

Slowly Changing Dimension Wizard

Select a Dimension Table and Keys

Select a dimension table to load and map columns in the transformation input to columns in the dimension table.

Connection manager:  
rewansolution.database.windows.net.nasreen.rewan

New...

Table or view:  
[+] [rtn] Nasreen\_FA\_1.nasAnnual\_SCD2.tbl

Input Columns	Dimension Columns	Key Type
ApprovalDate	ApprovalDate	Not a key column
ApprovalFY	ApprovalFY	Not a key column
BalanceGross	BalanceGross	Not a key column
Bank	Bank	Not a key column
BankState	BankState	Not a key column
ChgOffDate	ChgOffDate	Not a key column
ChgOffPrinGr	ChgOffPrinGr	Not a key column
City	City	Not a key column
CreateJob	CreateJob	Not a key column
Disbursemen...	DisbursementDate	Not a key column
Disbursemen...	DisbursementGross	Not a key column
End_date		
FranchiseCode	FranchiseCode	Not a key column
GrAppv	GrAppv	Not a key column
LoanNr_Chk...	LoanNr_ChkDgt	Business key
LowDoc	LowDoc	Not a key column
MIS_Status	MIS_Status	Not a key column
NAICS	NAICS	Not a key column
Name	Name	Not a key column
NewExst	NewExst	Not a key column
NoEmp	NoEmp	Not a key column
RetainedJob	RetainedJob	Not a key column
RevLineCr	RevLineCr	Not a key column
SBA_Appv	SBA_Appv	Not a key column
Start_date		

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Finish >>

Cancel

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7:36 PM  
10/9/2022

Slowly Changing Dimension Wizard

Slowly Changing Dimension Columns

Manage the changes to column data in your slowly changing dimensions by setting the change type for dimension columns.

Fixed Attribute

Select this type when the value in a column should not change. Changes are treated as errors.

Changing Attribute

Select this type when changed values should overwrite existing values. This is a Type 1 change.

Historical Attribute

Select this type when changes in column values are saved in new records. Previous values are saved in records marked as outdated. This is a Type 2 change.

Select a change type for slowly changing dimension columns.

Dimension Columns	Change Type
State	Historical att...
City	Historical att...
Name	Historical att...

Remove

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Cancel

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Slowly Changing Dimension Wizard

### Historical Attribute Options

You can record historical attributes using a single column or start and end date columns.

☐ Use a single column to show current and expired records

Column to indicate current record:  
Value when current:  
Expiration value:

☒ Use start and end dates to identify current and expired records

Start date column:  
End date column:  
  
Variable to set date values:

Start\_date

End\_date

System.ContainerStartTime

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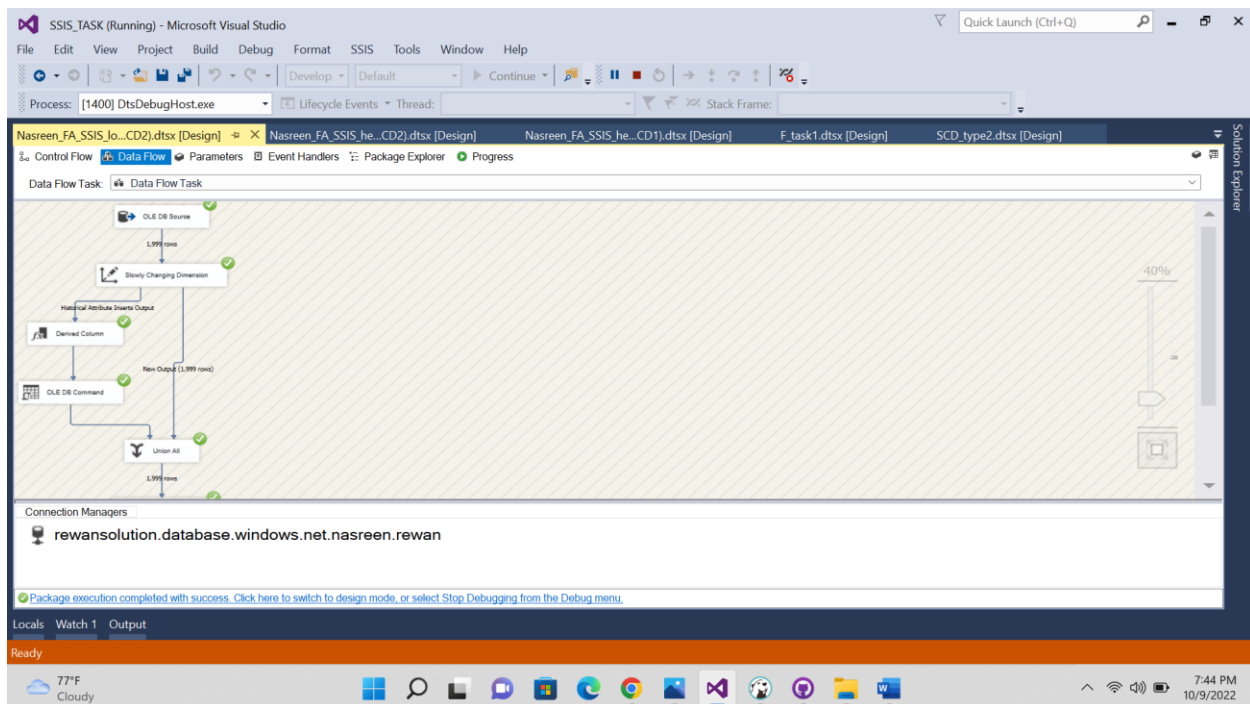
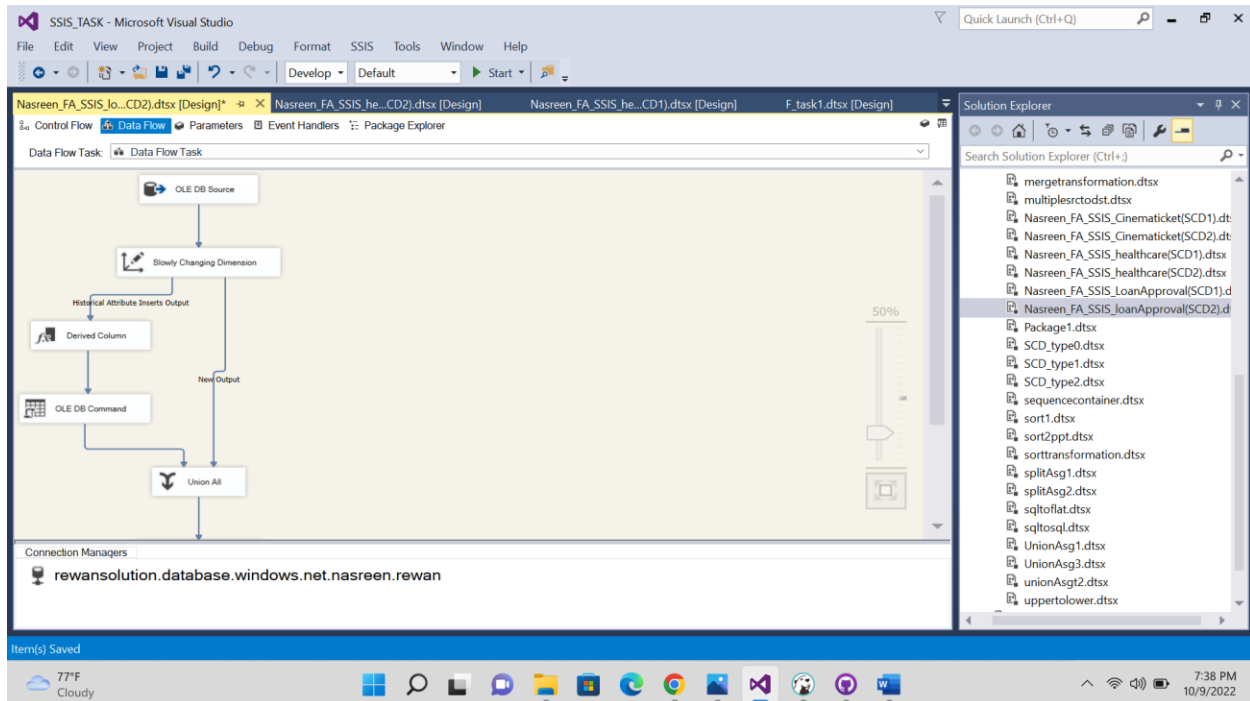
Finish >>

Cancel

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^  
Wi-Fi  
Speaker  
Battery

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10/9/2022



SSIS\_TASK (Running) - Microsoft Visual Studio

File Edit View Project Build Debug Format SSIS Tools Window Help

Process: [1400] DtsDebugHost.exe

Control Flow Data Flow Parameters Event Handlers Package Explorer Progress

Data Flow Task: Data Flow Task

Derived Column

OLE DB Command

Union All

Derived Column 1

Insert Destination

Connection Managers

rewansolution.database.windows.net.nasreen.rewan

Package execution completed with success. Click here to switch to design mode, or select Stop Debugging from the Debug menu.

Locals Watch 1 Output

Ready

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DBaiver 22.2.0 - <nasreen> Loan

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

nasreen - rewansolution.database.windows.net:1433

oracle-88094-0.cloudclusters.net - oracle-88094-0

SQL

```

update Nasreen_FA_LoanApproval set name='Fayaz',city='Siruguppa',State='Karnataka'
where LoanNr_ChkDgt=1000014003;

select * from Nasreen_FA_LoanApproval

```

Results 1 x

select \* from Nasreen\_FA\_LoanApproval

LoanNr_ChkDgt	Name	City	State	Zip	Bank	BankState	NAIC
1,000,014,003	Fayaz	Siruguppa	Karnataka	47,711	FIFTH THIRD BANK	OH	45
1,000,024,006	LANDMARK BAR & GRILLE (THE)	NEW PARIS	IN	46,526	1ST SOURCE BANK	IN	72
1,000,034,009	WHITLOCK DDS, TODD M.	BLOOMINGTON	IN	47,401	GRANT COUNTY STATE BANK	IN	62
1,000,044,001	BIG BUCKS PAWN & JEWELRY, LLC	BROKEN ARROW	OK	74,012	1ST NATL BK & TR CO OF BROKEN	OK	
1,000,054,004	ANASTASIA CONFECTIONS, INC.	ORLANDO	FL	32,801	FLORIDA BUS. DEVEL CORP	FL	
1,000,084,002	B&T SCREW MACHINE COMPANY, INC	PLAINVILLE	CT	6,062	TD BANK, NATIONAL ASSOCIATION	DE	33
1,000,093,009	MIDDLE ATLANTIC SPORTS CO INC	UNION	NJ	7,083	WELLS FARGO BANK NATL ASSOC	SD	
1,000,094,005	WEAVER PRODUCTS	SUMMERFIELD	FL	34,491	REGIONS BANK	AL	81
1,000,104,006	TURTLE BEACH INN	PORT SAINT JOE	FL	32,456	CENTENNIAL BANK	FL	72
1,000,124,001	INTEXT BUILDING SYS LLC	GLASTONBURY	CT	6,073	WEBSTER BANK NATL ASSOC	CT	
1,000,134,004	COMMERCIAL TRUCKING MAINTENANC	CHARLOTTE	NC	28,256	SUNTRUST BANK	GA	81

Save Cancel Script

IST en Writable

Smart Insert

39:1 [115]

200 Rows: 1 200 row(s) fetched - 242ms (49ms fetch), on 2022-11

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7:50 PM 10/9/2022

SSIS\_TASK (Running) - Microsoft Visual Studio

File Edit View Project Build Debug Format SSIS Tools Window Help

Process: [17736] DtsDebugHost.exe

LifeCycle Events Thread: Stack Frame:

Nasreen\_FA\_SSIS\_Jo...CD2).dtsx [Design] Nasreen\_FA\_SSIS\_he...CD1).dtsx [Design] F\_task1.dtsx [Design] SCD\_type2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Progress

Data Flow Task Data Flow Task

```

graph TD
    D1[Derived Column] -- 1 row --> U[Union All]
    D2[OLE DB Command] -- 1 row --> U
    U -- 1 row --> D3[Derived Column 1]
    D3 -- 1 row --> ID[Insert Destination]
  
```

Connection Managers

rewansolution.database.windows.net.nasreen.rewan

Package execution completed with success. Click here to switch to design mode, or select Stop Debugging from the Debug menu.

Locals Watch 1 Output

Ready

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DBaiver 22.2.0 - <nasreen> Loan

File Edit Navigate Search SQL Editor Database Window Help

Auto nasreen dbo@nasreen SSIS nasreen modu IICS dlithe Script-5

Database Navigator Projects

Enter a part of object name here

- dlithe - rewansolution.database.windows.net:1433
- nasreen - rewansolution.database.windows.net:1433
- oracle-88094-0.cloudclusters.net - oracle-88094-0

```

[ChgOffDate] datetime,
[DisbursementDate] datetime,
[DisbursementGross] nvarchar(255),
[BalanceGross] nvarchar(255),
[MIS_Status] nvarchar(255),
[ChgOffPrinGr] nvarchar(255),
[GrAppv] nvarchar(255),
[SBA_Appv] nvarchar(255)
)

select * from Nasreen_FA_LoanApproval_SCD2_trg
  
```

Results 1

select \* from Nasreen\_FA\_LoanApproval\_SCD2\_trg

LoanNr	ChkDgt	Name	City	State	Zip	Bank	BankState	NA
1992	1,013,375,001	NORTHLAKE PARTNERS, INC.	MIDDLETON	WI	53,562	ASSOCIATED BANK NATL ASSOC	WI	4c
1993	1,013,395,007	Medical Gas Testing Services,	COLLIERVILLE	TN	38,017	BANK OF AMERICA NATL ASSOC	NC	5c
1994	1,013,405,008	Carbon Filtration Systems Inc.	JOHNSTON	RI	2,919	WEBSTER BANK NATL ASSOC	CT	5c
1995	1,013,415,000	Cyril Holdings, Inc. dba Jacad	Wellesley	MA	2,482	TD BANK NATIONAL ASSOCIATION	DE	4c
1996	1,013,425,003	Schoch, Christopher dba Coloni	CAMILLUS	NY	13,031	MANUFACTURERS & TRADERS TR CI	NY	1c
1997	1,013,445,009	Bare Cove Home Improvements, L	CHURCHTON	MD	20,733	BANK OF AMERICA NATL ASSOC	NC	2c
1998	1,013,465,004	Wike Insurance Services, Inc.	CLEARWATER	FL	33,756	BANK OF AMERICA NATL ASSOC	NC	5c
1999	1,013,495,002	Toluca Foods, Inc.	FOREST PARK	GA	30,297	BANK OF AMERICA NATL ASSOC	NC	4c
2000	1,013,475,007	Office Plus & Systems Inc.	MIAMI SPRINGS	FL	33,166	BANK OF AMERICA NATL ASSOC	NC	4c
2001	1,000,014,003	nasreen	Siruguppa	Karnataka	47,711	FIFTH THIRD BANK	OH	4c

Save Cancel Script 200 2,001 Rows: 1 2001 row(s) fetched - 434ms (151ms fetch), on 2022

IST en Writable Smart Insert 113 : 37 : 2978 Set: 0 | 0

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8:04 PM 10/9/2022