- When testing update in SCD type 1, are we supposed to use insert or update query, or would any of themsejust as well??

Informatica PC Case Study Assessment

- A leading healthcare player, wanted to load the transactional data of claims to dimensional and fact tables in their EDW. The transactional data is being sent in a flat text file, delimited by "]". γίγε
- The file contains the claims transactional data (claims_transaction.txt), which has to be loaded to both the dimensional table (TBL_MEMBER) and the fact table (TBL_CLAIM) in a single mapping with a single pipeline.
- The transaction file contains Claim_id ,Member_id ,Member_name and Claim_amount. @ columns
- Member_id and Member_name have to be loaded to TBL_MEMBER. 2 Column 5
- Claim id, Member id and claim amount needs to be loaded to TBL CLAIM. 3 colums
- The EDW data load process has mandated to track the number of records loaded for each target table
 using an audit table (TBL_AUDIT).

Point to note

- 1. There are primary / foreign key relationship exists between fact and dimensional table
- 2. Claim id is unique, no duplicates expected.
- 3. Multiple claims can be raised by the same member id.
- 4. There is a chance of member name being updated in the same file.
- Only number of insert records needs to be loaded in the Audit table for the latest run.i.e update rows should not be counted.
- 6. All are SCD- Type 1 tables with no historical tracking

Claims Transactions - Input file

Claims_transaction.txt

DDLs

Me: Is it like where all data in target tables get converted into script & save in this text file?!

Claims_transaction_DDL_scripts.txt

Final Loaded data

1. Table containing the Members data - TBL_MEMBER

8	MEMBER_ID	MEMBER_NAME				
Ml		Member	One			
H2		Member	2			
из		Member				
H 4		Member	4			

Me: Can use sorter transformation.

Sort by Member 1D.

2. Table containing the Claims data - TBL CLAIM

MEMBER_ID	CLAIM_AMOUNT
RT	1000
M2	2000
M3	3000
M4	4000
M1	5000
	M2 M3 M4 M1

Me Con use Sovier transformation. Sort by Claum_1D.

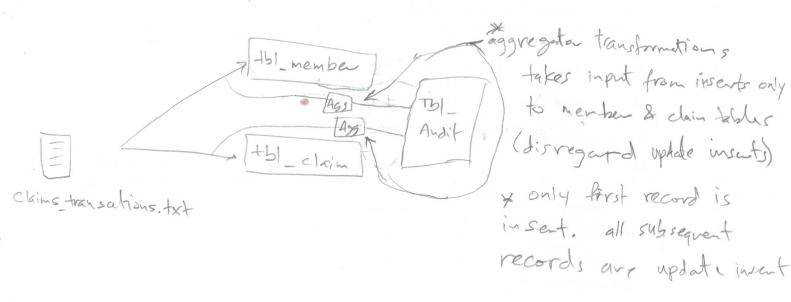
3. Table containing the Audit data - TBL_AUDIT

varcha vz	5 25	25	25	25	INT
FOLDER_NAME	WORKFLOW_NAME	SESSION_NAME	MAPPING_NAME	TABLE_NAME	ROW_COUNT
Training	wf_m_specialist	s_m_specialist	m_specialist	TBL_CLAIM	5
Training	wf_m_specialist	s_m_specialist	m_specialist	TBL_MEMBER	4

Information built-in variable (see link shared by Michael on Discord)

update strategy + insert = keeps unserting all source records into taget every time while executed

update strategy + update > updates target first time inf & executed after updating source. Subsequent we executions will not affect target if source is not updated



Informatica SCD Type 2 Case Study Assessment

- A company wants to maintain the location changes of its employees using SCD type 2 dimension method.
- The transactional data is being sent in a flat text file, with the comma delimited file.
- The file contains the employee information (Employee.csv), which has to be loaded to the dimensional table (D Employee) and whenever there is a change in an employee's location, the history and current data need to be tracked in the following ways,
 - 1) By flagging the records. Latest record will be set with current flag 'Y' and the older record with the current flag 'N'.
 - 2) By giving versions. Latest record will have the max version ie. Start with the version 1 and if location changes then increase the version number.
 - 3) By End dating the record. When it comes for the first time it has the start date as SYSDATE and End date as '12/31/9999'. If location changes then the older record will be end dated with the SYSDATE -1 and the latest record will have the start date as SYSDATE and End date as '12/31/9999'.

Point to Note

1) Employee id is the unique key from the file

2) Create a sequence for EMP Key (Primary key) each time a record is inserted into D_Employee PER NO = EMP Key & dute type: number table.

Employee – Input file



DDLs



D_Employee.txt

Cases,
Taiget Emp 1) is just for update stadegy Emp_1dt

Version | Emp_key

Version | Emp_key

O- new rec O update ver

Final Loaded data

1. D Employee table with the Historical changes.

	3	3	15	30	15	15	(2)	,	3		
			string	String	string	Shin	string	string	number	date	1.1.
	EMP_Key		EMP_Name		City	State	Country	Current Flag	Current_Version		derte
	1			3120 Bloomfield Square	Auburn Hills	MI	USA	Y			
	2	101	Jerry	105 Bloomfield Hills	Rochester Hills	NY	USA	V			12/31/9999
1	3	102	Joy	546 Barclays	Trov	MI	USA	v			12/31/9999
	4	103	Tina	4967 Clifton Hill	Tonawanda	NY	USA	Y			12/31/9999
	5	104	Bruce	849 Young St		ON	-	Υ			12/31/9999
m	6	105		222114111			Canada	Υ	1	6/3/2022	12/31/9999
m	7	106		4500 FU 1 - 1 - 1		CA		N	1	6/3/2022	6/5/2022
ingea	8			F.C			Canada	Υ	1	6/3/2022	12/31/9999
address >	9			400 14 1 0			USA	Υ			12/31/9999
		103	TOTT	400 Main St	Detroit	MI	USA	Υ			12/31/9999

2. Refer below scenarios attached to load D_Employee table.



Scenario.xlsx

Note:

his.

Try changing the data by creating more versions and check how the history is maintained.

Downert flag (Y/N)

2) current version (1/2, etc) thishest version number is the most current record

3) startdate/end_date

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