

3) EXPRESSION TRANSFORMATION

This can be used to calculate the values in a single row before writing to the target

Ex: To calculate discount of each product.

S: PRODUCT

T: PROD-DISCOUNT

PID	PNAME	Price	PID	PNAME	PRICE	DISCOU
1001	TV	50000	1001	TV	50000	5000
1002	Laptop	40000	1002	Laptop	40000	4000
1003	Camera	20000	1003	Camera	20000	2000

1) S: select count(PID) from OLTP-SOURCE.PRODUCT

T: Select count(PID) from PROD-DISCOUNT;

2 Target table should not contain Null value (price)

T: select * from prod-discount where price is null;

3) Discount should not be Null

T: select * from prod-discount where discount is Null;

4) Target table should not contain duplicate data

T: select PID, count(PID) from prod-discount group by PID having count(PID) > 1

5 Verifying column mapping

select PID, Pname, price, price * 10/100 as discount from oltp-source.product Minus select PID, Pname, price, discount from product-discount.

1) REQUIREMENT : 1

→ CONCATENATE FIRST AND LAST NAME OF CUSTOMER
S : CUSTOMER

ID	FNAME	L-NAME	CITY
1	Siva	Prasad	BNG
2	shyam	Kumar	CHN

SELECT ID, F-NAME || ' ' || L-NAME AS CUSTOMER,
CITY FROM OLTP-CUSTOMER ;

MINUS M

SELECT ID, CUSTOMER, CITY FROM CUST-DIM

S : CUST-DIM

ID	CUSTOMER	CITY
1	Siva Prasad	BNG
2	Shyam Kumar	CHN

2) REQUIREMENT : 2 ^{value}

→ IF source column is empty (Null) then update
the corresponding column in target table is
as '-1'.

S : PRODUCT

T : PROD-DIM

PID	PNAME	PRICE	PID	PNAME	PRICE
1001	TV	50000	1001	TV	50000
1002	Laptop		1002	Laptop	-1
1003	Camera	20000	1003	Camera	20000
1004	Mob.	10000	1004	Mob	10000
1005	Watch.		1005	Watch.	-1

1 Verifying for row count for source and target
table.

S : select count (PID) from OLTP-source.product ;

T : Select count (PID) from product-dim ;

2) price column should not contain null values.

T: select * from product-dim where price is null

3) Target table should not contain duplicates, verify

T: select pid, count(pid) from prod-dim group by pid having count(pid) > 1;

4) Verifying for -1 count:

T: select count(pid) from product-dim where price = -1;

5) Verifying for null values in source table.

S: select count(pid) from oltp-source.product where price is null;

6) Verifying column mapping:

select pid, pname, NVL(price, -1) from oltp-source.product

MINUS

select pid, pname, price from product-dim;

{ PTO }