

# SCD2 Implementation for employee

## Business scenario:

John doe works in Google his job there is to keep track of employee's details of change in project or change in manager and even keep track of the hikes and variable pay changes an employee gets.

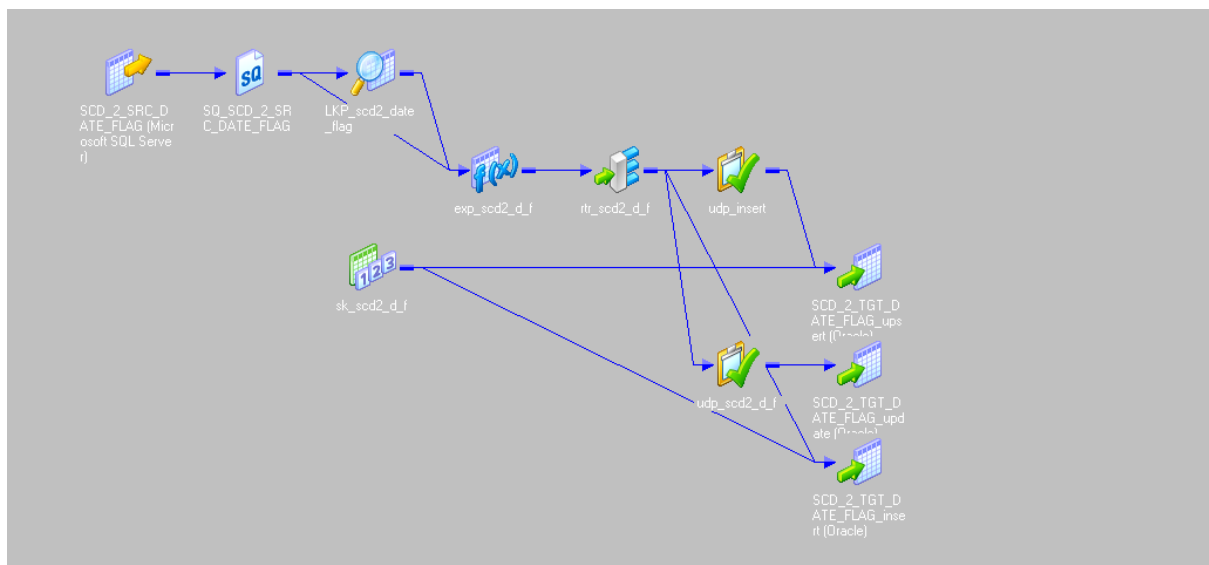
He is required to maintain the history record and present record of the employee.

Hence he decides to hire you to create the best solution for doing the same.

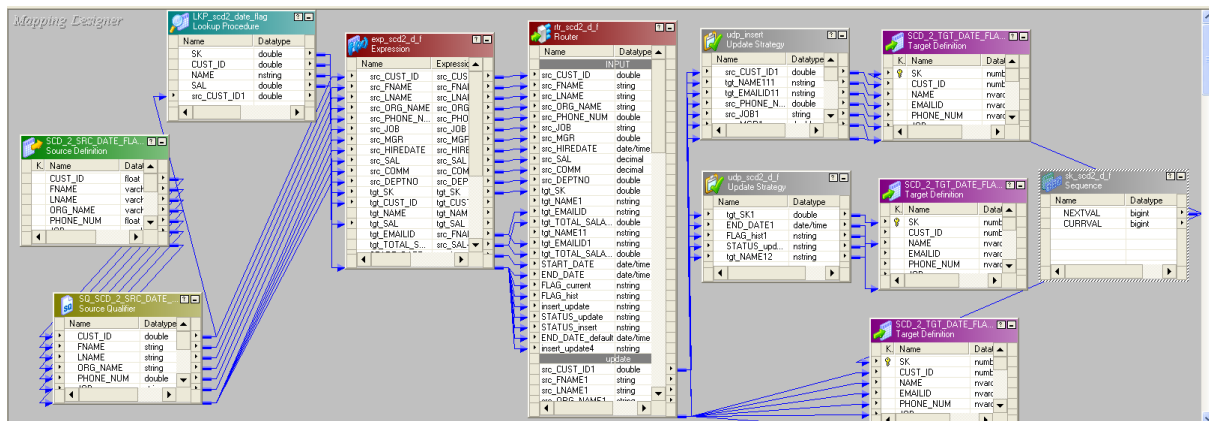
## Use case :

Create an SCD2 implementation over an employees table where to update the target table based on change in salary, comm, job or manager in the source table.

## Iconic view of SCD2 implementation on employees table



## Tabular view of SCD2 implementation on employees table



Source SQL output

	CUST_ID	FNAME	LNAME	ORG_NAME	PHONE_NUM	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	101	ff	a	f	9999	dd	999	1900-01-01 00:00:00.000	1000.00	456.00	5

Target Oracle output

	S#	CUST_ID	N#	E#	EMAIL	PHONE_NUM	L#	JOB	MGR	H#	DEDATE	S#	COMM	TOTAL_SALARY	DEPTH0	START_DATE	END#		
1	37	101	A8	a	AT.a@a.com	9999.00000000000000000000	dd		9991	-JAN-00	12.00.00.000000000000	AM	2000	456	2456	518-FEB--22	05.52.52.0000000000	AM	17-FF
2	38	101	(null)	A8.a	a.f@f.com	9999.00000000000000000000	dd		9991	-JAN-00	12.00.00.000000000000	AM	1000	456	1456	518-FEB--22	09.17.27.0000000000	AM	17-FF
3	39	101	(null)	f.f.a	a.f@f.com	9999.00000000000000000000	dd		9991	-JAN-00	12.00.00.000000000000	AM	1000	456	1456	518-FEB--22	09.23.49.0000000000	AM	31--F