAYVIEW MEDICAL CENTER	[N]	[N]	MD	[N]	11	[N]	[N]	15,855.18182	[N]	[N]	337AE540DC6A4D
458	458	39	[N]	210,032	UNION HOSPITAL OF CECIL COUNTY	[N]	[N]	MD	[N]	12	[N]	[N]	11,335.83333	[N]	[N]	63A1B2A708D5318
459	459	39	[N]	210,033	CARROLL HOSPITAL CENTER	[N]	[N]	MD	[N]	30	[N]	[N]	7,742.333333	[N]	[N]	1256D0F062D18E6
460	460	39	[N]	210,043	BALTIMORE WASHINGTON MEDICAL CENTE	[N]	[N]	MD	[N]	42	[N]	[N]	6,166.928571	[N]	[N]	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:

The Data Preview window shows the source data for the SCD2 mapping. The connection is 'SQLServer_Anjali' and the object is 'TE_FA_Covid_HealthCare'. The data is displayed in a table with the following columns: DRG_ID, DRG_Definition, Provider_Id, Provider_Name, Provider_Street_Adre, Provider_City, and Provider_State. The data is sorted by DRG_ID in ascending order.

DRG_ID	DRG_Definition	Provider_Id	Provider_Name	Provider_Street_Adre	Provider_City	Provider_State
39	EXTRACRA...IAL ...	10001	SOUTHEAST ALA...	1108 ROSS CLAR...	DOTHAN	AL
39	EXTRACRA...IAL ...	10005	MARSHALL MEDI...	2505 U S HIGH...	BOAZ	AL
39	EXTRACRA...IAL ...	10006	ELIZA COFFEE M...	205 MARENGO ...	FLORENCE	AL
39	EXTRACRA...IAL ...	10011	ST VINCENT'S EA...	50 MEDICAL PAR...	BIRMINGHAM	AL
39	EXTRACRA...IAL ...	10016	SHELBY BAPTIST ...	1000 FIRST STREE...	ALABASTER	AL
39	EXTRACRA...IAL ...	10023	BAPTIST MEDICA...	2105 EAST SOUT...	MONTGOMERY	AL
39	EXTRACRA...IAL ...	10029	EAST ALABAMA ...	2000 PEPPERELL P...	OPELIKA	AL
39	EXTRACRA...IAL ...	10033	UNIVERSITY OF ...	619 SOUTH 19TH...	BIRMINGHAM	AL
39	EXTRACRA...IAL ...	10039	HUNTSVILLE HO...	101 SIVLEY RD	HUNTSVILLE	AL
39	EXTRACRA...IAL ...	10040	GADSDEN REGI...	1007 GOODYEA...	GADSDEN	AL

☐ Display source fields in alphabetical order

b) Expression:

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2 | Valid

Save Run

Properties Preview Exp_chkSum

General 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.

Incoming Fields

Field Rules

Operator	Field Selection Criteria	Detail	Actions
Include	All Fields	All Fields Rename...	⊕

Expression

Window

Advanced

Included Fields Excluded Fields

Field Name	Type	Precision	Scale	Origin
Average_Covered_Charges	double	15	0	TE_FA_Covid_HealthCare
Average_Medicare_Payments	double	15	0	TE_FA_Covid_HealthCare
Average_Total_Payments	double	15	0	TE_FA_Covid_HealthCare
DRG_Definition	string	100	0	TE_FA_Covid_HealthCare
DRG_ID	integer	10	0	TE_FA_Covid_HealthCare
Hospital_Referral_Region	string	100	0	TE_FA_Covid_HealthCare
Provider_City	string	100	0	TE_FA_Covid_HealthCare
Provider_Id	integer	10	0	TE_FA_Covid_HealthCare
Provider_Name	string	100	0	TE_FA_Covid_HealthCare
Provider_State	string	100	0	TE_FA_Covid_HealthCare
Provider_Street_Address	string	100	0	TE_FA_Covid_HealthCare
Provider_Zip_Code	integer	10	0	TE_FA_Covid_HealthCare
Total_Discharges	integer	10	0	TE_FA_Covid_HealthCare

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2 | Valid

Save Run

Properties Preview Exp_chkSum

General Create simple expressions. You can also use expression macros to create complex expressions.
☐ Allow additional fields and expressions during task creation

Incoming Fields

Expressions

Field Name	Expression	Field Description
o_drug_ID	DRG_ID	
o_Drg_Definition	DRG_Definition	
o_provider_ID	Provider_Id	
o_provider_name	Provider_Name	
o_Provider_street_address	Provider_Street_Address	
o_Provider_city	Provider_City	
o_Provider_state	Provider_State	
o_Provider_ZipCode	Provider_Zip_Code	
o_HRR	Hospital_Referral_Region	
o_Total_discharges	Total_Discharges	
o_Average_Covered_Charge	Average_Covered_Charges	
o_Average_Total_Payments	Average_Total_Payments	
o_Average_Medicare_Paym	Average_Medicare_Payments	
o_checkSum	MDS(DRG_ID DRG_Definition Provider_Id Provider_N	

c) Lookup:

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

Valid

SaveRun

PropertiesPreviewLookup_

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_Dmg_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

Save

PropertiesPreviewLookup_

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

total_Discharges	Average_Covered_C	Average_Total_Payr	Average_Medicare_	start_date	end_date	check_sum
------------------	-------------------	--------------------	-------------------	------------	----------	-----------

?

Done

PropertiesPreviewLookup_

General

Lookup Condition: Simple

Incoming Fields

Lookup Conditions

Lookup Field	Operator	Incoming Field
Provider_Id	=	o_provider_ID

Lookup Object

Lookup Condition

Return Fields

Advanced

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2ValidSaveRun

PropertiesPreviewLookup_

General

Fields

	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

Incoming Fields

Lookup Object

Lookup Condition

Return Fields

Advanced

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2ValidSaveRun

PropertiesPreviewLookup_

General

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: AutoValue

Lookup Index Cache Size: AutoValue

☐ Dynamic Lookup Cache

☐ Output Old Value On Update

Incoming Fields

Lookup Object

Lookup Condition

Return Fields

Advanced

d) Expression:

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

Valid

SaveRun

PropertiesPreviewExp_Start_end

General

Incoming Fields

Expression

Window

Advanced

Field Rules

Operator	Field Selection Criteria	Detail	Actions
Include	All Fields	All Fields Rename...	

Included Fields

Excluded Fields

Field Name	Type	Precision	Scale	Origin
check_sum	string	100	0	TE_FA_Covid_HealthCare_UK
dimension_key	integer	10	0	TE_FA_Covid_HealthCare_UK
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_Org_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
Provider_Id	integer	10	0	TE_FA_Covid_HealthCare_UK

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

Valid

SaveRun

PropertiesPreviewExp_Start_end

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
o_insert	IF(ISNULL(dimension_key),'1',IF(NOT ISNULL(dimension_key) AND check_sum=o_checkSum,'IC'))	
O_START_DATE	SYSDATE	
O_END_DATE	TO_DATE('9999-12-31','YYYY-MM-DD')	
O_ENDDATE_SYS	SYSDATE	

e) Router:

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

Valid

SaveRun

PropertiesPreviewRouter

General

Incoming Fields

Output Groups

Advanced

Field Name

Type

Precision

Scale

Origin

check_sum	string	100	0	TE_FA_Covid_HealthCare_UK
dimension_key	integer	10	0	TE_FA_Covid_HealthCare_UK
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_Org_Definition	string	100	0	Exp_chkSum
o_drug_ID	integer	10	0	Exp_chkSum
O_END_DATE	date/time	29	9	Exp_Start_end
O_ENDDATE_SYS	date/time	29	9	Exp_Start_end
o_HRR	string	100	0	Exp_chkSum
o_insert	string	10	0	Exp_Start_end
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_START_DATE	date/time	29	9	Exp_Start_end
o_Total_discharges	integer	10	0	Exp_chkSum
Provider_Id	integer	10	0	TE_FA_Covid_HealthCare_UK

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2 | Valid

Properties Preview Router

General

Output Groups

Incoming Fields

Output Groups

Advanced

Group Name	Condition	
DEFAULT1		
INSERT	o_insert='I'	
INSERT_CLS	o_insert='IC'	
CLS	o_insert='IC'	

f) Sequence:

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2 | Valid

Properties Preview Sequence

General

Output Fields

Incoming Fields

Sequence

Advanced

Generated Fields

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

g) Target cls:

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2 | Valid

Properties Preview trg_cls

General

Details

Incoming Fields

Target

Target Fields

Field Mapping

Operation: Update

Update Columns: end_date

Advanced

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

Valid

Save

Run

Properties

Preview

lrg_cls

General

Field map options: Manual

Incoming Fields

Incoming Fields: (2 of 21 mapped)

Find

Target

Field Name ^

O_ENDDATE_SYS

Target Fields

Field Name ^

dimension_key

Provider_Id

check_sum

o_drug_ID

o_Drg_Definition

o_provider_ID

o_provider_name

o_Provider_street_address

o_Provider_city

o_Provider_state

o_Provider_ZipCode

o_HRR

o_Total_discharges

o Average Covered Charges

Field Mapping

Target Fields: (2 of 17 mapped)

Find

Field Name ^

Mapped Field

DRG_Definition

Provider_Id

Provider_Name

Provider_Street_Address

Provider_City

Provider_State

Provider_Zip_Code

Hospital_Referral_Region

Total_Discharges

Average_Covered_Charges

Average_Total_Payments

Average_Medicare_Payments

start_date

end_date

O_ENDDATE_SYS

check sum

h) Target insert:

TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

Valid

Save

Run

Properties

Preview

lrg_inc

General

Field map options: Manual

Incoming Fields

Incoming Fields: (17 of 23 mapped)

Find

Target

Field Name ^

a_insert

O_START_DATE

O_END_DATE

O_ENDDATE_SYS

dimension_key

Provider_Id

check_sum

o_drug_ID

o_Drg_Definition

o_provider_ID

o_provider_name

o_Provider_street_address

o_Provider_city

o_Provider_state

o_Provider_ZipCode

Field Mapping

Target Fields: (17 of 17 mapped)

Find

Auto

Field Name ^

Mapped Field

dimension_key

NEXTVAL

DRG_ID

o_drug_ID

DRG_Definition

o_Drg_Definition

Provider_Id

o_provider_ID

Provider_Name

o_provider_name

Provider_Street_Address

o_Provider_street_address

Provider_City

o_Provider_city

Provider_State

o_Provider_state

Provider_Zip_Code

o_Provider_ZipCode

Hospital_Referral_Region

o_HRR

Total_Discharges

o_Total_discharges

Average_Covered_Charges

o_Average_Covered_Charges

Average_Total_Payments

o_Average_Total_Payments

Average_Medicare_Payments

o_Average_Medicare_Payments

start_date

O_START_DATE

TE_FA_Inpatient_pvd_Covid_HealthCare-SCD2

Valid

Save

Run

↶

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📄

🔍

Properties

Preview

📁 trg_ins_cls

General

Incoming Fields

Target

Target Fields

Field Mapping

Field map options: Manual

Incoming Fields: (17 of 23 mapped)

Find

Field Name
o_insert
O_START_DATE
O_END_DATE
O_ENDDATE_SYS
dimension_key
Provider_Id
check_sum
a_drug_ID
a_Drg_Definition
a_provider_ID
a_provider_name
a_Provider_street_address
a_Provider_city
a_Provider_state
a_Provider_ZipCode

Target Fields: (17 of 17 mapped)

Find

Automap

Field Name	Mapped Field
dimension_key	NEXTVAL
DRG_ID	o_drug_ID
DRG_Definition	o_Drg_Definition
Provider_Id	o_provider_ID
Provider_Name	o_provider_name
Provider_Street_Address	o_Provider_street_address
Provider_City	o_Provider_city
Provider_State	o_Provider_state
Provider_Zip_Code	o_Provider_ZipCode
Hospital_Referral_Region	o_HRR
Total_Discharges	o_Total_discharges
Average_Covered_Charges	o_Average_Covered_Charges
Average_Total_Payments	o_Average_Total_Payments
Average_Medicare_Payments	o_Average_Medicare_Payments
start_date	O_START_DATE

Run TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

Definition

Runtime Environment: *
Mapping: *

Informatica Cloud Hosted Agent
TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

Mapping Image: TE_FA_Impatient_pvdr_Covid_HealthCare-SCD2

```
graph LR; Src[Src_covid_healthcare] --> Exp_chiSum[Exp_chiSum]; Exp_chiSum --> LookUp[LookUp...]; LookUp --> Exp_Start_end[Exp_Start_end]; Exp_Start_end --> Router[Router]; Router -- DEFAULT1 --> tgt_cls[tgt_cls]; Router -- IN_INSERT --> tgt_inc[tgt_inc]; Router -- IN_INSERT_CLS --> tgt_ins_cls[tgt_ins_cls]; Router -- CLS --> tgt_cls;
```

?

Save

< Back

Next >

Run

Cancel

Before updating -

Jobs (1 of 37) Updated 8:17:56 AM PDT

Asset Name: TE_FA_Imptient_pvdr... Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
TE_FA_Imptient_pvdr...	IICS_Anjali		Oct 7, 2022, 8:04 AM	Oct 7, 2022, 8:...	2999	Success

```
select * from TE_FA_Covid_HealthCare_dtn;
```

Results 1 x

select * from TE_FA_Covid_HealthCare_dtn;

Grid	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;
```

Results 1 x

select * from TE_FA_Covid_HealthCare_dtn;

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

Properties | Preview | Src_covid_healthcare

General

Source

Fields

Partitions

Details

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

Source Type: Single Object

Object: TE_FA_Covid_HealthCare Select... Preview Data...

b) Aggregator:

Mapping39 | Invalid

Save | Run

Properties | Preview | Aggr_sum_max_min_count

General

Incoming Fields

Group By

Aggregate

Advanced

Select fields to group by so that the resulting records can be set of rows with the same values for some fields.

Group by: Not Parameterized

Group by Fields + ^ v

Field Name
Provider_State

Mapping39 | Invalid

Save | Run | ↶ ↷

Properties | Preview | Aggr_sum_max_min_count

General

Incoming Fields

Group By

Aggregate

Advanced

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

☐ Allow additional fields and expressions during task creation

Aggregate

Field Name	Expression	Field Description
Total_Discharges_state	sum(Total_Discharges)	
Total_Medicare_Payments	sum(Average_Medicare_Payments)	
max_medicare_payment	max(Average_Medicare_Payments)	
min_medicare_payment	min(Average_Medicare_Payments)	
avg_medicare_payment	avg(Average_Medicare_Payments)	

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;
```

The screenshot displays the SSDT interface for configuring a target table. The top toolbar includes buttons for Save, Run, and other task-related actions. The main window is titled "TE_FA_impatient_pvdr_covid_healthCare" and shows a "Properties" tab for the "trg_covid_healthCare_sum_max_min_medicarePayment" task.

The "Properties" tab is divided into several sections:

- General:** Contains the "Details" section with the following settings:
 - Connection: SQLServer_Anjali (SQL Server)
 - Target Type: Single Object
 - Object: TE_FA_Covid_HealthCare_agg_dtn
 - Operation: Insert
 - ☐ Truncate target
 - ☐ Enable target bulk load
- Target Fields:** A section for mapping fields from the source to the target table.

The "Target Fields" section shows a list of fields with their respective types, precision, scale, and origin. The fields are:

Name	Type	Precision	Scale	Origin
DRG_ID	integer	10	0	TE_FA_Covid_HealthCare...
Provider_Id	integer	10	0	TE_FA_Covid_HealthCare...
Provider_State	string	100	0	TE_FA_Covid_HealthCare...
Total_Discharges_state	double	15	0	TE_FA_Covid_HealthCare...
Total_Medicare_Payments	double	15	0	TE_FA_Covid_HealthCare...
max_madicare_payment	double	15	0	TE_FA_Covid_HealthCare...
min_medicare_payment	double	15	0	TE_FA_Covid_HealthCare...
avg_medicare_payment	double	15	0	TE_FA_Covid_HealthCare...

TE_FA_impatient_pvdr_covid_healthCare Invalid Save Run

Properties Preview trg_covid_healthCare_sum_max_min_medicarePayment

General Field map options: Manual Options

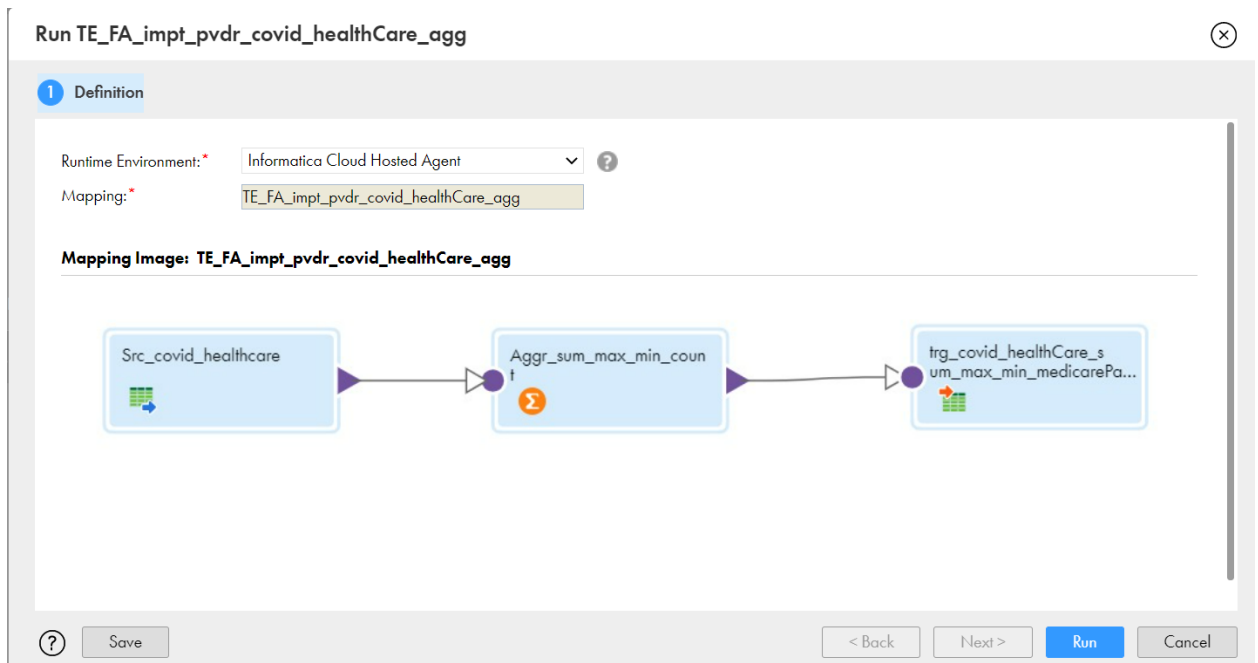
Incoming Fields Incoming Fields: (8 of 18 mapped) Find

Target Target Fields

Field Mapping

Field Name	Field Name	Mapped Field
Total_Discharges_state	DRG_ID	DRG_ID
Total_Medicare_Payments	Provider_Id	Provider_Id
max_medicare_payment	Provider_State	Provider_State
min_medicare_payment	Total_Discharges_state	Total_Discharges_state
avg_medicare_payment	Total_Medicare_Payments	Total_Medicare_Payments
DRG_ID	max_medicare_payment	max_medicare_payment
DRG_Definition	min_medicare_payment	min_medicare_payment
Provider_Id	avg_medicare_payment	avg_medicare_payment
Provider_Name		

Result:



```
select * from TE_FA_Covid_HealthCare_agg_dtn;
```

RG_ID	Provider_ID	Provider_State	Total_Discharges_state	Total_Medicare_Payments	max_medicare_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 Source2 Target3 Field Exclusions4 Data Filters5 Schedule

Task Details

Task Name:

TE_FA_ReplicationTask_cinameTickets

?

Location:

IIICS_Anjali

Browse

Description:

?

Source Details

Source Connection:

SQLServer_Anjali

View...

New...

Objects to Replicate:

All Objects?

Include Objects

Select...

TE_FA_Cinema_ticket_details

?

Save

< Back

Next >

Finish

Cancel

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

New TE_FA_ReplicationTask_cinameTickets



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:



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	<div>Success</div>

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

TE_FA_ReplicationTask_FullDB

SaveRun

Task Details

Task Name:

TE_FA_ReplicationTask_FullDB

Location:

IICS_Anjali

Description:

Created On:

Oct 8, 2022 2:27:12 AM

Updated On:

Oct 8, 2022 2:27:12 AM

Created By:

anjali_dv

Updated By:

anjali_dv

Last Run:

Source Details

Source Connection:

SQLServer_Anjali

Included Objects:

Union_emp3, Union_emp, TE_FA_Patient_Details, TE_FA_Hospital_Details, TE_FA_Doctor_Details, TE_FA_Delivery_TruckTrip_Details, TE_FA_Covid_HealthCore_dhm, TE_FA_Covid_HealthCore_egg_dhm, TE_FA_Covid_HealthCore, TE_FA_cinema_ticket_details_dhm, TE_FA_Cinema_ticket_details_destn, TE_FA_Cinema_ticket_details, TE_FA_Cinema_ticket_egg, TE_FA_Car_SalesShipment_Details, TE_FA_Delivery_TruckTrip_Details, student_destn, student, RBI_PaymentData, order1, Medium, Employees_SCDtype2_destn, Employee_join_destn, Employee_J, Employee_emp_destn, Employee_details_destn, Employee_details_destination, employee, Employee_details, Emp_SCDtype2_source, Emp_SCDtype2_destn, Emp_rank_destn, Emp_join_destn, emp_dpt_50, emp_dpt_30n40, emp_dpt_10n20, Emp_details, EMP_DESTN, Emp_eggSum_destn, DIM_employee_Destn, destination, department, customer, Address_table

Stop on Error:

Cancel processing the remaining objects

Target Details

Target Connection:

SQLServer_Anjali

Target Prefix:

RT_

Load Type:

Full load each run

Delete Options:

Remove deleted columns and rows

Commit size:

Not specified

Enable Target Bulk Load:

False

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.

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

Search in emails

56 of 3,951

Data Replication task "TE_FA_ReplicationTask_FullDB" completed successfully.
[Org Name: apex]

admin@informaticacloud.com

Sat, 8 Oct, 16:48 (6 days ago)

The Data Replication Task **TE_FA_ReplicationTask_FullDB** completed successfully.

Organization ID:

5UJJup1dugNIMP4IqbOqGE

Organization Name:

apex

Start Time:

Oct 8, 2022 3:05:25 AM (PDT)

End Time:

Oct 8, 2022 4:18:43 AM (PDT)

Load Type:

Full Load

Result:

18658 Success Rows, 0 Errors.

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

Reply

Forward

