Incremental Loading – Informatica

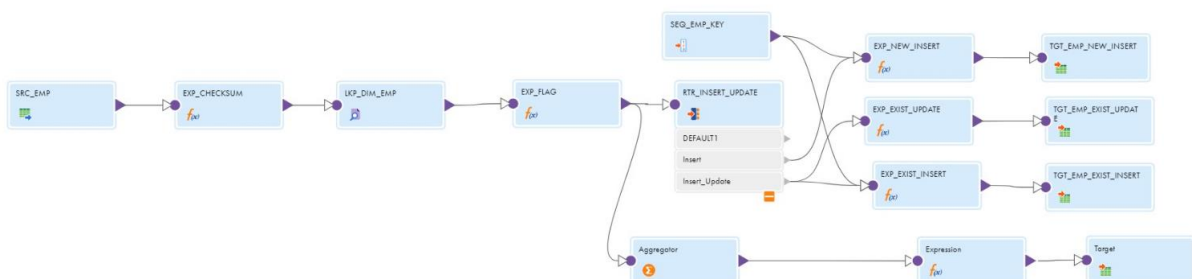## Task 3

SRC File:

	A	B	C
1	emp	salary	date
2	1	100	01/01/22
3	2	200	01/01/22
4	3	505	01/01/22
5	1	100	02/01/22
6	2	200	02/01/22
7	3	500	02/01/22
8	4	45	02/01/22
9	1	100	05/01/22
10	2	205	05/01/22
11	3	300	05/01/22
12	5	22	05/01/22
13			

TGT DB:

```
SELECT * FROM TASK_3_BBI;
```

Script Output ×   Query Result ×

SQL | All Rows Fetched: 0 in 0.002 seconds

EMP	SALARY	START_D...	END_DATE	EMP_KEY	CHECKSUM
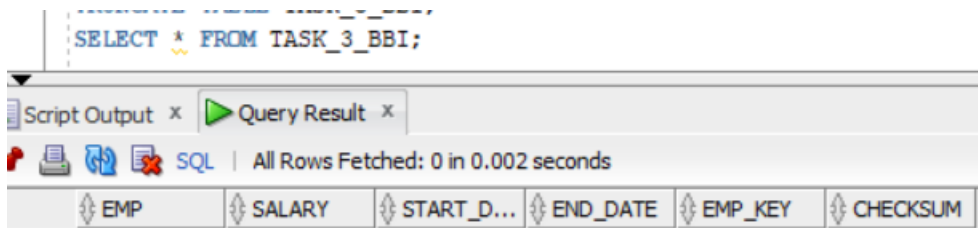
Mapping incremental_loading_task and adding it to a mapping task:

And in the input parameter I passed the parameter name which is in a .param file:

Edit Run_Task_3

① Definition   ② Input Parameters   ③ Sequences   ④ Schedule

Other Parameter Details

INCR_FILTER:* $$INCR_FILTER

This is the .param file with the parameter INCR_FILTER it will be overridden with each run using the following .bat file:

cust_incremental.param ✕

```
1    $$INCR_FILTER=01/01/22
```

param_file_check.bat ✕

```
1    @echo off
2    cd C:\Program Files\Informatica Cloud Secure Agent\tgt
3    set file="cust_incremental_tgt.txt"
4    set maxbytesize=1
5
6    FOR /F "usebackq" %%A IN ('%file%') DO set size=%%~zA
7
8    if %size% LSS %maxbytesize% (
9        echo.File is ^< %maxbytesize% bytes
10   ) ELSE (
11       echo.File is ^>= %maxbytesize% bytes
12   copy "C:\Program Files\Informatica Cloud Secure Agent\tgt\cust_incremental_tgt.txt" "C:\Program Files\Informatica Cloud Secure Agent\Param\cust_incremental.param"
13   )
```

And adding the parameter file and the post-processing .bat file to the scheduling options:

Edit Run_Task_3

① Definition   ② Input Parameters   ③ Sequences   ④ Schedule

Advanced Options

Pre-Processing Commands:

Post-Processing Commands: "C:\Program Files\Informatica Cloud Secure Agent\param_file_check.bat"

Maximum Number of Log Files:*   10

Schema Change Handling: ⦿ Asynchronous (Default)
                          ◯ Dynamic

Parameter File Location

Download Parameter File Template

⦿ Local
Parameter File Directory   C:\Program Files\Informatica Cloud Secure Agent\
Parameter File Name   cust_incremental.param
◯ Cloud Hosted

First Run:

```
SELECT * FROM TASK_3_BBI;
```

Script Output × | Query Result ×

SQL | All Rows Fetched: 3 in 0.002 seconds

	EMP	SALARY	START_DATE	END_DATE	EMP_KEY	CHECKSUM
1	1	100	01-JAN-22	(null)	1	35FF4C73626DCD384564F9A426BC6B22
2	2	200	01-JAN-22	(null)	2	81D7E7A278F8F99387AB7E6FACBF78CB
3	3	505	01-JAN-22	(null)	3	4DAB8185A02A575AA4682A03A11B2F98

And the parameter file is increasing a day with each run automatically:

cust_incremental.param ×

```
1   $$INCR_FILTER=02/01/22
2
```

Second Run:

```
TRUNCATE TABLE TASK_3_BBI;
SELECT * FROM TASK_3_BBI;
```

Script Output × | Query Result ×

SQL | All Rows Fetched: 7 in 0.003 seconds

	EMP	SALARY	START_DATE	END_DATE	EMP_KEY	CHECKSUM
1	4	45	02-JAN-22	(null)	4	C098D456AC6A3AC465838555C39B0A43
2	1	100	02-JAN-22	(null)	5	0206234DBA275BF11B99940BF4D17CF2
3	2	200	02-JAN-22	(null)	6	05EAFFFDAF6F0B3EFCAC9243D6F7CD90
4	3	500	02-JAN-22	(null)	7	497E12BBA969A0ED1D696498BD8515F1
5	1	100	01-JAN-22	02-DEC-21	1	0206234DBA275BF11B99940BF4D17CF2
6	2	200	01-JAN-22	02-DEC-21	2	05EAFFFDAF6F0B3EFCAC9243D6F7CD90
7	3	505	01-JAN-22	02-DEC-21	3	497E12BBA969A0ED1D696498BD8515F1

Third Run (No change as there is no data for 03/01/22):

	EMP	SALARY	START_DATE	END_DATE	EMP_KEY	CHECKSUM
1	4	45	02-JAN-22	(null)	4	C098D456AC6A3AC465838555C39B0A43
2	1	100	02-JAN-22	(null)	5	0206234DBA275BF11B99940BF4D17CF2
3	2	200	02-JAN-22	(null)	6	05EAFFFDAF6F0B3EFCAC9243D6F7CD90
4	3	500	02-JAN-22	(null)	7	497E12BBA969A0ED1D696498BD8515F1
5	1	100	01-JAN-22	02-DEC-21	1	0206234DBA275BF11B99940BF4D17CF2
6	2	200	01-JAN-22	02-DEC-21	2	05EAFFFDAF6F0B3EFCAC9243D6F7CD90
7	3	505	01-JAN-22	02-DEC-21	3	497E12BBA969A0ED1D696498BD8515F1

Fourth Run (No change as there is no data for 04/01/22):

	EMP	SALARY	START_DATE	END_DATE	EMP_KEY	CHECKSUM
1	4	45	02-JAN-22	(null)	4	C098D456AC6A3AC465838555C39B0A43
2	1	100	02-JAN-22	(null)	5	0206234DBA275BF11B99940BF4D17CF2
3	2	200	02-JAN-22	(null)	6	05EAFFFDAF6F0B3EFCAC9243D6F7CD90
4	3	500	02-JAN-22	(null)	7	497E12BBA969A0ED1D696498BD8515F1
5	1	100	01-JAN-22	02-DEC-21	1	0206234DBA275BF11B99940BF4D17CF2
6	2	200	01-JAN-22	02-DEC-21	2	05EAFFFDAF6F0B3EFCAC9243D6F7CD90
7	3	505	01-JAN-22	02-DEC-21	3	497E12BBA969A0ED1D696498BD8515F1

Fifth Run:

	EMP	SALARY	START_DATE	END_DATE	EMP_KEY	CHECKSUM
1	4	45	02-JAN-22	(null)	4	C098D456AC6A3AC465838555C39B0A43
2	1	100	02-JAN-22	(null)	5	0206234DBA275BF11B99940BF4D17CF2
3	2	200	02-JAN-22	(null)	6	05EAFFFDAF6F0B3EFCAC9243D6F7CD90
4	3	500	02-JAN-22	(null)	7	497E12BBA969A0ED1D696498BD8515F1
5	5	22	05-JAN-22	(null)	8	2651732A199DC1E71161D367CFB7029A
6	1	100	05-JAN-22	(null)	9	7DB439E853CE78E79E8C2EB18991C285
7	2	205	05-JAN-22	(null)	10	4801E7333B523CAF030AC460790D7EB6
8	3	300	05-JAN-22	(null)	11	571F46E5FAEF956DBDAB6FB600F68161
9	1	100	01-JAN-22	05-DEC-21	1	7DB439E853CE78E79E8C2EB18991C285
10	2	200	01-JAN-22	05-DEC-21	2	4801E7333B523CAF030AC460790D7EB6
11	3	505	01-JAN-22	05-DEC-21	3	571F46E5FAEF956DBDAB6FB600F68161