

Making Connection of source table

The screenshot shows the Informatica Data Integration Designer interface. The top navigation bar includes tabs for 'Informatica Int...', 'Data Integrati...', 'IICS JSON DAT...', 'Untitled Diagr...', 'Final Assessme...', 'Normalization', and 'Download file'. The main workspace displays a 'Design' canvas with a flow: Source → Expression → Lookup → Expression1. The 'Properties' panel on the right is set to the 'Source' tab. Under the 'Details' section, the 'Connection' is 'Nasreen (SQL Server)', 'Source Type' is 'Single Object', and 'Object' is 'IICS_SCD2_healthcare_src'. The 'Query Options' section is expanded.

73°F Partly cloudy 9:53 PM 10/10/2022

Creating output column expression in expression

The screenshot shows the Informatica Data Integration Designer interface with the 'Properties' panel set to the 'Expression' tab. The 'General' section has a checkbox for 'Allow additional fields and expressions during task creation'. The 'Incoming Fields' section is expanded, showing a table of field names and their corresponding expressions.

Field Name	Expression	Field Description
O_PID	PID	
O_Gender	GENDER	
O_category_name	CATEGORY_NAME	
O_preauth_amt	PREAUTH_AMT	
O_Claim_amt	CLAIM_AMOUNT	
O_hosp_name	HOSP_NAME	
O_checksum	MD5(PID GENDER CATEGORY_NAME PREAUTH_AA	

73°F Partly cloudy 9:54 PM 10/10/2022

Connecting Target table in lookup transformation

The screenshot shows the Informatica Data Integration web interface. The browser address bar displays the URL: `apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/main/mapping/9j7fbxS5fwZhoJh0ZZGUv/edit`. The interface includes a left sidebar with navigation options like Home, Explore, Bundles, My Jobs, and My Import/Export Logs. The main workspace shows a mapping named "Nasreen-FA-IICS-Healthcare-SCD2" with a status of "Valid". The "Lookup" transformation is selected, and its properties are displayed in the right pane. The "Lookup Condition" is set to "Simple". The "Incoming Fields" section shows a table with the following data:

Lookup Field	Operator	Incoming Field
T_PID	=	O_PID

The "Lookup Condition" tab is active, and the "Return Fields" and "Advanced" sections are visible but empty.

This screenshot shows the same Informatica Data Integration interface, but with the "Lookup Object Details" section expanded. The "Lookup Object" is configured with the following details:

- Connection: Nasreen (SQL Server)
- Source Type: Single Object
- Lookup Object: FA_IICS_SCD2_healthcare_trg
- Multiple Matches: Return any row

Buttons for "View...", "New Connection...", "New Parameter...", "Select...", and "Preview Data..." are available. The "Advanced" section is also visible but empty.

Creating Flag field output in Expression tool

The screenshot displays the Informatica Data Integration Designer interface. The top pane shows the 'Design' view with a workflow consisting of a 'Source' tool, an 'Expression' tool, a 'Lookup' tool, and an 'Expression_flag' tool. The bottom pane shows the 'Properties' view for the 'Expression_flag' tool. The 'General' tab is selected, and the 'Expressions' section is expanded. The 'Field Name' is 'Flag' and the 'Expression' is 'IIF(ISNULL(T_key), 'I', IIF(O_checksum=I_checksum, 'IU'))'. The 'Field Description' is empty.

Properties: Expression_flag

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
Flag	IIF(ISNULL(T_key), 'I', IIF(O_checksum=I_checksum, 'IU'))	

Window

Advanced

Router

Output Groups

Group Name	Condition
DEFAULT1	
insert	Flag='I'
insert_update	Flag='IU'

Creating two flag condition in Router expression for insert and insert update operation

In Sequence disable incoming fields

The screenshot shows the Informatica Data Integration Designer interface. The Design canvas displays a mapping flow: Source → Expression Flag (f(x)) → Sequence → Insert (f(x)). The Properties panel for the Sequence component is open, showing the 'Advanced' tab with the 'Disable incoming fields' checkbox checked. The breadcrumb path at the top indicates the project is 'Nasreen-FA-IICS-Healthcare-SCD2'.

This screenshot shows a more complex mapping design. The Design canvas includes a 'Router' component that branches into three paths, each leading to a different target transformation: 'insert', 'update', and 'insertUpdate'. Each target transformation is followed by a corresponding target table (Target_insert, Target_update, Target_ins_update). The Properties panel for the Sequence component is still open, showing the 'Advanced' tab with 'Disable incoming fields' checked. The breadcrumb path remains 'Nasreen-FA-IICS-Healthcare-SCD2'.

Creating three Expression transformation and target transformation make connection from sequence to insert and insert-update expression and from router connect to three expression also.

In insert Expression transformation Assign the values by creating new column names.

The screenshot shows the Informatica Data Integration Designer interface. The design canvas displays a workflow with three components: 'Source', 'insert', and 'Target_insert'. The 'insert' transformation is selected, and its properties are visible in the 'Properties' pane. The 'Expression' tab is active, showing a table of field mappings.

Field Name	Expression	Field Description
O_T_key	NEXTVAL	
O_SD	SYSDATE	
O_DD	TO_DATE('2022_12_23','YYYY-MM-DD')	

Make connection to target table as well by selecting target table

The screenshot shows the Informatica Data Integration Designer interface with the 'Target_insert' transformation selected. The 'Properties' pane displays the 'Details' tab, which contains configuration for the target connection and operation.

Details

Connection: Nasreen (SQL Server) [View... New Connection... New Parameter...]

Target Type: Single Object

Object: FA_IICS_SCD2_healthcare_trg [Select... Preview Data...]

Operation: Insert

☐ Truncate target

The screenshot displays the Informatica Data Integration web interface. The top navigation bar includes tabs for 'Informatica Int...', 'Data Integrati...', 'IICS JSON DAT...', 'Untitled Diag...', 'Final Assessme...', 'Normalization', and 'Download file'. The main header shows the project name 'Nasreen-FA-IICS-Healthcare-SCD2' and a 'Valid' status. The left sidebar contains navigation options like 'New...', 'Home', 'Explore', 'Bundles', 'My Jobs', and 'My Import/Export Logs'. The main workspace is divided into two sections: 'Field Mapping' and 'Design'.

Field Mapping Section:

- General:** Field map options: Manual
- Incoming Fields:** (10 of 29 mapped)

Field Name
O_T_key
O_SD
O_DD
Flag
T_key
T_PID
T_GENDER
T_CATEGORY_NAME
T_PREAUTH_AMT
- Target Fields:** (10 of 10 mapped)

Field Name	Mapped Field
T_key	O_T_key
T_PID	O_PID
T_GENDER	O_Gender
T_CATEGORY_NAME	O_category_name
T_PREAUTH_AMT	O_preauth_amt
T_CLAIM_AMOUNT	O_Claim_amt
T_HOSP_NAME	O_hosp_name
T_SURGERY_DATE	O_SD
T_DISCHARGE_DATE	O_DD

Design Section:

- Design:** A flow diagram showing a 'Source' connector leading to a 'Router' task, which then connects to an 'update' task (with a function icon). The 'update' task connects to a 'Target_update' task.
- Properties:**
 - General:** 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_T_key	T_key	
O_DD	SYSDATE	

Assign the new column names in update Expression too and similar connect to the update target and make target table connection too.

Informatica Data Integration

Nasreen-FA-IICS-Healthcare-SCD2 Valid

Design

Source Router update Target_update

Properties Preview Target_update

General

Incoming Fields

Target Fields

Field Mapping

Details

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

Target Type: Single Object

Object: FA_IICS_SCD2_healthcare_trg Select... Preview Data...

Operation: Update

Update Columns: T_key Edit...

73°F Partly cloudy 9:56 PM 10/10/2022

Informatica Data Integration

Nasreen-FA-IICS-Healthcare-SCD2 Valid

Properties Preview Target_update

General

Field map options: Manual Options

Incoming Fields (2 of 26 mapped) Find

Target Fields

Field Mapping

Field Name Mapped Field

O_T_key	O_T_key
O_DD	
Flag	
T_key	
T_PID	
T_GENDER	
T_CATEGORY_NAME	
T_PREAUTH_AMT	
T_CLAIM_AMOUNT	
	O_DD

73°F Partly cloudy 9:56 PM 10/10/2022

Informatica Data Integration

Nasreen-FA-IICS-Healthcare-SCD2 Valid

Save Run

Design

Source

Insert_update

Target_ins_update

Properties Preview Target_ins_update

General

Incoming Fields

Target

Target Fields

Field Mapping

Details

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

Target Type: Single Object

Object: FA_IICS_SCD2_healthcare_trg Select... Preview Data...

Operation: Insert

73°F Partly cloudy

9:56 PM 10/10/2022

Informatica Data Integration

Nasreen-FA-IICS-Healthcare-SCD2 Valid

Save Run

Properties Preview Target_ins_update

General

Incoming Fields

Target

Target Fields

Field Mapping

Field map options: Manual Options

Incoming Fields: (10 of 29 mapped) Find

Target Fields: (10 of 10 mapped) Find Automap

Field Name	Mapped Field
O_ins_key	T_key
O_Su_date	T_PID
O_Dt_Date	T_GENDER
Flag	T_CATEGORY_NAME
T_key	T_PREAUTH_AMT
T_PID	T_CLAIM_AMOUNT
T_GENDER	T_HOSP_NAME
T_CATEGORY_NAME	T_SURGERY_DATE
T_PREAUTH_AMT	T_DISCHARGE_DATE

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9:57 PM 10/10/2022

Informatica Data Integration

Nasreen-FA-IICS-Healthcare Mapping was saved successfully.

Design

Properties Preview Target_ins_update

73°F Partly cloudy 9:58 PM 10/10/2022

Informatica Data Integration

Nasreen-FA-IICS-Healthcare-SCD2 Valid

Design

Properties Preview Target_ins_update

73°F Partly cloudy 9:58 PM 10/10/2022

Informatica Data Integration

Nasreen-FA-IICS-Healthcare-SCD2-12

Restart Refresh

Job Properties

Task Name: Nasreen-FA-IICS-Healthcare-SCD2
Instance ID: 12
Task Type: Mapping
Started By: nasreen_i through UI
Start Time: Oct 10, 2022 3:44:59 AM
End Time: Oct 10, 2022 3:47:48 AM
Duration: 2 minutes, 49 seconds
Runtime Environment: Informatica Cloud Hosted Agent

Results

Status: Success
Success Rows: 1001
Errors: 0
Session Log: Download Session Log

Individual Source/Target Results

Name	Success Rows	Errors	Error Message	Actions
Source	1001	0		
Target_insert (FA_IICS_SCD2_healthcare_trg)	1001	0		
Target_update (FA_IICS_SCD2_healthcare_trg_1)	0	0		

DBViewer 22.2.0 - <nasreen> IICS_dst

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

- Nasreen_FA_LoanApproval
- Nasreen_FA_LoanApproval_trg
- Patient_details1
- SF_CINEMANASREEN_FA_CINI
- SF_FULL_DBATM_DETAILS
- SF_FULL_DBATM_DETAILS_DS
- SF_FULL_DBDEPT
- SF_FULL_DBDEPT_NF
- SF_FULL_DBDEPT_NF_DST
- SF_FULL_DBDIM_EMPLOYEES
- SF_FULL_DBEMPLOYEE
- SF_FULL_DBEMPLOYEE_NF
- SF_FULL_DBEMPL_SALARY_DS
- SF_FULL_DBEMPL_SALARY_DS
- SF_FULL_DBEMPLSQL
- SF_FULL_DBEMPLSQL_DST
- SF FULL DBEMP DST

Project - General

Name DataSource

Bookmarks Diagrams Scripts

```
CREATE TABLE FA_IICS_SCD2_healthcare_trg (  
    [T_key] int,  
    [T_PID] int,  
    [T_GENDER] nvarchar(255),  
    [T_CATEGORY_NAME] nvarchar(255),  
    [T_PREAUTH_AMT] float,  
    [T_CLAIM_AMOUNT] float,  
    [T_HOSP_NAME] nvarchar(255),  
    [T_SURGERY_DATE] datetime,  
    [T_DISCHARGE_DATE] datetime,  
    [T_checksum] nvarchar(255)  
)  
  
select * from FA_IICS_SCD2_healthcare_trg
```

Results 1

select * from FA_IICS_SCD2_healthcare_trg

T_key	T_PID	T_GENDER	T_CATEGORY_NAME	T_PREAUTH_AMT	T_CLAIM_AMOUNT	T_HOSP_NAME	T_SURGERY_DATE
1	1	female	XYZ	12,500	20,000	Rims Govt.	2022-10-10 10:45:19.000
2	2	Male	NEPHROLOGY	12,500	11,000	Rims Govt.	2022-10-10 10:45:19.000
3	3	Male	NEPHROLOGY	12,500	11,500	Rims Govt.	2022-10-10 10:45:19.000
4	4	Male	NEPHROLOGY	12,500	11,000	Rims Govt.	2022-10-10 10:45:19.000
5	5	Male	NEPHROLOGY	12,500	11,000	Rims Govt.	2022-10-10 10:45:19.000
6	6	Male	NEPHROLOGY	12,500	11,000	Rims Govt.	2022-10-10 10:45:19.000
7	7	Male	NEPHROLOGY	12,500	11,000	Govt Gener	2022-10-10 10:45:19.000
8	8	Male	NEPHROLOGY	12,500	5,000	Queens Nri	2022-10-10 10:45:19.000
9	9	Male	CARDIAC AN	40,000	40,000	Karnat H	2022-10-10 10:45:19.000

Save Cancel Script 200 200+ Rows: 1 200 row(s) fetched - 317ms (64ms fetch), on 2022-10-10 10:02 PM 10/10/2022

After Updating a row in a source table

The screenshot shows the Informatica Data Integration console. The top navigation bar includes 'New...', 'Home', 'Explore', 'Bundles', 'My Jobs', and 'My Import/Export Logs'. The left sidebar lists several sessions, with 'Nasreen-FA-IICS-Healthcare-SCD2-13' selected. The main panel displays the activity log for this session, showing it started by 'nasreen_i through UI' on Oct 10, 2022, at 3:49:20 AM, with a duration of 28 seconds. Below this, the 'Individual Source/Target Results' table is shown:

Name	Success Rows	Errors	Error Message	Actions
Source	1001	0		
Target_insert (FA_IICS_SCD2_healthcare_trg)	0	0		
Target_update (FA_IICS_SCD2_healthcare_trg_1)	1	0		
Target_ins_update (FA_IICS_SCD2_healthcare_trg_2)	1	0		

Below the table, the 'Sequence Generators' section is visible. The bottom status bar shows the system temperature as 73°F and the time as 10:03 PM on 10/10/2022.

Target table after updating a row

The screenshot shows the DBeaver 22.2.0 interface. The SQL editor displays the following SQL code:

```
CREATE TABLE IICS_SCD2_healthcare_src(  
  [PID] float,  
  [GENDER] nvarchar(255),  
  [CATEGORY_NAME] nvarchar(255),  
  [PREAUTH_AMT] float,  
  [CLAIM_AMOUNT] float,  
  [HOSP_NAME] nvarchar(255)  
)  
  
update IICS_SCD2_healthcare_src  
set category_name='ABC',gender='male' where PID = 1;  
  
select * from IICS_SCD2_healthcare_src
```

The results of the query are displayed in a table with 10 columns: T_key, T_PID, T_GENDER, T_CATEGORY_NAME, T_PREAUTH_AMT, T_CLAIM_AMOUNT, T_HOSP_NAME, and T_SURGERY_DATE. The table contains 10 rows of data, with the last row (PID 1) showing the updated values:

T_key	T_PID	T_GENDER	T_CATEGORY_NAME	T_PREAUTH_AMT	T_CLAIM_AMOUNT	T_HOSP_NAME	T_SURGERY_DATE
996	996	Male(Child)	PEDIATRICS	60,000	52,800	King Georg	2022-10-10 10:45:19.0
997	997	Female	PULMONOLOG	50,000	50,000	Sri Venkat	2022-10-10 10:45:19.0
998	998	Female	ENDOCRINOL	21,510	17,010	Narayana M	2022-10-10 10:45:19.0
999	999	Female	GENERAL ME	25,000	15,500	King Georg	2022-10-10 10:45:19.0
1000	1,000	1,000 male	GENERAL ME	25,000	21,400	King Georg	2022-10-10 10:45:19.0
1001	1,001	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	2022-10-10 10:45:19.0
1002	1	1 male	ABC	12,500	20,000	Rims Govt.	2022-10-10 10:49:39.0

The bottom status bar shows the system temperature as 73°F and the time as 10:03 PM on 10/10/2022.