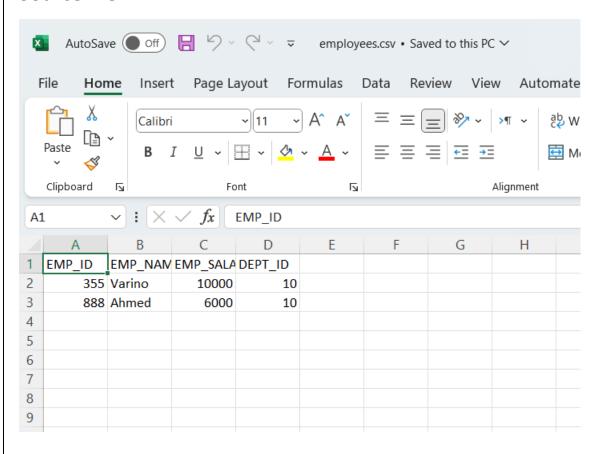
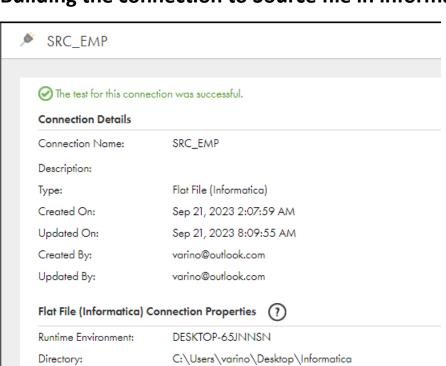
SCD Informatica

SCD_1:

Source file:



Building the connection to Source file in informatica:

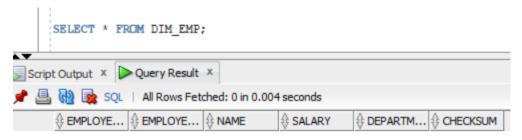


MM/dd/yyyy HH:mm:ss

UTF-8

Date Format: Code Page:

Destination DB:



Building connection with destination on informatica:



Oracle (miorinalica)

Created On: Sep 21, 2023 3:07:05 AM

Sep 21, 2023 9:17:34 AM Updated On:

Created By: varino@outlook.com

Updated By: varino@outlook.com

Oracle (Informatica) Connection Properties ?



Runtime Environment: DESKTOP-65JNNSN

Oracle Subtype: Oracle On-premise

Oracle Database Authentication Authentication Mode:

User Name: varino

****** Password:

Host: localhost

1521 Port:

Service Name: XE

Schema:

Code Page: UTF-8

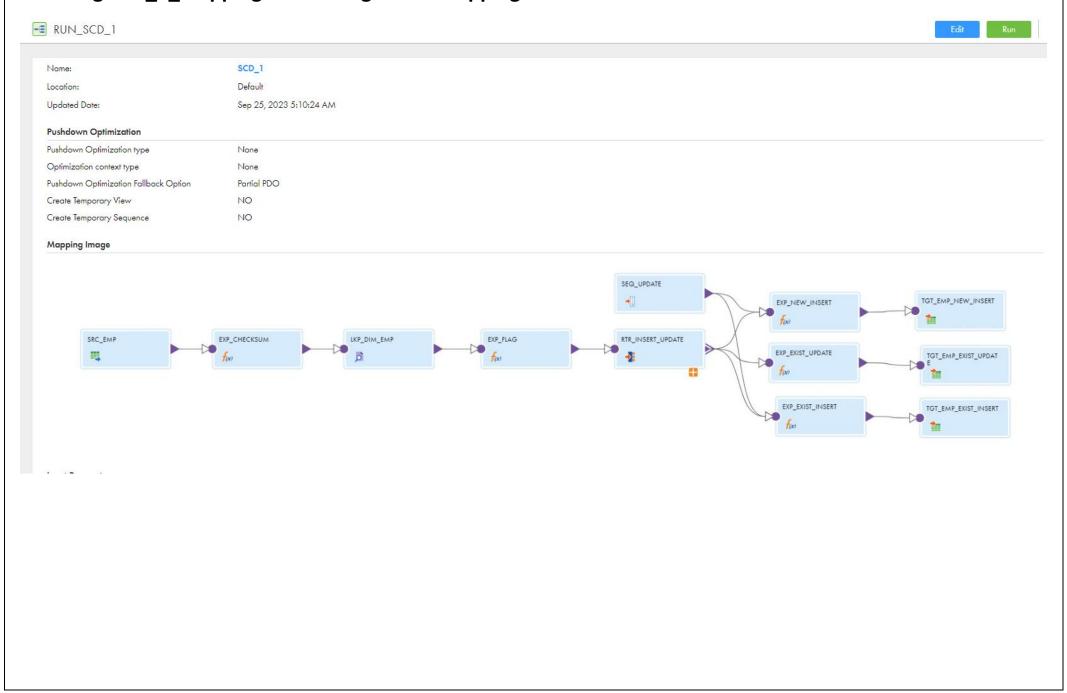
Encryption Method: No Encryption

Crypto Protocol Version: TLSv1

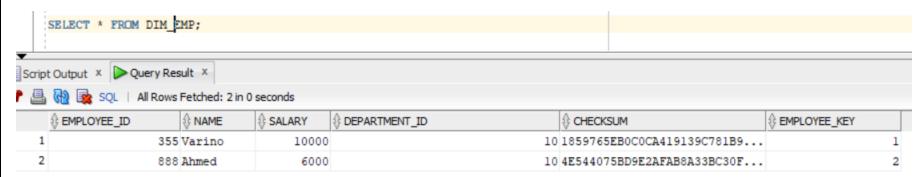
Validate Server Certificate: True

Trust Store:

Creating SCD_1_mapping and adding it to a Mapping task:



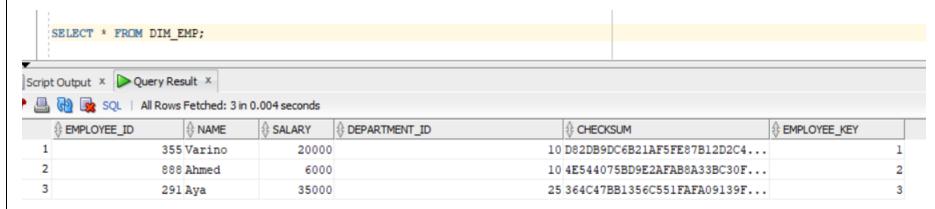
First Run of SCD_1:



Changing the salary for Varino and adding new employee to the source:

Α	В	С	D	
EMP_ID	EMP_NAM	EMP_SALA	DEPT_ID	
355	Varino	20000	10	
888	Ahmed	6000	10	
291	Aya	35000	25	

And by running SCD_1 task again it worked successfully:

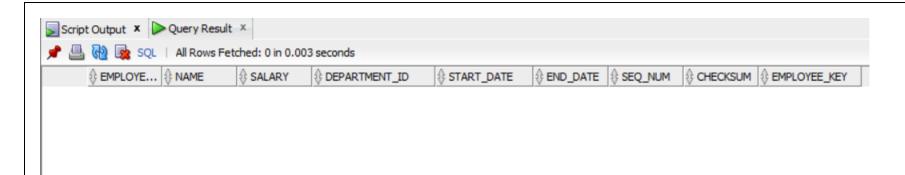


SCD_2:

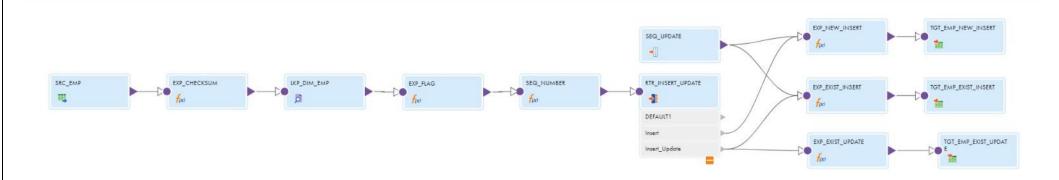
Source file:

	Α	В	С	D
1	EMP_ID	EMP_NAM	EMP_SALA	DEPT_ID
2	355	Varino	3500	10
3	888	Ahmed	10000	15
4				
5				
<u>_</u>				

Target DB:



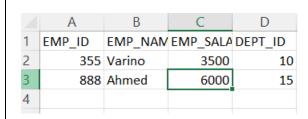
Creating SCD_2 mapping and adding it to a mapping task:



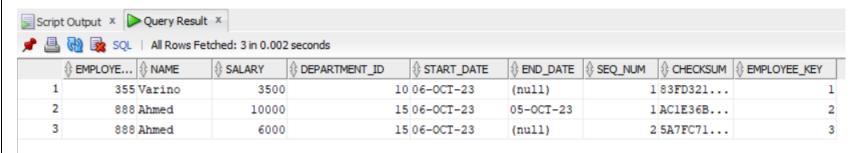
First Run:

		NAME	SALARY		START_DATE		\$ SEQ_NUM		
1	355	Varino	3500	10	06-OCT-23	(null)	1	83FD321	1
2	888	Ahmed	10000	15	06-OCT-23	(null)	1	AC1E36B	2

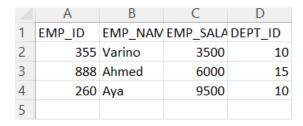
Changing salary for Ahmed to 6000 and run again the mapping task:



The old value -> end_date is set to the previous day and inserting the new value with a null end_date:



Inserting new employee Aya and running the mapping task again:

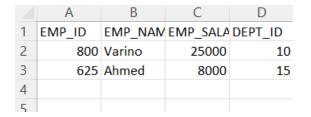


And this is the target db now:

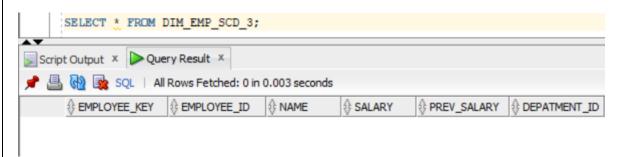
-	EMPLOYE	NAME							
1	355	Varino	3500	10	06-OCT-23	(null)	1	83FD321	1
2	888	Ahmed	10000	15	06-OCT-23	05-0CT-23	1	AC1E36B	2
3	888	Ahmed	6000	15	06-OCT-23	(null)	2	5A7FC71	3
4	260	Aya	9500	10	06-OCT-23	(null)	1	30C9449	4

SCD_3:

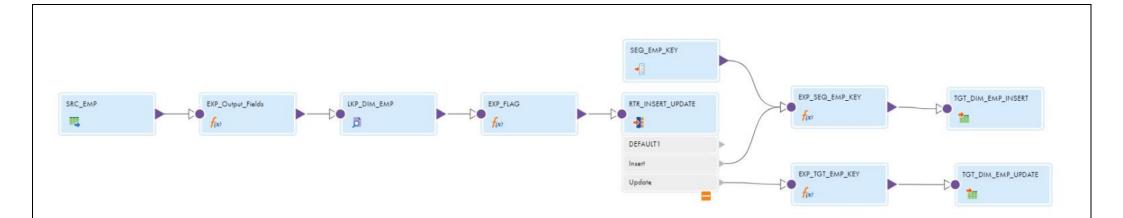
Source file:



TGT DB:



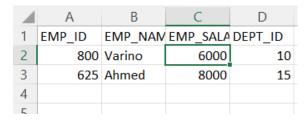
Mapping SCD_3 and adding it to the mapping task:



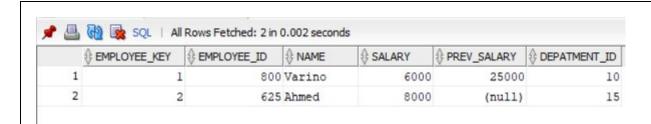
First Run:



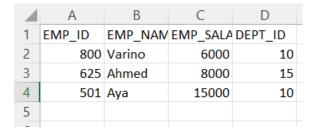
Changing the salary for Varino to 6000 and run the mapping task again:



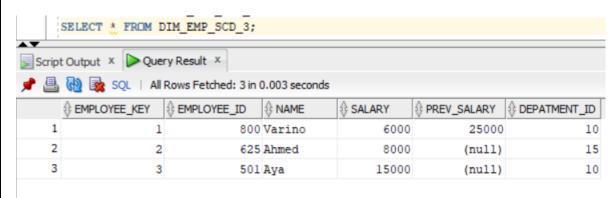
Second Run:



Adding new emp Aya and running it again:

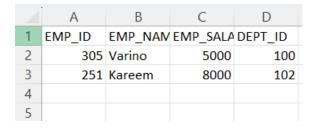


Third Run:

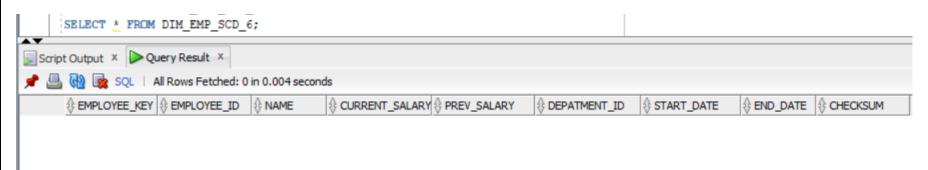


SCD_6:

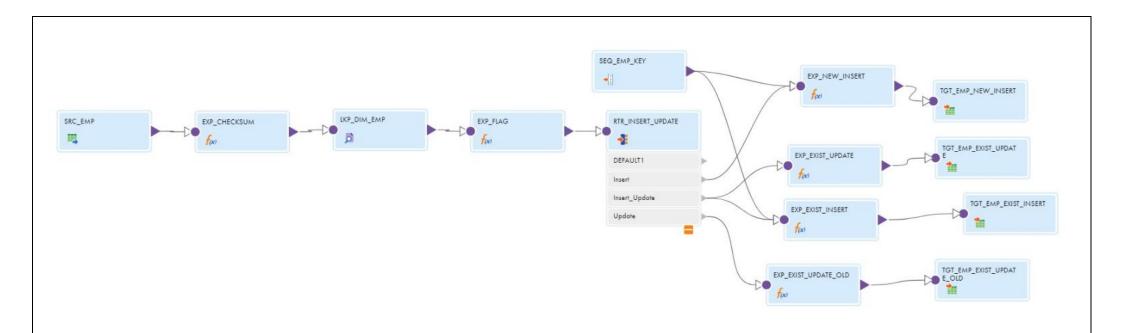
Source file:



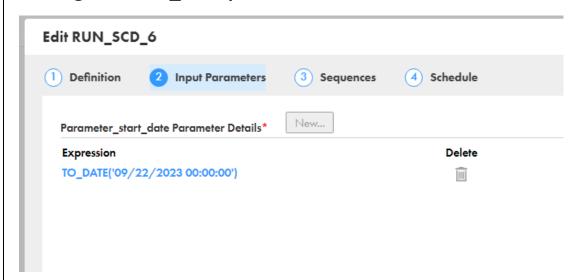
TGT DB:



SCD_6_Mapping and adding it to a mapping task:



Setting the start_date parameter:



First Run:

_	THE THE PARTY OF T									
	EMPLOYEE_KEY	EMPLOYEE_ID	NAME	CURRENT_SALARY		DEPATMENT_ID	START_DATE			
1	1	305	Varino	5000	5000	100	22-SEP-23	31-DEC-99	6F05DB95F3	
2	2	251	Kareem	8000	8000	102	22-SEP-23	31-DEC-99	2D3ABA39B8	

Changing the salary for varino to 12500 and run the mapping task again:

	Α	В	С	D	
1	EMP_ID	EMP_NAM	EMP_SALA	DEPT_ID	
2	305	Varino	12500	100	
3	251	Kareem	8000	102	
4					
5					
_					

Second Run:

			∜ NAME			DEPATMENT_ID			
1	1	305	Varino	12500	5000	100	22-SEP-23	22-SEP-23	6F05DB95F3
2	2	251	Kareem	8000	8000	102	22-SEP-23	31-DEC-99	2D3ABA39B8
3	3	305	Varino	12500	12500	100	22-SEP-23	31-DEC-99	C65F81825A

Adding new emp Aya:

	/ \	U	_		
1	EMP_ID	EMP_NAM	EMP_SALA	DEPT_ID	
2	305	Varino	12500	100	
3	251	Kareem	8000	102	
4	150	Aya	6000	105	
5					

Third Run:

	EMPLOYEE_KEY		NAME	CURRENT_SALARY			\$ START_DATE	END_DATE	
1	1	305	Varino	12500	5000	100	22-SEP-23	22-SEP-23	6F05DB95F3
2	2	251	Kareem	8000	8000	102	22-SEP-23	31-DEC-99	2D3ABA39B8
3	3	305	Varino	12500	12500	100	22-SEP-23	31-DEC-99	C65F81825A
4	4	150	Aya	6000	6000	105	22-SEP-23	31-DEC-99	F5A9CA000C