

Data Warehouse Case Study

Part2

KANIMOZHI MURUGESAN / AMBALIKA KOTOCH

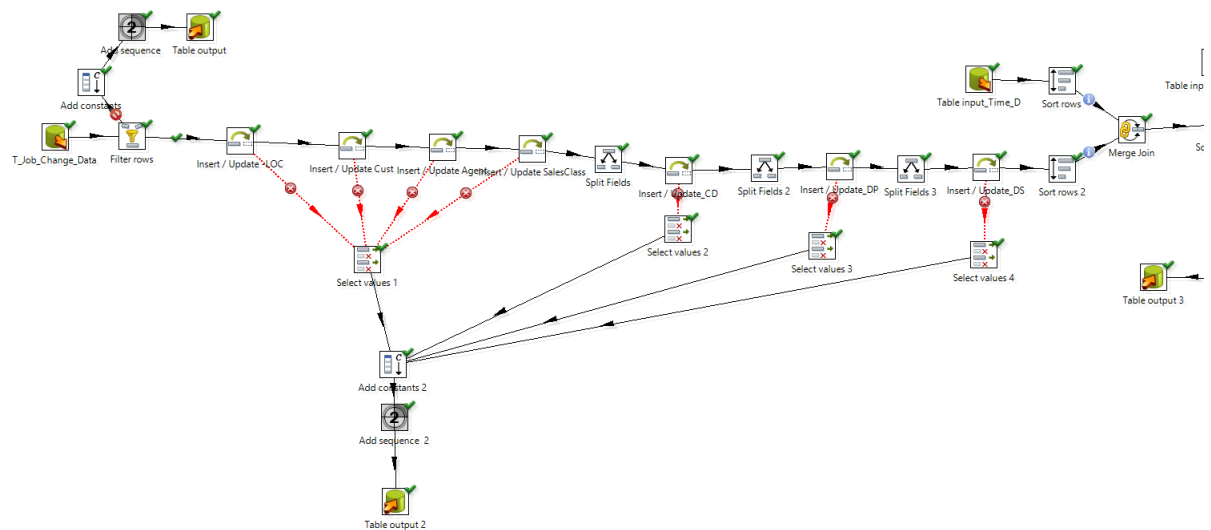
4/26/2017

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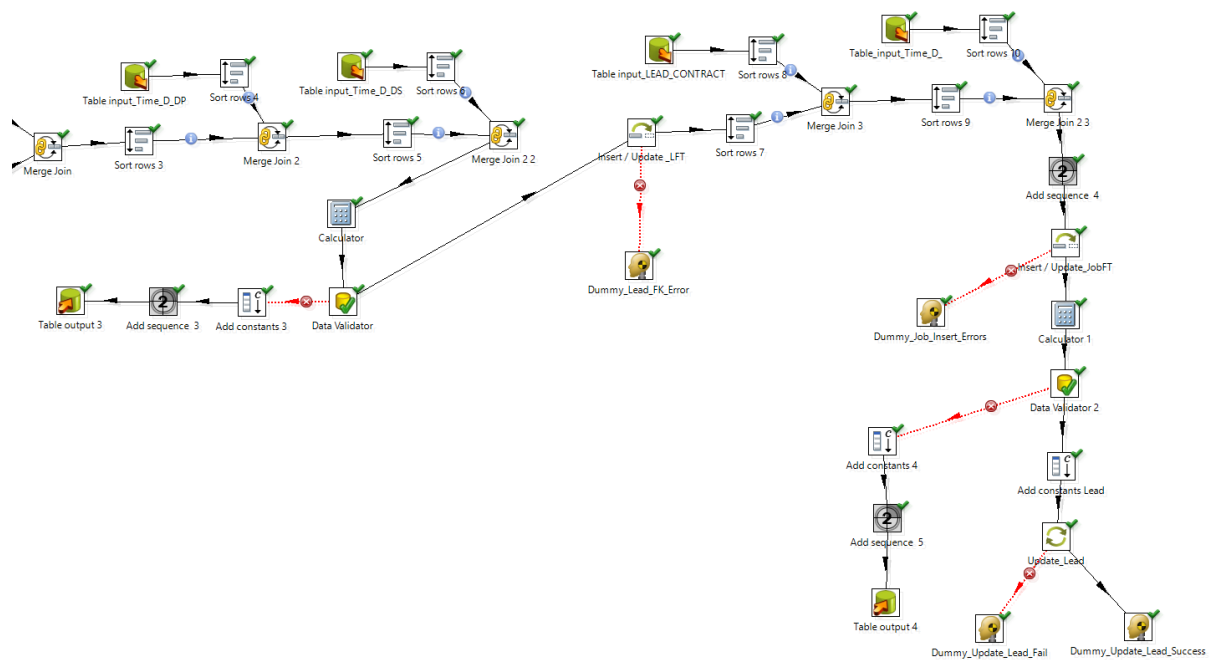
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TEST DATA TRANSFORMATION

Complete transform design pane part 1:



Complete transform design pane part 2:



Complete Step Metrics:

Execution Results

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[Logging](#)
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#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	18	18	0	0	0	0	Finished	0.3s	61	-
2	Filter rows	0	18	18	0	0	0	0	0	Finished	0.2s	86	-
3	Add constants	0	2	2	0	0	0	0	0	Finished	0.2s	9	-
4	Add sequence	0	2	2	0	0	0	0	0	Finished	0.3s	6	-
5	Table output	0	2	2	0	2	0	0	0	Finished	0.5s	4	-
6	Insert / Update -LOC	0	16	14	16	0	0	2	0	Finished	1.3s	12	-
7	Insert / Update Cust	0	14	13	14	0	0	1	0	Finished	1.4s	10	-
8	Insert / Update Agent	0	13	13	13	0	0	0	0	Finished	1.4s	9	-
9	Insert / Update SalesClass	0	13	13	13	0	0	0	0	Finished	1.5s	8	-
10	Add sequence 2	0	4	4	0	0	0	0	0	Finished	1.6s	2	-
11	Table output 2	0	4	4	0	4	0	0	0	Finished	1.8s	2	-
12	Add constants 2	0	4	4	0	0	0	0	0	Finished	1.6s	2	-
13	Split Fields	0	13	13	0	0	0	0	0	Finished	1.4s	9	-
14	Insert / Update_CD	0	13	12	13	0	0	1	0	Finished	1.6s	8	-
15	Split Fields 2	0	12	12	0	0	0	0	0	Finished	1.4s	8	-
16	Insert / Update_DP	0	12	12	12	0	0	0	0	Finished	1.6s	7	-
17	Split Fields 3	0	12	12	0	0	0	0	0	Finished	1.5s	8	-
18	Insert / Update_DS	0	12	12	12	0	0	0	0	Finished	1.7s	7	-
19	Select values 2	0	1	1	0	0	0	0	0	Finished	1.4s	1	-
20	Select values 3	0	0	0	0	0	0	0	0	Finished	1.5s	0	-
21	Select values 4	0	0	0	0	0	0	0	0	Finished	1.6s	0	-
22	Select values 1	0	3	3	0	0	0	0	0	Finished	1.4s	2	-
23	Table input_Time_D	0	0	74	74	0	0	0	0	Finished	0.6s	131	-
24	Sort rows	0	74	74	0	0	0	0	0	Finished	0.5s	155	-
25	Sort rows 2	0	12	12	0	0	0	0	0	Finished	1.6s	8	-
26	Merge Join	0	86	12	0	0	0	0	0	Finished	1.9s	44	-
27	Sort rows 3	0	12	12	0	0	0	0	0	Finished	1.9s	6	-
28	Table input_Time_D_DP	0	0	74	74	0	0	0	0	Finished	0.6s	120	-
29	Sort rows 4	0	74	74	0	0	0	0	0	Finished	0.5s	141	-
30	Merge Join 2	0	86	12	0	0	0	0	0	Finished	2.3s	37	-
31	Table input_Time_D_DS	0	0	74	74	0	0	0	0	Finished	0.6s	123	-
32	Sort rows 6	0	74	74	0	0	0	0	0	Finished	0.5s	141	-
33	Merge Join 2 2	0	86	12	0	0	0	0	0	Finished	2.7s	32	-
34	Sort rows 5	0	12	12	0	0	0	0	0	Finished	2.3s	5	-
35	Calculator	0	12	12	0	0	0	0	0	Finished	2.7s	4	-
36	Data Validator	0	12	8	0	0	0	4	0	Finished	2.7s	4	-
37	Add constants 3	0	4	4	0	0	0	0	0	Finished	2.8s	1	-
38	Add sequence 3	0	4	4	0	0	0	0	0	Finished	2.8s	1	-
39	Table output 3	0	4	4	0	4	0	0	0	Finished	3.0s	1	-
40	Sort rows 8	0	40	40	0	0	0	0	0	Finished	0.3s	117	-
41	Merge Join 3	0	47	7	0	0	0	0	0	Finished	3.2s	15	-
42	Sort rows 7	0	7	7	0	0	0	0	0	Finished	2.7s	2	-
43	Table input_LEAD_CONTRACT	0	0	40	40	0	0	0	0	Finished	0.3s	118	-
44	Insert / Update_LFT	0	8	7	8	0	0	1	0	Finished	2.9s	3	-
45	Sort rows 10	0	74	74	0	0	0	0	0	Finished	0.4s	175	-
46	Merge Join 2 3	0	81	7	0	0	0	0	0	Finished	3.5s	23	-
47	Table_input_Time_D_	0	0	74	74	0	0	0	0	Finished	0.5s	150	-
48	Sort rows 9	0	7	7	0	0	0	0	0	Finished	3.1s	2	-
49	Add sequence 4	0	7	7	0	0	0	0	0	Finished	3.6s	2	-
50	Insert / Update_JobFT	0	7	7	7	7	0	0	0	Finished	4.0s	2	-
51	Calculator 1	0	7	7	0	0	0	0	0	Finished	3.9s	2	-
52	Data Validator 2	0	7	6	0	0	0	1	0	Finished	3.9s	2	-
53	Add constants 4	0	1	1	0	0	0	0	0	Finished	3.9s	0	-
54	Add sequence 5	0	1	1	0	0	0	0	0	Finished	4.0s	0	-
55	Table output 4	0	1	1	0	1	0	0	0	Finished	4.2s	0	-
56	Add constants Lead	0	6	6	0	0	0	0	0	Finished	3.9s	2	-
57	Update_Lead	0	6	6	6	0	6	0	0	Finished	4.2s	1	-
58	Dummy_Job_Insert_Errors	0	0	0	0	0	0	0	0	Finished	3.9s	0	-
59	Dummy_Lead_FK_Error	0	1	1	0	0	0	0	0	Finished	2.7s	0	-
60	Dummy_Update_Lead_Fail	0	0	0	0	0	0	0	0	Finished	4.0s	0	-
61	Dummy_Update_Lead_Success	0	6	6	0	0	0	0	0	Finished	4.0s	1	-

Module 1: Null values Validation

Table output

Step name: Table output

Connection: Oracle12cDB

Target schema:

Target table: T_ERROR_LOG

Commit size: 1000

Truncate table: ☐

Ignore insert errors: ☐

Specify database fields: ☒

Main options: Database fields

Fields to insert:

#	Table field	Stream field
1	LOG_ID	log_id_seq1
2	CHANGE_ID	CHANGE_ID
3	NOTE	null_value_er...

Get fields

Enter field mapping

OK Cancel SQL

Execution Results

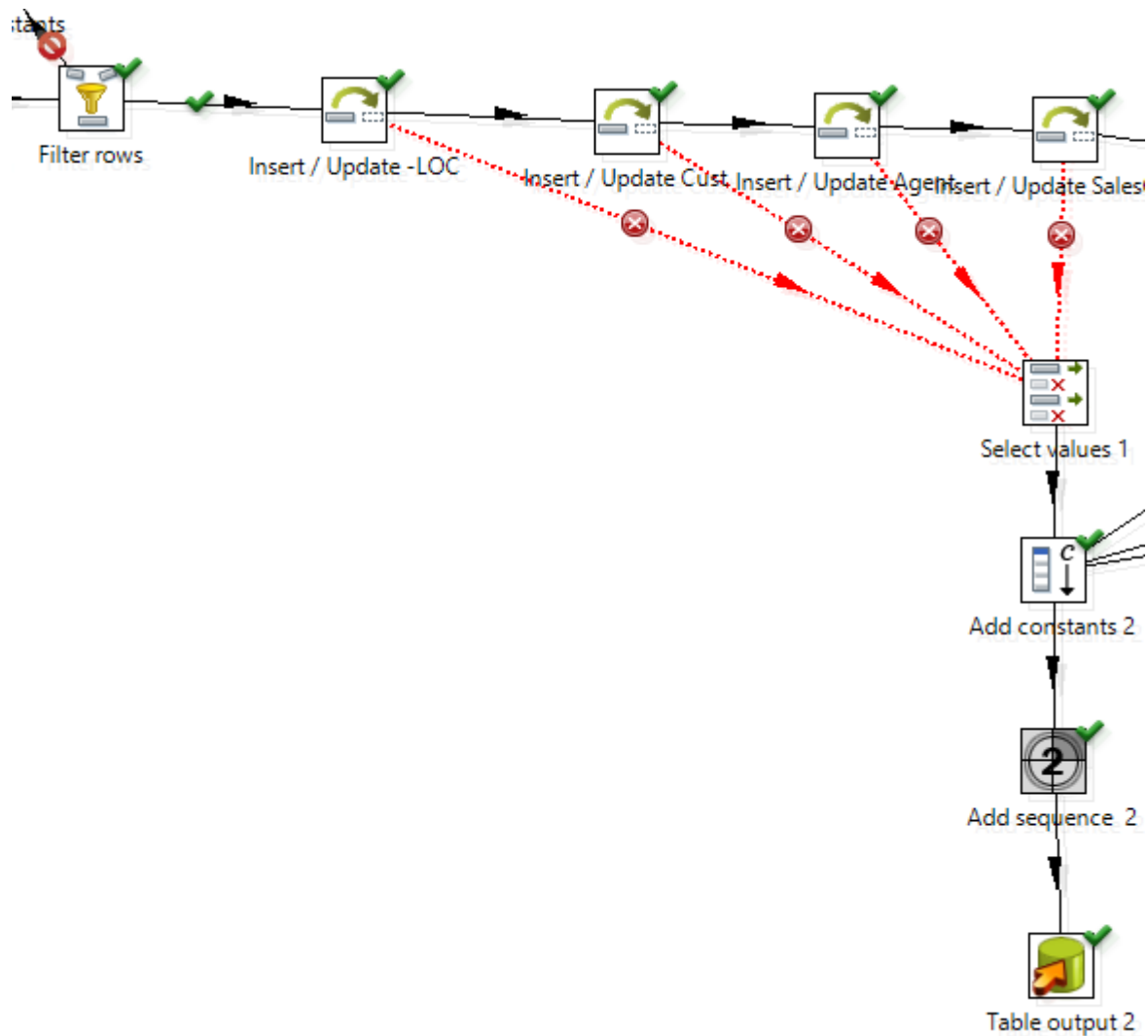
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	18	18	0	0	0	0	Finished	0.2s	100	-
2	Filter rows	0	18	2	0	0	0	0	0	Finished	0.1s	170	-
3	Add constants	0	2	2	0	0	0	0	0	Finished	0.1s	18	-
4	Add sequence	0	2	2	0	0	0	0	0	Finished	0.2s	10	-
5	Table output	0	2	2	0	2	0	0	0	Finished	0.4s	5	-

Module 2: Foreign key Validation

It was not clear whether to capture Lead_ID FK error. However, we went ahead and captured the FK errors for all the primary key checks. The following screen capture and step metrics are divided into two parts :

- Foreign key Validation excluding Lead_Id error capture
- Foreign key Validation including Lead_Id error capture

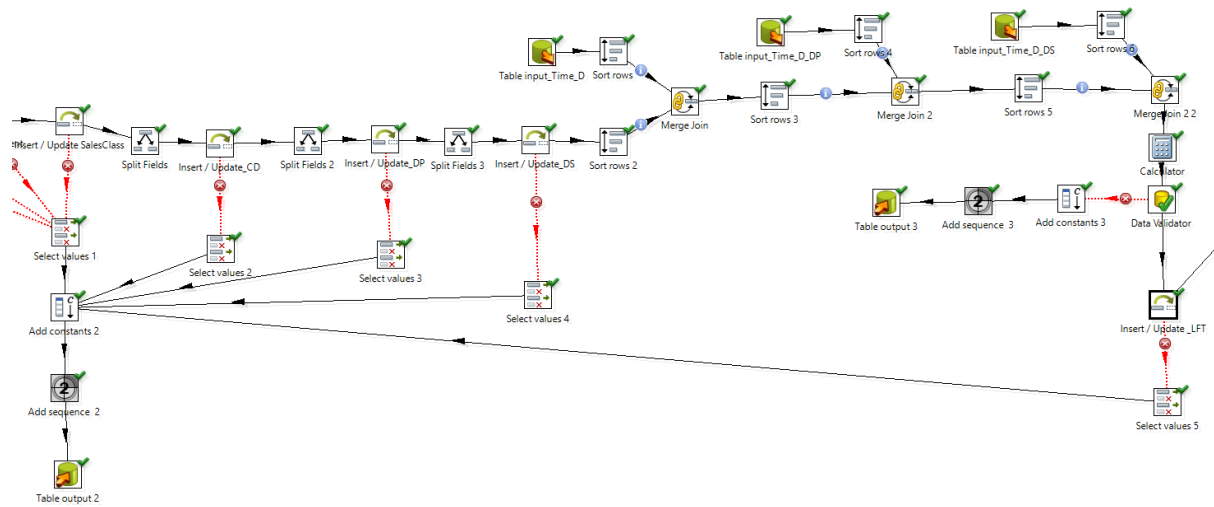
a) Excluding Lead_Id



Execution Result:

Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	18	18	0	0	0	0	Finished	0.4s	49	-
2	Filter rows	0	18	18	0	0	0	0	0	Finished	0.2s	87	-
3	Add constants	0	2	2	0	0	0	0	0	Finished	0.2s	10	-
4	Add sequence	0	2	2	0	0	0	0	0	Finished	0.4s	5	-
5	Table output	0	2	2	0	2	0	0	0	Finished	2.9s	1	-
6	Insert / Update -LOC	0	16	14	16	0	0	2	0	Finished	5.0s	3	-
7	Insert / Update Cust	0	14	13	14	0	0	1	0	Finished	5.4s	3	-
8	Insert / Update Agent	0	13	13	13	0	0	0	0	Finished	5.4s	2	-
9	Insert / Update SalesClass	0	13	13	13	0	0	0	0	Finished	5.5s	2	-
10	Add sequence 2	0	4	4	0	0	0	0	0	Finished	5.6s	1	-
11	Table output 2	0	4	4	0	4	0	0	0	Finished	5.8s	1	-

B) Including Lead_Id

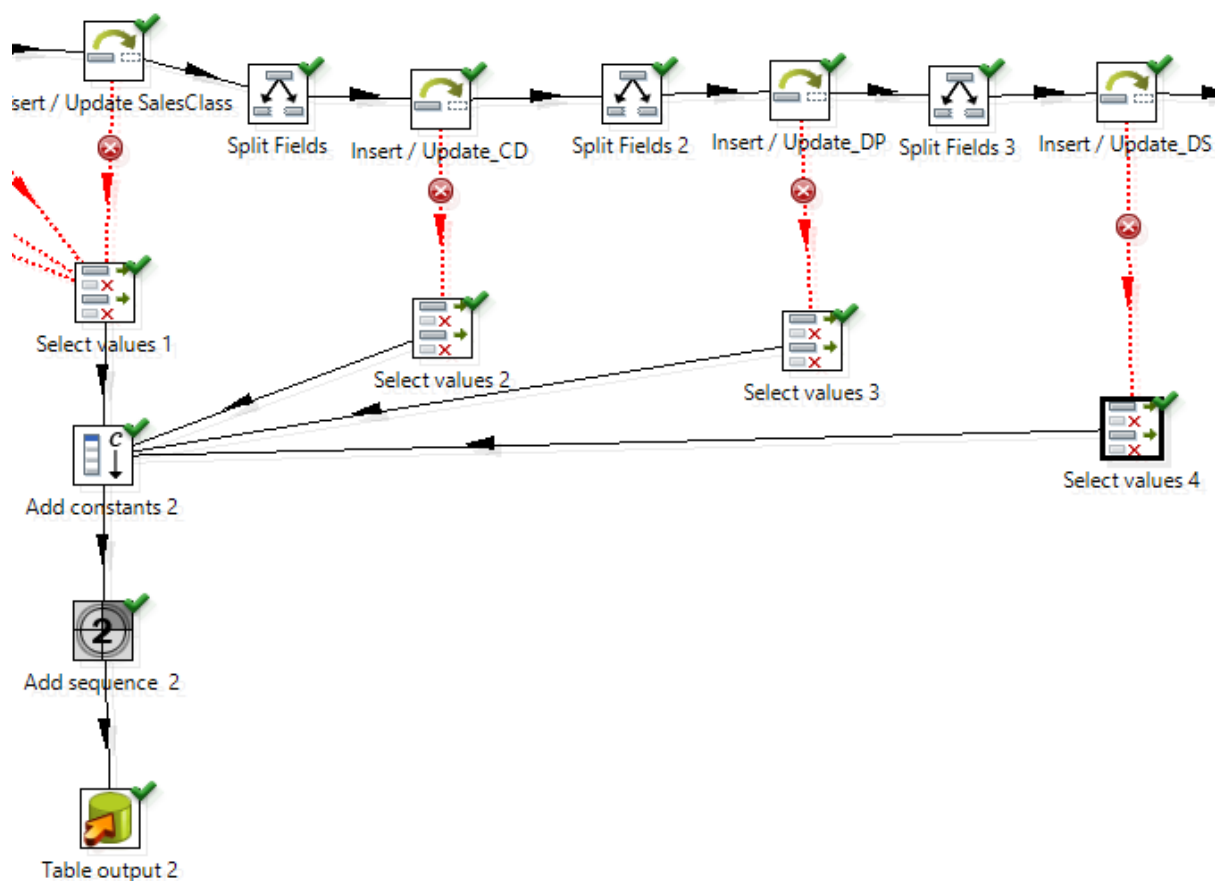


Execution Result:

Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	18	18	0	0	0	0	Finished	0.2s	82	-
2	Filter rows	0	18	18	0	0	0	0	0	Finished	0.1s	144	-
3	Add constants	0	2	2	0	0	0	0	0	Finished	0.1s	15	-
4	Add sequence	0	2	2	0	0	0	0	0	Finished	0.2s	9	-
5	Table output	0	2	2	0	2	0	0	0	Finished	0.5s	4	-
6	Insert / Update -LOC	0	16	14	16	0	0	2	0	Finished	1.4s	12	-
7	Insert / Update Cust	0	14	13	14	0	0	1	0	Finished	1.5s	9	-
8	Insert / Update Agent	0	13	13	13	0	0	0	0	Finished	1.6s	8	-
9	Insert / Update SalesClass	0	13	13	13	0	0	0	0	Finished	1.6s	8	-
10	Add sequence 2	0	5	5	0	0	0	0	0	Finished	3.1s	2	-
11	Table output 2	0	5	5	0	5	0	0	0	Finished	3.3s	2	-
12	Add constants 2	0	5	5	0	0	0	0	0	Finished	3.0s	2	-
13	Split Fields	0	13	13	0	0	0	0	0	Finished	1.5s	9	-
14	Insert / Update_CD	0	13	12	13	0	0	1	0	Finished	1.7s	8	-
15	Split Fields 2	0	12	12	0	0	0	0	0	Finished	1.6s	8	-
16	Insert / Update_DP	0	12	12	12	0	0	0	0	Finished	1.8s	7	-
17	Split Fields 3	0	12	12	0	0	0	0	0	Finished	1.6s	7	-
18	Insert / Update_DS	0	12	12	12	0	0	0	0	Finished	1.8s	6	-
19	Select values 2	0	1	1	0	0	0	0	0	Finished	1.6s	1	-
20	Select values 3	0	0	0	0	0	0	0	0	Finished	1.6s	0	-
21	Select values 4	0	0	0	0	0	0	0	0	Finished	1.7s	0	-
22	Select values 1	0	3	3	0	0	0	0	0	Finished	1.5s	2	-
23	Table input_Time_D	0	0	74	74	0	0	0	0	Finished	0.6s	116	-
24	Sort rows	0	74	74	0	0	0	0	0	Finished	0.5s	136	-
25	Sort rows 2	0	12	12	0	0	0	0	0	Finished	1.7s	7	-
26	Merge Join	0	86	12	0	0	0	0	0	Finished	2.1s	41	-
27	Sort rows 3	0	12	12	0	0	0	0	0	Finished	2.1s	6	-
28	Table input_Time_D_DP	0	0	74	74	0	0	0	0	Finished	0.6s	118	-
29	Sort rows 4	0	74	74	0	0	0	0	0	Finished	0.5s	147	-
30	Merge Join 2	0	86	12	0	0	0	0	0	Finished	2.5s	35	-
31	Table input_Time_D_DS	0	0	74	74	0	0	0	0	Finished	0.7s	113	-
32	Sort rows 6	0	74	74	0	0	0	0	0	Finished	0.5s	136	-
33	Merge Join 2 2	0	86	12	0	0	0	0	0	Finished	2.8s	30	-
34	Sort rows 5	0	12	12	0	0	0	0	0	Finished	2.5s	5	-
35	Calculator	0	12	12	0	0	0	0	0	Finished	2.8s	4	-
36	Data Validator	0	12	8	0	0	0	4	0	Finished	2.8s	4	-
37	Add constants 3	0	4	4	0	0	0	0	0	Finished	2.9s	1	-
38	Add sequence 3	0	4	4	0	0	0	0	0	Finished	2.9s	1	-
39	Table output 3	0	4	4	0	4	0	0	0	Finished	3.0s	1	-
40	Sort rows 8	0	40	40	0	0	0	0	0	Finished	0.3s	126	-
41	Merge Join 3	0	47	7	0	0	0	0	0	Finished	3.4s	14	-

42	Sort rows 7	0	7	7	0	0	0	0	0	0	Finished	2.7s	2	-
43	Table input_LEAD_CONTRACT	0	0	40	40	0	0	0	0	0	Finished	0.3s	118	-
44	Insert / Update_LFT	0	8	7	8	0	0	1	0	0	Finished	2.9s	3	-
45	Sort rows 10	0	74	74	0	0	0	0	0	0	Finished	0.4s	175	-
46	Merge Join 2 3	0	81	7	0	0	0	0	0	0	Finished	3.5s	23	-
47	Table_input_Time_D_	0	0	74	74	0	0	0	0	0	Finished	0.5s	150	-
48	Sort rows 9	0	7	7	0	0	0	0	0	0	Finished	3.1s	2	-
49	Add sequence 4	0	7	7	0	0	0	0	0	0	Finished	3.6s	2	-
50	Insert / Update_JobFT	0	7	7	7	7	0	0	0	0	Finished	4.0s	2	-
51	Calculator 1	0	7	7	0	0	0	0	0	0	Finished	3.9s	2	-
52	Data Validator 2	0	7	6	0	0	0	1	0	0	Finished	3.9s	2	-
53	Add constants 4	0	1	1	0	0	0	0	0	0	Finished	3.9s	0	-
54	Add sequence 5	0	1	1	0	0	0	0	0	0	Finished	4.0s	0	-
55	Table output 4	0	1	1	1	0	1	0	0	0	Finished	4.2s	0	-
56	Add constants Lead	0	6	6	0	0	0	0	0	0	Finished	3.9s	2	-
57	Update_Lead	0	6	6	6	0	6	0	0	0	Finished	4.2s	1	-
58	Dummy_Job_Insert_Errors	0	0	0	0	0	0	0	0	0	Finished	3.9s	0	-
59	Dummy_Lead_FK_Error	0	1	1	0	0	0	0	0	0	Finished	2.7s	0	-
60	Dummy_Update_Lead_Fail	0	0	0	0	0	0	0	0	0	Finished	4.0s	0	-
61	Dummy_Update_Lead_Success	0	6	6	0	0	0	0	0	0	Finished	4.0s	1	-

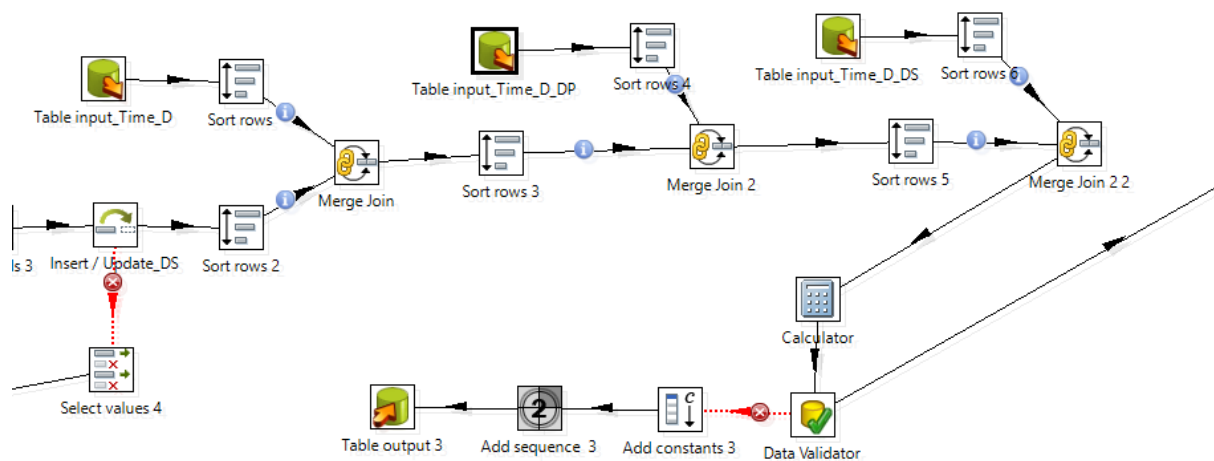
Module 3: Date Validation



Execution Result:

Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copypnr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	18	18	0	0	0	0	Finished	0.2s	103	-
2	Filter rows	0	18	18	0	0	0	0	0	Finished	0.1s	191	-
3	Add constants	0	2	2	0	0	0	0	0	Finished	0.1s	21	-
4	Add sequence	0	2	2	0	0	0	0	0	Finished	0.2s	10	-
5	Table output	0	2	2	0	2	0	0	0	Finished	0.3s	6	-
6	Insert / Update -LOC	0	16	14	16	0	0	2	0	Finished	1.3s	13	-
7	Insert / Update Cust	0	14	13	14	0	0	1	0	Finished	1.3s	11	-
8	Insert / Update Agent	0	13	13	13	0	0	0	0	Finished	1.4s	10	-
9	Insert / Update SalesClass	0	13	13	13	0	0	0	0	Finished	1.4s	9	-
10	Add sequence 2	0	4	4	0	0	0	0	0	Finished	1.5s	3	-
11	Table output 2	0	4	4	0	4	0	0	0	Finished	1.7s	2	-
12	Add constants 2	0	4	4	0	0	0	0	0	Finished	1.5s	3	-
13	Split Fields	0	13	13	0	0	0	0	0	Finished	1.3s	10	-
14	Insert / Update_CD	0	13	12	13	0	0	1	0	Finished	1.5s	9	-
15	Split Fields 2	0	12	12	0	0	0	0	0	Finished	1.3s	9	-
16	Insert / Update_DP	0	12	12	12	0	0	0	0	Finished	1.5s	8	-
17	Split Fields 3	0	12	12	0	0	0	0	0	Finished	1.4s	8	-
18	Insert / Update_DS	0	12	12	12	0	0	0	0	Finished	1.6s	8	-
19	Select values 2	0	1	1	0	0	0	0	0	Finished	1.3s	1	-
20	Select values 3	0	0	0	0	0	0	0	0	Finished	1.4s	0	-
21	Select values 4	0	0	0	0	0	0	0	0	Finished	1.5s	0	-
22	Select values 1	0	3	3	0	0	0	0	0	Finished	1.3s	2	-

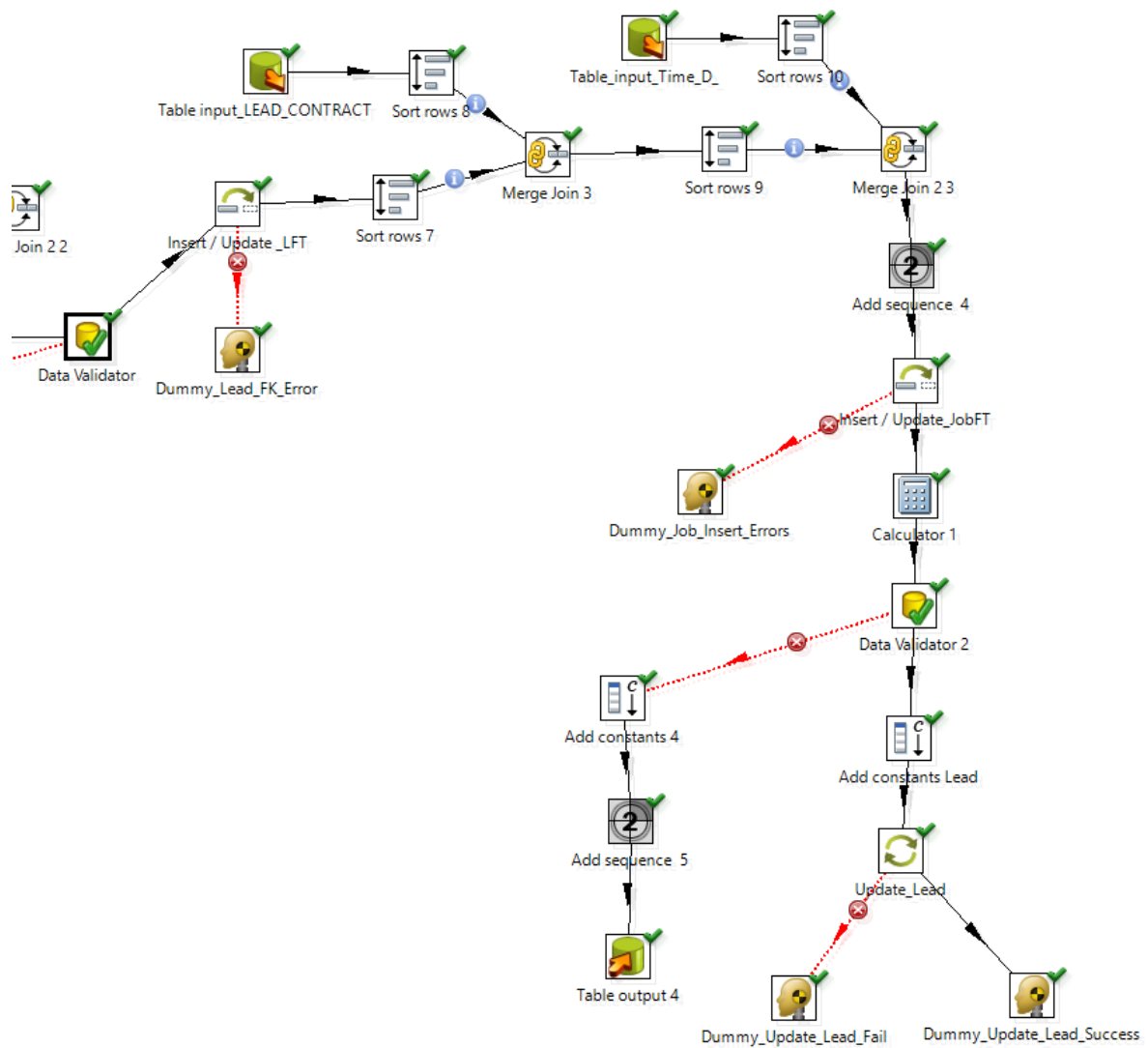
Module 4: Business day differences



Execution Result:

Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	18	18	0	0	0	0	Finished	0.3s	69	-
2	Filter rows	0	18	18	0	0	0	0	0	Finished	0.2s	112	-
3	Add constants	0	2	2	0	0	0	0	0	Finished	0.2s	12	-
4	Add sequence	0	2	2	0	0	0	0	0	Finished	0.3s	6	-
5	Table output	0	2	2	0	2	0	0	0	Finished	0.5s	4	-
6	Insert / Update -LOC	0	16	14	16	0	0	2	0	Finished	1.8s	9	-
7	Insert / Update Cust	0	14	13	14	0	0	1	0	Finished	1.9s	7	-
8	Insert / Update Agent	0	13	13	13	0	0	0	0	Finished	1.9s	7	-
9	Insert / Update SalesClass	0	13	13	13	0	0	0	0	Finished	2.0s	6	-
10	Add sequence 2	0	4	4	0	0	0	0	0	Finished	2.1s	2	-
11	Table output 2	0	4	4	0	4	0	0	0	Finished	2.3s	2	-
12	Add constants 2	0	4	4	0	0	0	0	0	Finished	2.1s	2	-
13	Split Fields	0	13	13	0	0	0	0	0	Finished	1.8s	7	-
14	Insert / Update_CD	0	13	12	13	0	0	1	0	Finished	2.1s	6	-
15	Split Fields 2	0	12	12	0	0	0	0	0	Finished	1.9s	6	-
16	Insert / Update_DP	0	12	12	12	0	0	0	0	Finished	2.1s	6	-
17	Split Fields 3	0	12	12	0	0	0	0	0	Finished	2.0s	6	-
18	Insert / Update_DS	0	12	12	12	0	0	0	0	Finished	2.2s	6	-
19	Select values 2	0	1	1	0	0	0	0	0	Finished	1.9s	0	-
20	Select values 3	0	0	0	0	0	0	0	0	Finished	2.0s	0	-
21	Select values 4	0	0	0	0	0	0	0	0	Finished	2.1s	0	-
22	Select values 1	0	3	3	0	0	0	0	0	Finished	1.8s	2	-
23	Table input_Time_D	0	0	74	74	0	0	0	0	Finished	0.6s	115	-
24	Sort rows	0	74	74	0	0	0	0	0	Finished	0.5s	137	-
25	Sort rows 2	0	12	12	0	0	0	0	0	Finished	2.1s	6	-
26	Merge Join	0	86	12	0	0	0	0	0	Finished	2.4s	35	-
27	Sort rows 3	0	12	12	0	0	0	0	0	Finished	2.4s	5	-
28	Table input_Time_D_DP	0	0	74	74	0	0	0	0	Finished	0.6s	124	-
29	Sort rows 4	0	74	74	0	0	0	0	0	Finished	0.5s	139	-
30	Merge Join 2	0	86	12	0	0	0	0	0	Finished	2.8s	30	-
31	Table input_Time_D_DS	0	0	74	74	0	0	0	0	Finished	0.6s	115	-
32	Sort rows 6	0	74	74	0	0	0	0	0	Finished	0.5s	137	-
33	Merge Join 2 2	0	86	12	0	0	0	0	0	Finished	3.2s	27	-
34	Sort rows 5	0	12	12	0	0	0	0	0	Finished	2.8s	4	-
35	Calculator	0	12	12	0	0	0	0	0	Finished	3.2s	4	-
36	Data Validator	0	12	8	0	0	0	4	0	Finished	3.2s	4	-
37	Add constants 3	0	4	4	0	0	0	0	0	Finished	3.2s	1	-
38	Add sequence 3	0	4	4	0	0	0	0	0	Finished	3.3s	1	-
39	Table output 3	0	4	4	0	4	0	0	0	Finished	3.5s	1	-

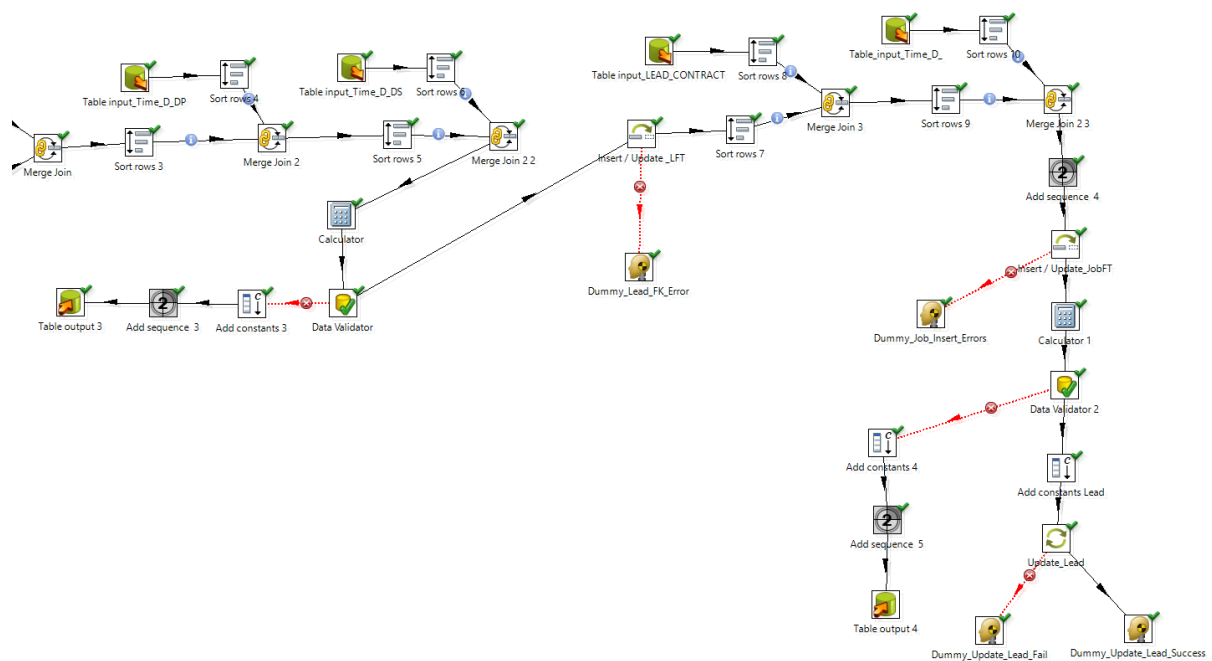
Module 5: Lead validation



Execution Result:

Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	18	18	0	0	0	0	Finished	0.3s	61	-
2	Filter rows	0	18	18	0	0	0	0	0	Finished	0.2s	86	-
3	Add constants	0	2	2	0	0	0	0	0	Finished	0.2s	9	-
4	Add sequence	0	2	2	0	0	0	0	0	Finished	0.3s	6	-
5	Table output	0	2	2	0	2	0	0	0	Finished	0.5s	4	-
6	Insert / Update -LOC	0	16	14	16	0	0	2	0	Finished	1.3s	12	-
7	Insert / Update Cust	0	14	13	14	0	0	1	0	Finished	1.4s	10	-
8	Insert / Update Agent	0	13	13	13	0	0	0	0	Finished	1.4s	9	-
9	Insert / Update SalesClass	0	13	13	13	0	0	0	0	Finished	1.5s	8	-
10	Add sequence 2	0	4	4	0	0	0	0	0	Finished	1.6s	2	-
11	Table output 2	0	4	4	0	4	0	0	0	Finished	1.8s	2	-
12	Add constants 2	0	4	4	0	0	0	0	0	Finished	1.6s	2	-
13	Split Fields	0	13	13	0	0	0	0	0	Finished	1.4s	9	-
14	Insert / Update_CD	0	13	12	13	0	0	1	0	Finished	1.6s	8	-
15	Split Fields 2	0	12	12	0	0	0	0	0	Finished	1.4s	8	-
16	Insert / Update_DP	0	12	12	12	0	0	0	0	Finished	1.6s	7	-
17	Split Fields 3	0	12	12	0	0	0	0	0	Finished	1.5s	8	-
18	Insert / Update_DS	0	12	12	12	0	0	0	0	Finished	1.7s	7	-
19	Select values 2	0	1	1	0	0	0	0	0	Finished	1.4s	1	-
20	Select values 3	0	0	0	0	0	0	0	0	Finished	1.5s	0	-
21	Select values 4	0	0	0	0	0	0	0	0	Finished	1.6s	0	-
22	Select values 1	0	3	3	0	0	0	0	0	Finished	1.4s	2	-
23	Table input_Time_D	0	0	74	74	0	0	0	0	Finished	0.6s	131	-
24	Sort rows	0	74	74	0	0	0	0	0	Finished	0.5s	155	-
25	Sort rows 2	0	12	12	0	0	0	0	0	Finished	1.6s	8	-
26	Merge Join	0	86	12	0	0	0	0	0	Finished	1.9s	44	-
27	Sort rows 3	0	12	12	0	0	0	0	0	Finished	1.9s	6	-
28	Table input_Time_D_DP	0	0	74	74	0	0	0	0	Finished	0.6s	120	-
29	Sort rows 4	0	74	74	0	0	0	0	0	Finished	0.5s	141	-
30	Merge Join 2	0	86	12	0	0	0	0	0	Finished	2.3s	37	-
31	Table input_Time_D_DS	0	0	74	74	0	0	0	0	Finished	0.6s	123	-
32	Sort rows 6	0	74	74	0	0	0	0	0	Finished	0.5s	141	-
33	Merge Join 2 2	0	86	12	0	0	0	0	0	Finished	2.7s	32	-
34	Sort rows 5	0	12	12	0	0	0	0	0	Finished	2.3s	5	-
35	Calculator	0	12	12	0	0	0	0	0	Finished	2.7s	4	-
36	Data Validator	0	12	8	0	0	0	4	0	Finished	2.7s	4	-
37	Add constants 3	0	4	4	0	0	0	0	0	Finished	2.8s	1	-
38	Add sequence 3	0	4	4	0	0	0	0	0	Finished	2.8s	1	-
39	Table output 3	0	4	4	0	4	0	0	0	Finished	3.0s	1	-
40	Sort rows 8	0	40	40	0	0	0	0	0	Finished	0.3s	117	-
41	Merge Join 3	0	47	7	0	0	0	0	0	Finished	3.2s	15	-
42	Sort rows 7	0	7	7	0	0	0	0	0	Finished	2.9s	2	-
43	Table input_LEAD_CONTRACT	0	0	40	40	0	0	0	0	Finished	0.4s	95	-
44	Insert / Update_LFT	0	8	7	8	0	0	1	0	Finished	3.0s	3	-
45	Sort rows 10	0	74	74	0	0	0	0	0	Finished	0.6s	134	-
46	Merge Join 2 3	0	81	7	0	0	0	0	0	Finished	3.6s	23	-
47	Table input_Time_D_	0	0	74	74	0	0	0	0	Finished	0.6s	127	-
48	Sort rows 9	0	7	7	0	0	0	0	0	Finished	3.2s	2	-
49	Add sequence 4	0	7	7	0	0	0	0	0	Finished	3.6s	2	-
50	Insert / Update_JobFT	0	7	7	7	7	0	0	0	Finished	4.1s	2	-
51	Calculator 1	0	7	7	0	0	0	0	0	Finished	4.0s	2	-
52	Data Validator 2	0	7	6	0	0	0	1	0	Finished	4.0s	2	-
53	Add constants 4	0	1	1	0	0	0	0	0	Finished	4.0s	0	-
54	Add sequence 5	0	1	1	0	0	0	0	0	Finished	4.1s	0	-
55	Table output 5	0	1	1	0	1	0	0	0	Finished	4.2s	0	-
56	Add constants Lead	0	6	6	0	0	0	0	0	Finished	4.0s	1	-
57	Update_Lead	0	6	6	6	0	6	0	0	Finished	4.2s	1	-
58	Dummy_Job_Insert_Errors	0	0	0	0	0	0	0	0	Finished	4.0s	0	-
59	Dummy_Lead_FK_Error	0	1	1	0	0	0	0	0	Finished	2.8s	0	-
60	Dummy_Update_Lead_Fail	0	0	0	0	0	0	0	0	Finished	4.1s	0	-
61	Dummy_Update_Lead_Success	0	6	6	0	0	0	0	0	Finished	4.1s	1	-

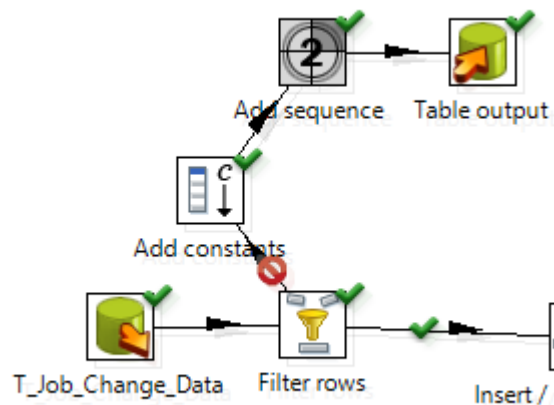
Complete transform design pane part 1:



Complete Execution Result:

Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	600	600	0	0	0	0	Finished	2.8s	216	-
2	Filter rows	0	600	600	0	0	0	0	0	Finished	2.7s	223	-
3	Add constants	0	5	5	0	0	0	0	0	Finished	2.7s	2	-
4	Add sequence	0	5	5	0	0	0	0	0	Finished	2.7s	2	-
5	Table output	0	5	5	0	5	0	0	0	Finished	2.9s	2	-
6	Insert / Update -LOC	0	595	584	595	0	0	11	0	Finished	27.8s	21	-
7	Insert / Update Cust	0	584	578	584	0	0	6	0	Finished	29.2s	20	-
8	Insert / Update Agent	0	578	567	578	0	0	11	0	Finished	29.6s	20	-
9	Insert / Update SalesClass	0	567	555	567	0	0	12	0	Finished	29.7s	19	-
10	Add sequence 2	0	52	52	0	0	0	0	0	Finished	30.0s	2	-
11	Table output 2	0	52	52	0	52	0	0	0	Finished	30.2s	2	-
12	Add constants 2	0	52	52	0	0	0	0	0	Finished	30.0s	2	-
13	Split Fields	0	555	555	0	0	0	0	0	Finished	29.6s	19	-
14	Insert / Update_CD	0	555	551	555	0	0	4	0	Finished	29.9s	18	-
15	Split Fields 2	0	551	551	0	0	0	0	0	Finished	29.8s	18	-
16	Insert / Update_DP	0	551	547	551	0	0	4	0	Finished	30.0s	18	-
17	Split Fields 3	0	547	547	0	0	0	0	0	Finished	29.9s	18	-
18	Insert / Update_DS	0	547	543	547	0	0	4	0	Finished	30.1s	18	-
19	Select values 2	0	4	4	0	0	0	0	0	Finished	29.8s	0	-
20	Select values 3	0	4	4	0	0	0	0	0	Finished	29.9s	0	-
21	Select values 4	0	4	4	0	0	0	0	0	Finished	30.0s	0	-
22	Select values 1	0	40	40	0	0	0	0	0	Finished	29.6s	1	-
23	Table input_Time_D_CD	0	0	1500	1500	0	0	0	0	Finished	6.6s	228	-
24	Sort rows	0	1500	1500	0	0	0	0	0	Finished	6.5s	230	-
25	Sort rows 2	0	543	543	0	0	0	0	0	Finished	30.0s	18	-
26	Merge Join	0	2043	543	0	0	0	0	0	Finished	30.3s	67	-
27	Sort rows 3	0	543	543	0	0	0	0	0	Finished	30.4s	18	-
28	Table input_Time_D_DP	0	0	1500	1500	0	0	0	0	Finished	6.6s	228	-
29	Sort rows 4	0	1500	1500	0	0	0	0	0	Finished	6.5s	229	-
30	Merge Join 2	0	2043	543	0	0	0	0	0	Finished	30.7s	66	-
31	Table input_Time_D_DS	0	0	1500	1500	0	0	0	0	Finished	6.6s	227	-
32	Sort rows 6	0	1500	1500	0	0	0	0	0	Finished	6.5s	229	-
33	Merge Join 2 2	0	2043	543	0	0	0	0	0	Finished	31.1s	66	-
34	Sort rows 5	0	543	543	0	0	0	0	0	Finished	30.7s	18	-
35	Calculator	0	543	543	0	0	0	0	0	Finished	31.1s	17	-
36	Data Validator	0	543	543	0	0	0	0	0	Finished	31.1s	17	-
37	Add constants 3	0	0	0	0	0	0	0	0	Finished	31.1s	0	-
38	Add sequence 3	0	0	0	0	0	0	0	0	Finished	31.2s	0	-
39	Table output 3	0	0	0	0	0	0	0	0	Finished	31.2s	0	-
40	Sort rows 8	0	3600	3600	0	0	0	0	0	Finished	15.9s	226	-
41	Merge Join 3	0	4138	538	0	0	0	0	0	Finished	55.5s	74	-
42	Sort rows 7	0	538	538	0	0	0	0	0	Finished	1mn 0s	9	-
43	Table input_LEAD_CONTRACT	0	0	3600	3600	0	0	0	0	Finished	23.1s	156	-
44	Insert / Update_LFT	0	543	538	543	0	0	5	0	Finished	1mn 0s	9	-
45	Sort rows 10	0	1500	1500	0	0	0	0	0	Finished	13.6s	110	-
46	Merge Join 2 3	0	2038	538	0	0	0	0	0	Finished	1mn 1s	33	-
47	Table input_Time_D_	0	0	1500	1500	0	0	0	0	Finished	13.7s	110	-
48	Sort rows 9	0	538	538	0	0	0	0	0	Finished	1mn 0s	9	-
49	Add sequence 4	0	538	538	0	0	0	0	0	Finished	1mn 26s	6	-
50	Insert / Update_JobFT	0	538	538	538	538	0	0	0	Finished	1mn 50s	5	-
51	Calculator 1	0	538	538	0	0	0	0	0	Finished	1mn 50s	5	-
52	Data Validator 2	0	538	538	0	0	0	0	0	Finished	1mn 50s	5	-
53	Add constants 4	0	0	0	0	0	0	0	0	Finished	1mn 50s	0	-
54	Add sequence 5	0	0	0	0	0	0	0	0	Finished	1mn 50s	0	-
55	Table output 4	0	0	0	0	0	0	0	0	Finished	1mn 50s	0	-
56	Add constants Lead	0	538	538	0	0	0	0	0	Finished	1mn 50s	5	-
57	Update_Lead	0	538	538	538	0	538	0	0	Finished	1mn 51s	5	-
58	Dummy_Job_Insert_Errors	0	0	0	0	0	0	0	0	Finished	1mn 50s	0	-
59	Dummy_Lead_FK_Error	0	5	5	0	0	0	0	0	Finished	1mn 0s	0	-
60	Dummy_Update_Lead_Fail	0	0	0	0	0	0	0	0	Finished	1mn 51s	0	-
61	Dummy_Update_Lead_Success	0	538	538	0	0	0	0	0	Finished	1mn 51s	5	-

Module 1: Null values Validation



Execution Result:

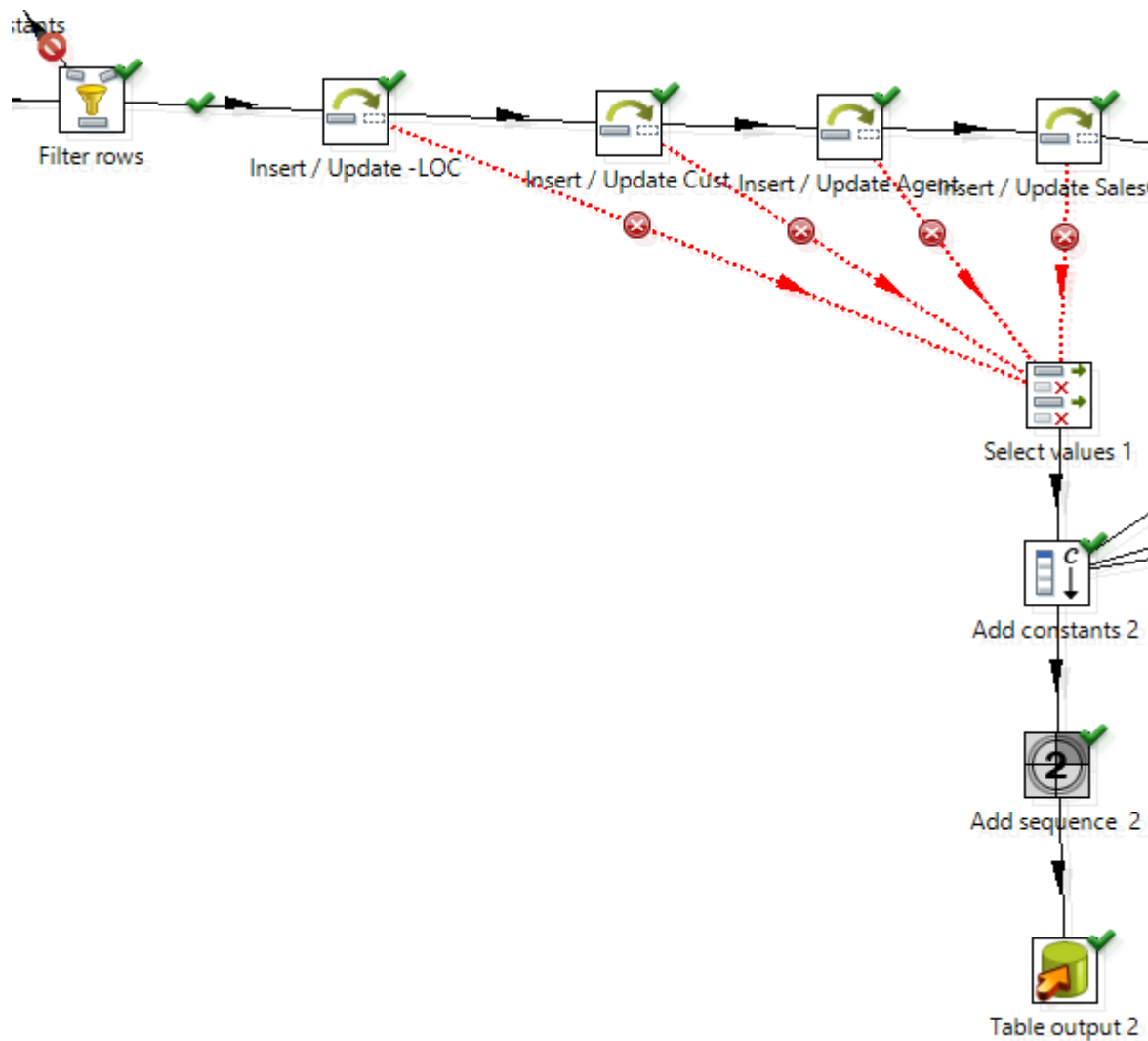
Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	600	600	0	0	0	0	Finished	2.8s	216	-
2	Filter rows	0	600	600	0	0	0	0	0	Finished	2.7s	223	-
3	Add constants	0	5	5	0	0	0	0	0	Finished	2.7s	2	-
4	Add sequence	0	5	5	0	0	0	0	0	Finished	2.7s	2	-
5	Table output	0	5	5	0	5	0	0	0	Finished	2.9s	2	-

Module 2: Foreign key Validation

It was not clear whether to capture Lead_ID FK error. However, we went ahead and captured the FK errors for all the primary key checks. The following screen capture and step metrics are divided into two parts :

- Foreign key Validation excluding Lead_Id error capture into table output 2
Here a dummy (do nothing) step was used to capture the errors.
- Foreign key Validation including Lead_Id error capture into table output 2

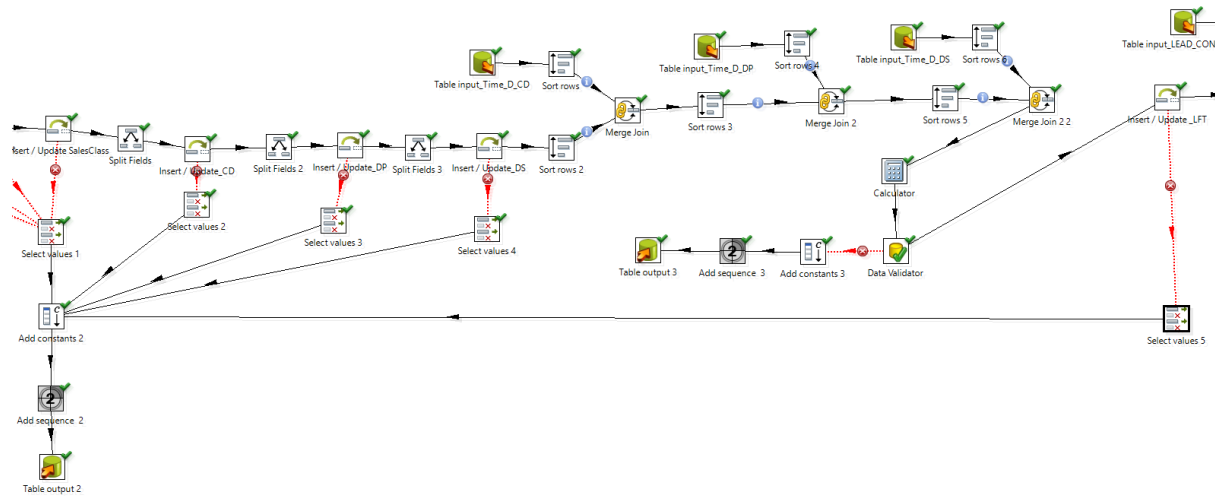
a) Excluding Lead_Id



Execution Result:

Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	W_Job_Change_Data	0	0	600	600	0	0	0	0	Finished	2.9s	205	-
2	Filter rows	0	600	600	0	0	0	0	0	Finished	2.8s	212	-
3	Add constants	0	5	5	0	0	0	0	0	Finished	2.8s	2	-
4	Add sequence	0	5	5	0	0	0	0	0	Finished	2.9s	2	-
5	Table output	0	5	5	0	5	0	0	0	Finished	3.0s	2	-
6	Insert / Update -LOC	0	595	584	595	0	0	11	0	Finished	28.5s	21	-
7	Insert / Update Cust	0	584	578	584	0	0	6	0	Finished	29.7s	20	-
8	Insert / Update Agent	0	578	567	578	0	0	11	0	Finished	30.1s	19	-
9	Insert / Update SalesClass	0	567	555	567	0	0	12	0	Finished	30.3s	19	-
10	Add sequence 2	0	52	52	0	0	0	0	0	Finished	30.9s	2	-
11	Table output 2	0	52	52	0	52	0	0	0	Finished	31.1s	2	-

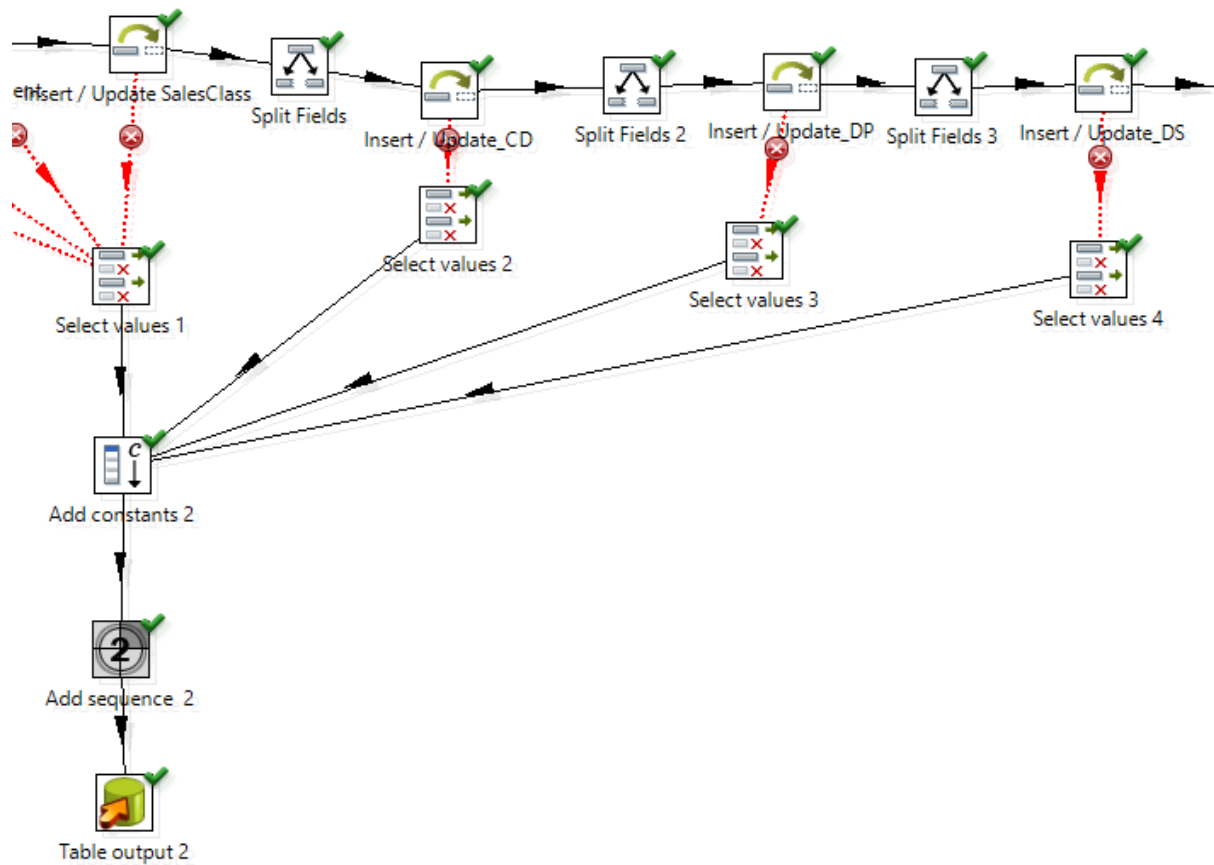
b) Including Lead_Id



Execution Result:

Execution Results														
Execution History Logging Step Metrics Performance Graph Metrics Preview data														
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output	
1	W_Job_Change_Data	0	0	600	600	0	0	0	0	Finished	2.8s	214	-	-
2	Filter rows	0	600	600	0	0	0	0	0	Finished	2.7s	221	-	-
3	Add constants	0	5	5	0	0	0	0	0	Finished	2.7s	2	-	-
4	Add sequence	0	5	5	0	0	0	0	0	Finished	2.8s	2	-	-
5	Table output	0	5	5	0	5	0	0	0	Finished	2.9s	2	-	-
6	Insert / Update -LOC	0	595	584	595	0	0	11	0	Finished	30.7s	19	-	-
7	Insert / Update Cust	0	584	578	584	0	0	6	0	Finished	32.4s	18	-	-
8	Insert / Update Agent	0	578	567	578	0	0	11	0	Finished	32.8s	18	-	-
9	Insert / Update SalesClass	0	567	555	567	0	0	12	0	Finished	33.0s	17	-	-
10	Add sequence 2	0	57	57	0	0	0	0	0	Finished	57.6s	1	-	-
11	Table output 2	0	57	57	0	57	0	0	0	Finished	57.8s	1	-	-
12	Add constants 2	0	57	57	0	0	0	0	0	Finished	57.5s	1	-	-
13	Split Fields	0	555	555	0	0	0	0	0	Finished	32.9s	17	-	-
14	Insert / Update_CD	0	555	551	555	0	0	4	0	Finished	33.2s	17	-	-
15	Split Fields 2	0	551	551	0	0	0	0	0	Finished	33.1s	17	-	-
16	Insert / Update_DP	0	551	547	551	0	0	4	0	Finished	33.3s	16	-	-
17	Split Fields 3	0	547	547	0	0	0	0	0	Finished	33.3s	16	-	-
18	Insert / Update_DS	0	547	543	547	0	0	4	0	Finished	33.4s	16	-	-
19	Select values 2	0	4	4	0	0	0	0	0	Finished	33.1s	0	-	-
20	Select values 3	0	4	4	0	0	0	0	0	Finished	33.2s	0	-	-
21	Select values 4	0	4	4	0	0	0	0	0	Finished	33.3s	0	-	-
22	Select values 1	0	40	40	0	0	0	0	0	Finished	32.9s	1	-	-
23	Table input_Time_D_CD	0	0	1500	1500	0	0	0	0	Finished	6.8s	221	-	-
24	Sort rows	0	1500	1500	0	0	0	0	0	Finished	6.7s	224	-	-
25	Sort rows 2	0	543	543	0	0	0	0	0	Finished	33.3s	16	-	-
26	Merge Join	0	2043	543	0	0	0	0	0	Finished	33.6s	61	-	-
27	Sort rows 3	0	543	543	0	0	0	0	0	Finished	33.7s	16	-	-
28	Table input_Time_D_DP	0	0	1500	1500	0	0	0	0	Finished	6.8s	221	-	-
29	Sort rows 4	0	1500	1500	0	0	0	0	0	Finished	6.7s	224	-	-
30	Merge Join 2	0	2043	543	0	0	0	0	0	Finished	34.0s	60	-	-
31	Table input_Time_D_DS	0	0	1500	1500	0	0	0	0	Finished	6.8s	221	-	-
32	Sort rows 6	0	1500	1500	0	0	0	0	0	Finished	6.7s	224	-	-
33	Merge Join 2 2	0	2043	543	0	0	0	0	0	Finished	34.4s	59	-	-
34	Sort rows 5	0	543	543	0	0	0	0	0	Finished	34.0s	16	-	-
35	Calculator	0	543	543	0	0	0	0	0	Finished	34.4s	16	-	-
36	Data Validator	0	543	543	0	0	0	0	0	Finished	34.4s	16	-	-
37	Add constants 3	0	0	0	0	0	0	0	0	Finished	34.4s	0	-	-
38	Add sequence 3	0	0	0	0	0	0	0	0	Finished	34.5s	0	-	-
39	Table output 3	0	0	0	0	0	0	0	0	Finished	34.5s	0	-	-
40	Sort rows 8	0	3600	3600	0	0	0	0	0	Finished	18.0s	200	-	-
41	Merge Join 3	0	4138	538	0	0	0	0	0	Finished	57.9s	72	-	-

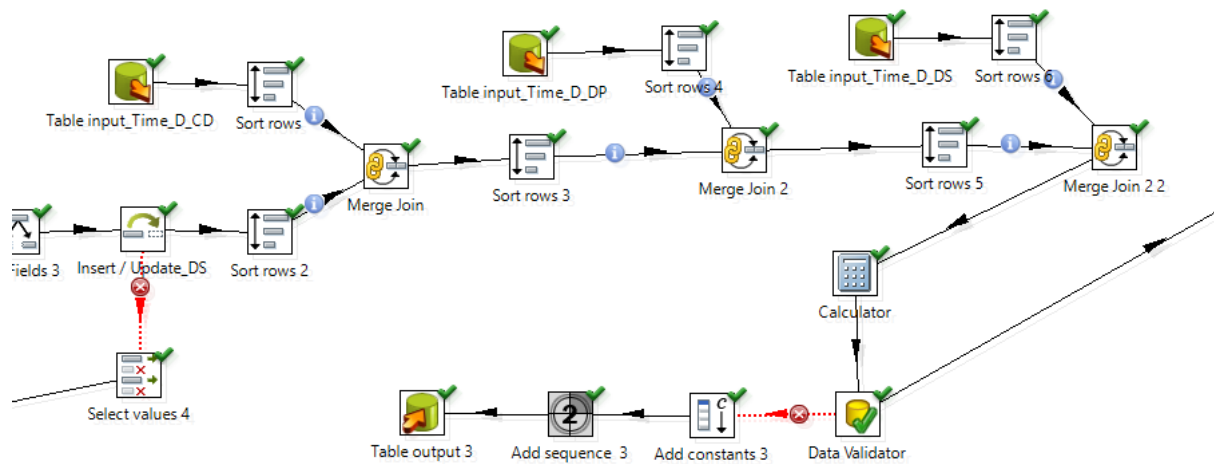
Module 3: Date Validation



Execution Result:

Execution Results														
Execution History Logging Step Metrics Performance Graph Metrics Preview data														
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output	
1	T_Job_Change_Data	0	0	600	600	0	0	0	0	Finished	2.8s	216	-	
2	Filter rows	0	600	600	0	0	0	0	0	Finished	2.7s	223	-	
3	Add constants	0	5	5	0	0	0	0	0	Finished	2.7s	2	-	
4	Add sequence	0	5	5	0	0	0	0	0	Finished	2.7s	2	-	
5	Table output	0	5	5	0	5	0	0	0	Finished	2.9s	2	-	
6	Insert / Update -LOC	0	595	584	595	0	0	11	0	Finished	27.8s	21	-	
7	Insert / Update Cust	0	584	578	584	0	0	6	0	Finished	29.2s	20	-	
8	Insert / Update Agent	0	578	567	578	0	0	11	0	Finished	29.6s	20	-	
9	Insert / Update SalesClass	0	567	555	567	0	0	12	0	Finished	29.7s	19	-	
10	Add sequence 2	0	52	52	0	0	0	0	0	Finished	30.0s	2	-	
11	Table output 2	0	52	52	0	52	0	0	0	Finished	30.2s	2	-	
12	Add constants 2	0	52	52	0	0	0	0	0	Finished	30.0s	2	-	
13	Split Fields	0	555	555	0	0	0	0	0	Finished	29.6s	19	-	
14	Insert / Update_CD	0	555	551	555	0	0	4	0	Finished	29.9s	18	-	
15	Split Fields 2	0	551	551	0	0	0	0	0	Finished	29.8s	18	-	
16	Insert / Update_DP	0	551	547	551	0	0	4	0	Finished	30.0s	18	-	
17	Split Fields 3	0	547	547	0	0	0	0	0	Finished	29.9s	18	-	
18	Insert / Update_DS	0	547	543	547	0	0	4	0	Finished	30.1s	18	-	
19	Select values 2	0	4	4	0	0	0	0	0	Finished	29.8s	0	-	
20	Select values 3	0	4	4	0	0	0	0	0	Finished	29.9s	0	-	
21	Select values 4	0	4	4	0	0	0	0	0	Finished	30.0s	0	-	
22	Select values 1	0	40	40	0	0	0	0	0	Finished	29.6s	1	-	

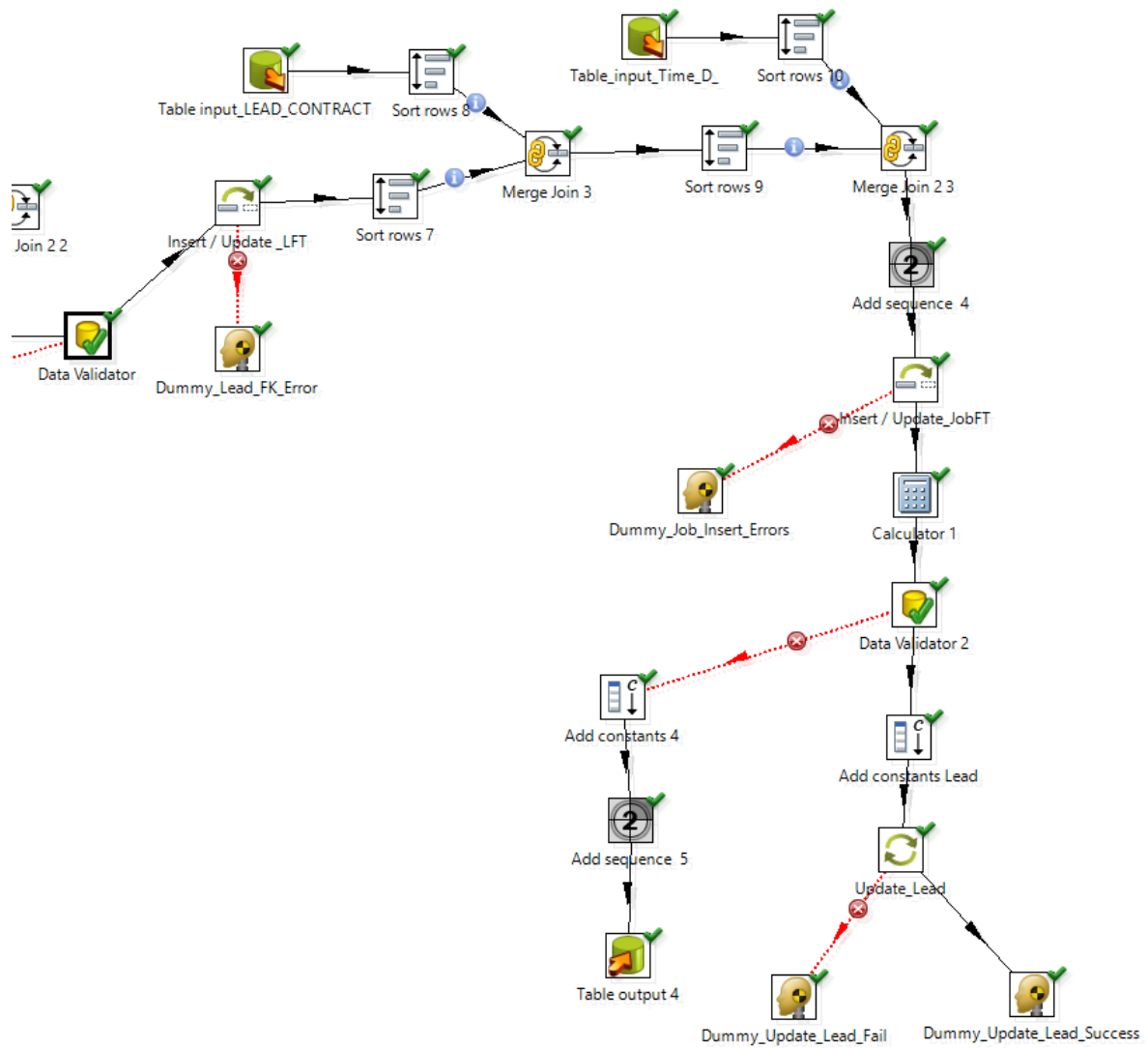
Module 4: Business day differences



Execution Result:

Execution Results													
Execution History Logging Step Metrics Performance Graph Metrics Preview data													
#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	600	600	0	0	0	0	Finished	2.8s	216	-
2	Filter rows	0	600	600	0	0	0	0	0	Finished	2.7s	223	-
3	Add constants	0	5	5	0	0	0	0	0	Finished	2.7s	2	-
4	Add sequence	0	5	5	0	0	0	0	0	Finished	2.7s	2	-
5	Table output	0	5	5	0	5	0	0	0	Finished	2.9s	2	-
6	Insert / Update -LOC	0	595	584	595	0	0	11	0	Finished	27.8s	21	-
7	Insert / Update Cust	0	584	578	584	0	0	6	0	Finished	29.2s	20	-
8	Insert / Update Agent	0	578	567	578	0	0	11	0	Finished	29.6s	20	-
9	Insert / Update SalesClass	0	567	555	567	0	0	12	0	Finished	29.7s	19	-
10	Add sequence 2	0	52	52	0	0	0	0	0	Finished	30.0s	2	-
11	Table output 2	0	52	52	0	52	0	0	0	Finished	30.2s	2	-
12	Add constants 2	0	52	52	0	0	0	0	0	Finished	30.0s	2	-
13	Split Fields	0	555	555	0	0	0	0	0	Finished	29.6s	19	-
14	Insert / Update_CD	0	555	551	555	0	0	4	0	Finished	29.9s	18	-
15	Split Fields 2	0	551	551	0	0	0	0	0	Finished	29.8s	18	-
16	Insert / Update_DP	0	551	547	551	0	0	4	0	Finished	30.0s	18	-
17	Split Fields 3	0	547	547	0	0	0	0	0	Finished	29.9s	18	-
18	Insert / Update_DS	0	547	543	547	0	0	4	0	Finished	30.1s	18	-
19	Select values 2	0	4	4	0	0	0	0	0	Finished	29.8s	0	-
20	Select values 3	0	4	4	0	0	0	0	0	Finished	29.9s	0	-
21	Select values 4	0	4	4	0	0	0	0	0	Finished	30.0s	0	-
22	Select values 1	0	40	40	0	0	0	0	0	Finished	29.6s	1	-
23	Table input_Time_D_CD	0	0	1500	1500	0	0	0	0	Finished	6.6s	228	-
24	Sort rows	0	1500	1500	0	0	0	0	0	Finished	6.5s	230	-
25	Sort rows 2	0	543	543	0	0	0	0	0	Finished	30.0s	18	-
26	Merge Join	0	2043	543	0	0	0	0	0	Finished	30.3s	67	-
27	Sort rows 3	0	543	543	0	0	0	0	0	Finished	30.4s	18	-
28	Table input_Time_D_DP	0	0	1500	1500	0	0	0	0	Finished	6.6s	228	-
29	Sort rows 4	0	1500	1500	0	0	0	0	0	Finished	6.5s	229	-
30	Merge Join 2	0	2043	543	0	0	0	0	0	Finished	30.7s	66	-
31	Table input_Time_D_DS	0	0	1500	1500	0	0	0	0	Finished	6.6s	227	-
32	Sort rows 6	0	1500	1500	0	0	0	0	0	Finished	6.5s	229	-
33	Merge Join 2 2	0	2043	543	0	0	0	0	0	Finished	31.1s	66	-
34	Sort rows 5	0	543	543	0	0	0	0	0	Finished	30.7s	18	-
35	Calculator	0	543	543	0	0	0	0	0	Finished	31.1s	17	-
36	Data Validator	0	543	543	0	0	0	0	0	Finished	31.1s	17	-
37	Add constants 3	0	0	0	0	0	0	0	0	Finished	31.1s	0	-
38	Add sequence 3	0	0	0	0	0	0	0	0	Finished	31.2s	0	-
39	Table output 3	0	0	0	0	0	0	0	0	Finished	31.2s	0	-

Module 5: Lead validation



Execution Result:

Execution Results

[Execution History](#)
[Logging](#)
[Step Metrics](#)
[Performance Graph](#)
[Metrics](#)
[Preview data](#)

#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	T_Job_Change_Data	0	0	600	600	0	0	0	0	Finished	2.8s	216	-
2	Filter rows	0	600	600	0	0	0	0	0	Finished	2.7s	223	-
3	Add constants	0	5	5	0	0	0	0	0	Finished	2.7s	2	-
4	Add sequence	0	5	5	0	0	0	0	0	Finished	2.7s	2	-
5	Table output	0	5	5	0	5	0	0	0	Finished	2.9s	2	-
6	Insert / Update -LOC	0	595	584	595	0	0	11	0	Finished	27.8s	21	-
7	Insert / Update Cust	0	584	578	584	0	0	6	0	Finished	29.2s	20	-
8	Insert / Update Agent	0	578	567	578	0	0	11	0	Finished	29.6s	20	-
9	Insert / Update SalesClass	0	567	555	567	0	0	12	0	Finished	29.7s	19	-
10	Add sequence 2	0	52	52	0	0	0	0	0	Finished	30.0s	2	-
11	Table output 2	0	52	52	0	52	0	0	0	Finished	30.2s	2	-
12	Add constants 2	0	52	52	0	0	0	0	0	Finished	30.0s	2	-
13	Split Fields	0	555	555	0	0	0	0	0	Finished	29.6s	19	-
14	Insert / Update_CD	0	555	551	555	0	0	4	0	Finished	29.9s	18	-
15	Split Fields 2	0	551	551	0	0	0	0	0	Finished	29.8s	18	-
16	Insert / Update_DP	0	551	547	551	0	0	4	0	Finished	30.0s	18	-
17	Split Fields 3	0	547	547	0	0	0	0	0	Finished	29.9s	18	-
18	Insert / Update_DS	0	547	543	547	0	0	4	0	Finished	30.1s	18	-
19	Select values 2	0	4	4	0	0	0	0	0	Finished	29.8s	0	-
20	Select values 3	0	4	4	0	0	0	0	0	Finished	29.9s	0	-
21	Select values 4	0	4	4	0	0	0	0	0	Finished	30.0s	0	-
22	Select values 1	0	40	40	0	0	0	0	0	Finished	29.6s	1	-
23	Table input_Time_D_CD	0	0	1500	1500	0	0	0	0	Finished	6.6s	228	-
24	Sort rows	0	1500	1500	0	0	0	0	0	Finished	6.5s	230	-
25	Sort rows 2	0	543	543	0	0	0	0	0	Finished	30.0s	18	-
26	Merge Join	0	2043	543	0	0	0	0	0	Finished	30.3s	67	-
27	Sort rows 3	0	543	543	0	0	0	0	0	Finished	30.4s	18	-
28	Table input_Time_D_DP	0	0	1500	1500	0	0	0	0	Finished	6.6s	228	-
29	Sort rows 4	0	1500	1500	0	0	0	0	0	Finished	6.5s	229	-
30	Merge Join 2	0	2043	543	0	0	0	0	0	Finished	30.7s	66	-
31	Table input_Time_D_DS	0	0	1500	1500	0	0	0	0	Finished	6.6s	227	-
32	Sort rows 6	0	1500	1500	0	0	0	0	0	Finished	6.5s	229	-
33	Merge Join 2 2	0	2043	543	0	0	0	0	0	Finished	31.1s	66	-
34	Sort rows 5	0	543	543	0	0	0	0	0	Finished	30.7s	18	-
35	Calculator	0	543	543	0	0	0	0	0	Finished	31.1s	17	-
36	Data Validator	0	543	543	0	0	0	0	0	Finished	31.1s	17	-
37	Add constants 3	0	0	0	0	0	0	0	0	Finished	31.1s	0	-
38	Add sequence 3	0	0	0	0	0	0	0	0	Finished	31.2s	0	-
39	Table output 3	0	0	0	0	0	0	0	0	Finished	31.2s	0	-
40	Sort rows 8	0	3600	3600	0	0	0	0	0	Finished	15.9s	226	-
41	Merge Join 3	0	4138	538	0	0	0	0	0	Finished	55.5s	74	-
42	Sort rows 7	0	538	538	0	0	0	0	0	Finished	1mn 0s	9	-
43	Table input_LEAD_CONTRACT	0	0	3600	3600	0	0	0	0	Finished	23.1s	156	-
44	Insert / Update_LFT	0	543	538	543	0	0	5	0	Finished	1mn 0s	9	-
45	Sort rows 10	0	1500	1500	0	0	0	0	0	Finished	13.6s	110	-
46	Merge Join 2 3	0	2038	538	0	0	0	0	0	Finished	1mn 1s	33	-
47	Table input_Time_D_	0	0	1500	1500	0	0	0	0	Finished	13.7s	110	-
48	Sort rows 9	0	538	538	0	0	0	0	0	Finished	1mn 0s	9	-
49	Add sequence 4	0	538	538	0	0	0	0	0	Finished	1mn 26s	6	-
50	Insert / Update_JobFT	0	538	538	538	538	0	0	0	Finished	1mn 50s	5	-
51	Calculator 1	0	538	538	0	0	0	0	0	Finished	1mn 50s	5	-
52	Data Validator 2	0	538	538	0	0	0	0	0	Finished	1mn 50s	5	-
53	Add constants 4	0	0	0	0	0	0	0	0	Finished	1mn 50s	0	-
54	Add sequence 5	0	0	0	0	0	0	0	0	Finished	1mn 50s	0	-
55	Table output 4	0	0	0	0	0	0	0	0	Finished	1mn 50s	0	-
56	Add constants Lead	0	538	538	0	0	0	0	0	Finished	1mn 50s	5	-
57	Update_Lead	0	538	538	538	0	538	0	0	Finished	1mn 51s	5	-
58	Dummy_Job_Insert_Errors	0	0	0	0	0	0	0	0	Finished	1mn 50s	0	-
59	Dummy_Lead_FK_Error	0	5	5	0	0	0	0	0	Finished	1mn 0s	0	-
60	Dummy_Update_Lead_Fail	0	0	0	0	0	0	0	0	Finished	1mn 51s	0	-
61	Dummy_Update_Lead_Success	0	538	538	0	0	0	0	0	Finished	1mn 51s	5	-