1. For insert operation:

Source:

|  |  |  |
| --- | --- | --- |
| Emp\_no | Emp\_name | Salary |
| 101 | aaa | 3000 |
| 102 | bbb | 10000 |
| 103 | ccc | 5000 |

Target:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp\_no | Emp\_name | Salary | BEGIN DATE | END DATE |

FLOW:

**Src\_qual -- Exp Trans -- Lookup Trans -- Exp Trans -- Router Trans -- T\_EMP\_DETAILS\_INSERT**



**UPDATE STRATEGY** --**T\_EMP\_DETAILS\_UPDATE**

In Lookup trans –For begin date column insert date using Date function. (SYSDATE - variable will return current date and time)

In Expression - Check condition and create a column insert\_update\_logic

// 1) IF(isnull(Lkp\_emp\_key),0) every record should be inserted.

2) IF(Lkp\_emp\_no=emp\_no) and lkp\_salary<> salary and end Date 1

In router - split the ways(insert and update)

Insert all the values Initially

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp\_no | Emp\_name | Salary | BEGIN DATE | END DATE |
| 101 | aaa | 3000 | 02/08/2023 | NULL |
| 102 | bbb | 10000 | 02/08/2023 | NULL |
| 103 | ccc | 5000 | 02/08/2023 | NULL |

1. For update operation:

Source:

|  |  |  |
| --- | --- | --- |
| Emp\_no | Emp\_name | Salary |
| 101 | aaa | 7000 |

Target:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp\_no | Emp\_name | Salary | BEGIN DATE | END DATE |
| 101 | aaa | 3000 | 02/08/2023 | NULL |
| 102 | bbb | 10000 | 02/08/2023 | NULL |
| 103 | ccc | 5000 | 02/08/2023 | NULL |

FLOW:

**Src\_qual -- Exp Trans -- Lookup Trans -- Exp Trans -- Router Trans -- T\_EMP\_DETAILS\_INSERT**

--**T\_EMP\_DETAILS\_UPDATE**

In lookup - Check the end value is null and pass it to next level for update.

In Expression - Check condition

1) IF(isnull(Lkp\_emp\_key) and notnull(end date),0) // every record should be inserted.

2) IF(Lkp\_emp\_no=emp\_no) and lkp\_salary<> salary 1

In router - split the ways(insert and update)

Insert the value to the target table

update insert\_update\_logic=1

In update Strategy

Replace End Date from Null to Begin Date (connect source date to update strategy)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp\_no | Emp\_name | Salary | BEGIN DATE | END DATE |
| 101 | aaa | 3000 | 02/08/2023 | 03/08/2023 |
| 102 | bbb | 10000 | 02/08/2023 | NULL |
| 103 | ccc | 5000 | 03/08/2023 | NULL |