

## 1. Excel Data

Spoon - SSEXcelTest\_Banquil\_Etienne (changed)

File Edit View Action Tools Help

View Design

Search

Generate rows  
Get data from XML  
Get file names  
Get files rows count  
Get repository names  
Get subfolder names  
Get s  
Get t  
Goog  
HL7  
JSON  
LDAP  
LDIF  
Load  
Micro  
Micro  
Mon  
OLAP  
Prop  
RSS  
S3 CS  
SAS  
Sales  
Table input  
Text file input  
XBase input  
XML input stream (STAX)  
YAML input

SSEXcelTest\_Banquil\_Etienne

100%

SSEXcelData\_Banquil\_Etienne

Examine preview data

Rows of step: SSEXcelData\_Banquil\_Etienne (12 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year
1	111	1111.00	1111.00	C0954327	S1010398	I0036577	1	2	2010
2	222	2222.00	2222.00	C8654390	S9432910	I0036566	3	7	2013
3	333	3333.00	3333.00	C9128574	S0954327	I0036566	1	5	2013
4	444	4444.00	4444.00	C9403348	S0954327	I0036577	1	2	2011
5	101	1001.00	1001.00	C0954327	S9432910	I0036577	3	7	2013
6	202	2002.00	2002.00	<null>	S0954327	I0036566	1	5	2011
7	303	3003.00	3003.00	C9128574	S0954327	I0036566	1	2	2010
8	404	4004.00	4004.00	C9403348	<null>	I0036577	3	7	2013
9	121	4224.00	4224.00	C0954327	S0954327	I0036566	1	5	2011
10	232	2332.00	2332.00	C8654390	S0954327	I0036566	1	2	2015
11	323	3223.00	3223.00	C9128574	S9432910	I0036577	3	7	2013
12	434	4334.00	4334.00	C9403348	S0954327	I9999999	3	7	2013

Close

Filter Row (Excel Data)

Spoon - SSExcelTest\_Banquil\_Etienne (changed)

File Edit View Action Tools Help

View Design

Search

Input  
Output  
Streaming  
Transform  
Utility  
Flow

SSExcelData\_Banquil\_Etienne

Filter rows\_Banquil\_Etienne

Examine preview data

Rows of step: Filter rows\_Banquil\_Etienne (10 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year
1	111	1111.00	1111.00	C0954327	S1010398	10036577	1	2	2010
2	222	2222.00	2222.00	C8654390	S9432910	10036566	3	7	2013
3	333	3333.00	3333.00	C9128574	S0954327	10036566	1	5	2013
4	444	4444.00	4444.00	C9403348	S0954327	10036577	1	2	2011
5	101	1001.00	1001.00	C0954327	S9432910	10036577	3	7	2013
6	303	3003.00	3003.00	C9128574	S0954327	10036566	1	2	2010
7	121	4224.00	4224.00	C0954327	S0954327	10036566	1	5	2011
8	232	2332.00	2332.00	C8654390	S0954327	10036566	1	2	2015
9	323	3223.00	3223.00	C9128574	S9432910	10036577	3	7	2013
10	434	4334.00	4334.00	C9403348	S0954327	19999999	3	7	2013

Close

Sort Row 1(Excel Data)

Spoon - SSEXcelTest\_Banquil\_Etienne (changed)

File Edit View Action Tools Help

View Design

sort row

Input  
Output  
Streaming  
Transform  
Sort rows  
Utility  
Flow  
ETL metadata injection

SSEXcelData\_Banquil\_Etienne

Filter rows\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne

Examine preview data

Rows of step: Sort rows\_Banquil\_Etienne (10 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year
1	111	1111.00	1111.00	C0954327	S1010398	I0036577	1	2	2010
2	303	3003.00	3003.00	C9128574	S0954327	I0036566	1	2	2010
3	444	4444.00	4444.00	C9403348	S0954327	I0036577	1	2	2011
4	232	2332.00	2332.00	C8654390	S0954327	I0036566	1	2	2015
5	121	4224.00	4224.00	C0954327	S0954327	I0036566	1	5	2011
6	333	3333.00	3333.00	C9128574	S0954327	I0036566	1	5	2013
7	222	2222.00	2222.00	C8654390	S9432910	I0036566	3	7	2013
8	101	1001.00	1001.00	C0954327	S9432910	I0036577	3	7	2013
9	323	3223.00	3223.00	C9128574	S9432910	I0036577	3	7	2013
10	434	4334.00	4334.00	C9403348	S0954327	I9999999	3	7	2013

Close

## SSTimeDim

IBM Cloud

Source list / b2-nz Active

Manage  
Getting started  
Service credentials

Spoon - SSEXcelTest\_Banquil\_Etienne (changed)

File Edit View Action Tools Help

View Design

table

Input  
Get table names  
Table input  
Output  
Delete

SSExcelData\_Banquil\_Etienne

Filter rows\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne

SSTimeDim\_Banquil\_Etienne

Examine preview data

Rows of step: SSTimeDim\_Banquil\_Etienne (16 rows)

#	TIMEID	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR	TIMEDAYOFWEEK	TIMEFISCALYEAR
1	1	1	2	1	2010	2	2010
2	2	1	5	2	2010	4	2010
3	3	3	7	3	2010	3	2010
4	4	4	10	4	2010	2	2010
5	5	1	2	1	2011	2	2011
6	6	1	5	2	2011	4	2011
7	7	3	7	3	2011	3	2011
8	8	4	10	4	2011	2	2011
9	9	1	2	1	2012	2	2012
10	10	1	5	2	2012	4	2012
11	11	3	7	3	2012	3	2012
12	12	4	10	4	2012	2	2012
13	13	1	2	1	2013	2	2013
14	14	1	5	2	2013	4	2013
15	15	3	7	3	2013	3	2013
16	16	4	10	4	2013	2	2013

Close

Table input

Step name: SSTimeDim\_Banquil\_Etienne

Connection: DB2Connection

SQL

```
SELECT * FROM SSTimeDim
```

Line 1 Column 0

Store column info in step meta ☐

Enable lazy conversion ☐

Replace variables in script? ☐

Execution History

Step Metrics

Results

>48 - SSExcelTest\_Banquil\_Etienne - Dispatch  
>49 - SSTimeDim\_Banquil\_Etienne.0 - Finish  
>49 - SSExcelData\_Banquil\_Etienne.0 - Finish  
>49 - Filter rows\_Banquil\_Etienne.0 - Finish  
>49 - Sort rows\_Banquil\_Etienne.0 - Finish  
>49 - SSTimeDim\_Banquil\_Etienne.0 - Finish  
>49 - Spoon - The transformation has finished

## Sort Row 2 (SSTimeDim)

SSExcelTest\_Banquil\_Etienne

SSExcelData\_Banquil\_Etienne → Filter rows\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 1

SSTimeDim\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 2 → Merge join 1\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 4

Examine preview data

Rows of step: Sort rows\_Banquil\_Etienne 2 (16 rows)

#	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR	TIMEDAYOFWEEK	TIMEFISCALYEAR
1	1	1	2	1	2010	2	2010
2	5	1	2	1	2011	2	2011
3	9	1	2	1	2012	2	2012
4	13	1	2	1	2013	2	2013
5	2	1	5	2	2010	4	2010
6	6	1	5	2	2011	4	2011
7	10	1	5	2	2012	4	2012
8	14	1	5	2	2013	4	2013
9	3	3	7	3	2010	3	2010
10	7	3	7	3	2011	3	2011
11	11	3	7	3	2012	3	2012
12	15	3	7	3	2013	3	2013
13	4	4	10	4	2010	2	2010
14	8	4	10	4	2011	2	2011
15	12	4	10	4	2012	2	2012
16	16	4	10	4	2013	2	2013

Close

2024/10/18 13:29:10 - Sort rows\_Banquil\_Etienne 8.0 - Finished processing (I=0, O=0, R=8, W=8, U=0, E=0)

## Merge Join 1 (SSTimeDim)

Spoon - SSExcelTest\_Banquil\_Etienne (changed)

File Edit View Action Tools Help

Connect

View Design

join

Input  
Output  
Streaming  
Transform  
Utility  
Flow  
ETL metadata injection  
Scripting  
Pentaho Server  
Lookup

SSExcelData\_Banquil\_Etienne → Filter rows\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne → Merge join 1\_Banquil\_Etienne

SSTimeDim\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 2 → Merge join 1\_Banquil\_Etienne

Examine preview data

Rows of step: Merge join 1\_Banquil\_Etienne (9 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR	TIMEDAYOFWEEK	TIMEFISCALYEAR
1	111	1111.00	1111.00	C0954327	S1010398	I0036577	1	2	2010	1	1	2	1	2010	2	2010
2	303	3003.00	3003.00	C9128574	S0954327	I0036566	1	2	2010	1	1	2	1	2010	2	2010
3	444	4444.00	4444.00	C9403348	S0954327	I0036577	1	2	2011	5	1	2	1	2011	2	2011
4	121	4224.00	4224.00	C0954327	S0954327	I0036566	1	5	2011	6	1	5	2	2011	4	2011
5	333	3333.00	3333.00	C9128574	S0954327	I0036566	1	5	2013	14	1	5	2	2013	4	2013
6	222	2222.00	2222.00	C8654390	S9432910	I0036566	3	7	2013	15	3	7	3	2013	3	2013
7	101	1001.00	1001.00	C0954327	S9432910	I0036577	3	7	2013	15	3	7	3	2013	3	2013
8	323	3223.00	3223.00	C9128574	S9432910	I0036577	3	7	2013	15	3	7	3	2013	3	2013
9	434	4334.00	4334.00	C9403348	S0954327	I9999999	3	7	2013	15	3	7	3	2013	3	2013

Close

## SSItem

Spoon - SSEXcelTest\_Banquil\_Etienne

File Edit View Action Tools Help

View Design

merge

- Input
- Output
  - Synchronize after merge
  - Streaming
  - Transform
  - Utility
- Flow
  - ETL metadata injection
  - Scripting
  - Pentaho Server
  - Lookup
- Joins
  - Merge join
  - Merge rows (diff)
  - Multway merge join
  - Sorted merge
- Data Warehouse
- Validation
- Statistics
- Big Data
- Cryptography
- Job
- Mapping
- Bulk loading
- Inline
- Experimental
- Deprecated
- History

Examine preview data

Rows of step: SSItem\_Banquil\_Etienne (10 rows)

#	ITEMID	ITEMNAME	ITEMBRAND	ITEMCATEGORY	ITEMUNITPRICE
1	I0036566	17 inch Color Monitor	ColorMeg, Inc.	Electronics	169.0
2	I0036577	19 inch Color Monitor	ColorMeg, Inc.	Electronics	319.0
3	I1114590	R3000 Color Laser Printer	Connex	Printing	699.0
4	I1412138	10 Foot Printer Cable	Ethlite	Computer Accessories	12.0
5	I1445671	8-Outlet Surge Protector	Intersafe	Computer Accessories	14.99
6	I1556678	CVP Ink Jet Color Printer	Connex	Printing	99.0
7	I3455443	Color Ink Jet Cartridge	Connex	Printing	38.0
8	I4201044	36-Bit Color Scanner	UV Components	Scanning	199.99
9	I6677900	Black Ink Jet Cartridge	Connex	Printing	25.69
10	I9995676	Battery Back-up System	Cybercx	Computer Accessories	89.0

## Sort Row 3 (SSItem)

Spoon - SSEXcelTest\_Banquil\_Etienne

File Edit View Action Tools Help

View Design

merge

- Input
- Output
  - Synchronize after merge
  - Streaming
  - Transform
  - Utility
- Flow
  - ETL metadata injection
  - Scripting
  - Pentaho Server
  - Lookup
- Joins
  - Merge join
  - Merge rows (diff)
  - Multway merge join
  - Sorted merge
- Data Warehouse
- Validation
- Statistics
- Big Data
- Cryptography
- Job
- Mapping
- Bulk loading
- Inline
- Experimental
- Deprecated
- History

Examine preview data

Rows of step: Sort rows\_Banquil\_Etienne 3 (10 rows)

#	ITEMID	ITEMNAME	ITEMBRAND	ITEMCATEGORY	ITEMUNITPRICE
1	I0036566	17 inch Color Monitor	ColorMeg, Inc.	Electronics	169.0
2	I0036577	19 inch Color Monitor	ColorMeg, Inc.	Electronics	319.0
3	I1114590	R3000 Color Laser Printer	Connex	Printing	699.0
4	I1412138	10 Foot Printer Cable	Ethlite	Computer Accessories	12.0
5	I1445671	8-Outlet Surge Protector	Intersafe	Computer Accessories	14.99
6	I1556678	CVP Ink Jet Color Printer	Connex	Printing	99.0
7	I3455443	Color Ink Jet Cartridge	Connex	Printing	38.0
8	I4201044	36-Bit Color Scanner	UV Components	Scanning	199.99
9	I6677900	Black Ink Jet Cartridge	Connex	Printing	25.69
10	I9995676	Battery Back-up System	Cybercx	Computer Accessories	89.0

## Merge Join 2 (SSItem)

Spoon - SSExcelTest\_Banquil\_Etienne (changed)

File Edit View Action Tools Help

View Design

merge

Input

Output

Synchronize after merge

Streaming

Transform

Utility

Flow

ETL metadata injection

Scripting

Pentaho Server

Lookup

Joins

Merge join

Merge rows (diff)

Multway merge join

Sorted merge

Data Warehouse

Validation

Statistics

Big Data

Cryptography

Job

Mapping

Bulk loading

Inline

Experimental

Deprecated

History

Sorted merge

Execution Results

Logging Execution History

2024/10/18 13:13:42 - SSExcelData\_Banquil\_Etienne

2024/10/18 13:13:42 - Filter rows\_Banquil\_Etienne

2024/10/18 13:13:42 - Sort rows\_Banquil\_Etienne 1

2024/10/18 13:13:42 - Merge join 1\_Banquil\_Etienne

2024/10/18 13:13:42 - Sort rows\_Banquil\_Etienne 4

2024/10/18 13:13:42 - SSTimeDim\_Banquil\_Etienne

2024/10/18 13:13:42 - Sort rows\_Banquil\_Etienne 2

2024/10/18 13:13:42 - SSItem\_Banquil\_Etienne

2024/10/18 13:13:42 - Sort rows\_Banquil\_Etienne 3

2024/10/18 13:13:42 - Merge join 2\_Banquil\_Etienne

2024/10/18 13:13:43 - Spoon - SSExcelTest\_Banquil\_Etienne

Examine preview data

Rows of step: Merge join 2\_Banquil\_Etienne (8 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year	TIMENO	TIMEDAY	TIMEMONTH
1	303	3003.00	3003.00	C9128574	S0954327	I0036566	1	2	2010	1	1	2
2	121	4224.00	4224.00	C0954327	S0954327	I0036566	1	5	2011	6	1	5
3	333	3333.00	3333.00	C9128574	S0954327	I0036566	1	5	2013	14	1	5
4	222	2222.00	2222.00	C8654390	S9432910	I0036566	3	7	2013	15	3	7
5	111	1111.00	1111.00	C0954327	S1010398	I0036577	1	2	2010	1	1	2
6	444	4444.00	4444.00	C9403348	S0954327	I0036577	1	2	2011	5	1	2
7	101	1001.00	1001.00	C0954327	S9432910	I0036577	3	7	2013	15	3	7
8	323	3223.00	3223.00	C9128574	S9432910	I0036577	3	7	2013	15	3	7

Close

## Sort Row 4 (SSItem)

Spoon - SSExcelTest\_Banquil\_Etienne

File Edit View Action Tools Help

View Design

merge

Input

Output

Synchronize after merge

Streaming

Transform

Utility

Flow

ETL metadata injection

Scripting

Pentaho Server

Lookup

Joins

Merge join

Merge rows (diff)

Multway merge join

Sorted merge

Data Warehouse

Validation

Statistics

Big Data

Cryptography

Job

Mapping

Bulk loading

Inline

Experimental

Deprecated

History

Merge join

Execution Results

Logging Execution History

2024/10/18 13:13:42 - SSExcelData\_Banquil\_Etienne

2024/10/18 13:13:42 - Filter rows\_Banquil\_Etienne

2024/10/18 13:13:42 - Sort rows\_Banquil\_Etienne 1

2024/10/18 13:13:42 - Merge join 1\_Banquil\_Etienne

2024/10/18 13:13:42 - Sort rows\_Banquil\_Etienne 4

2024/10/18 13:13:42 - SSTimeDim\_Banquil\_Etienne

2024/10/18 13:13:42 - Sort rows\_Banquil\_Etienne 2

2024/10/18 13:13:42 - SSItem\_Banquil\_Etienne

2024/10/18 13:13:42 - Sort rows\_Banquil\_Etienne 3

2024/10/18 13:13:42 - Merge join 2\_Banquil\_Etienne

2024/10/18 13:13:43 - Sort rows\_Banquil\_Etienne 6

2024/10/18 13:13:43 - Spoon - SSExcelTest\_Banquil\_Etienne

Examine preview data

Rows of step: Sort rows\_Banquil\_Etienne 6 (8 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR	TIMEDAYOFWEEK	TIMEFISCALYEAR
1	121	4224.00	4224.00	C0954327	S0954327	I0036566	1	5	2011	6	1	5	2	2011	4	201
2	111	1111.00	1111.00	C0954327	S1010398	I0036577	1	2	2010	1	1	2	1	2010	2	201
3	101	1001.00	1001.00	C0954327	S9432910	I0036577	3	7	2013	15	3	7	3	2013	3	201
4	222	2222.00	2222.00	C8654390	S9432910	I0036566	3	7	2013	15	3	7	3	2013	3	201
5	303	3003.00	3003.00	C9128574	S0954327	I0036566	1	2	2010	1	1	2	1	2010	2	201
6	333	3333.00	3333.00	C9128574	S0954327	I0036566	1	5	2013	14	1	5	2	2013	4	201
7	323	3223.00	3223.00	C9128574	S9432910	I0036577	3	7	2013	15	3	7	3	2013	3	201
8	444	4444.00	4444.00	C9403348	S0954327	I0036577	1	2	2011	5	1	2	1	2011	2	201

Close

## SSCustomer

Spoon - SSExcelTest\_Banquil\_Etienne (changed)

File Edit View Action Tools Help

View Design

table

Input

- Get table names
- Table input

Output

- Delete
- Microsoft Access output
- Table output
- Update
- Streaming

Transform

- Closure generator
- Utility

Flow

- Table compare
- ETL metadata injection

Scripting

- Pentaho Server

Lookups

- Table exists
- Joins
- Data Warehouse
- Validation
- Statistics
- Big Data
- Cassandra input
- Cassandra output
- SSTable output
- Cryptography
- Job

Execution Results

Logging

Execution Results

2024/10/18 13:13:42 - SST

2024/10/18 13:13:42 - SSH

2024/10/18 13:13:42 - Sor

2024/10/18 13:13:42 - Fil

2024/10/18 13:13:42 - Sor

2024/10/18 13:13:42 - SST

2024/10/18 13:13:42 - Me

2024/10/18 13:13:42 - Me

2024/10/18 13:13:42 - Merge join

2024/10/18 13:13:43 - Spoon - Th

Step name: SSCustomer\_Banquil\_Etienne

Connection: DB2Connection

SQL

```
SELECT * FROM sscustomer;
```

Examine preview data

Rows of step: SSCustomer\_Banquil\_Etienne (11 rows)

#	CUSTID	CUSTNAME	CUSTPHONE	CUSTSTREET	CUSTCITY	CUSTSTATE	CUSTZIP	CUSTNATION
1	C0954327	Sheri Gordon	(303)123-1234	336 Hill St.	Littleton	CO	80129-5543	USA
2	C1010398	Jim Glusman	(303)321-9876	1432 E. Ravenna	Denver	CO	80111-0033	USA
3	C2388597	Beth Taylor	(206)124-9876	2396 Rafter Rd	Seattle	WA	98103-1121	USA
4	C3340959	Betty Wise	(206)421-1276	4334 153rd NW	Seattle	WA	98178-3311	USA
5	C8543321	Ron Thompson	(206)891-7664	789 122nd St.	Renton	WA	98666-1289	USA
6	C8574932	Wally Jones	(206)391-8564	411 Webber Ave.	Seattle	WA	98105-1093	USA
7	C8654390	Candy Kendall	(206)561-2264	456 Pine St.	Seattle	WA	98105-3345	USA
8	C9128574	Jerry Wyatt	(303)821-1234	16212 123rd Ct.	Denver	CO	80222-0022	USA
9	C9403348	Mike Boren	(303)821-5688	642 Crest Ave.	Englewood	CO	80113-5431	USA
10	C9432910	Larry Styles	(406)921-7688	9825 S. Crest Lane	Vancouver	BC	98104-2211	Canada
11	C9543029	Sharon Johnson	(406)921-4468	1223 Meyer Way	Surrey	BC	98222-1123	Canada

Close Show Log

## Sort Rows 5 (SSCustomer)

SSExcelData\_Banquil\_Etienne

Filter rows\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 1

SSTimeDim\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 2

Merge join 1\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 4

SSItem\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 3

Merge join 2\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 6

SSCustomer\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 5

Merge join 3\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 8

SSStore\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 7

Merge join 4\_Etienne\_Banquil

Examine preview data

Rows of step: Sort rows\_Banquil\_Etienne 5 (11 rows)

#	CUSTID	CUSTNAME	CUSTPHONE	CUSTSTREET	CUSTCITY	CUSTSTATE	CUSTZIP	CUSTNATION
1	C0954327	Sheri Gordon	(303)123-1234	336 Hill St.	Littleton	CO	80129-5543	USA
2	C1010398	Jim Glusman	(303)321-9876	1432 E. Ravenna	Denver	CO	80111-0033	USA
3	C2388597	Beth Taylor	(206)124-9876	2396 Rafter Rd	Seattle	WA	98103-1121	USA
4	C3340959	Betty Wise	(206)421-1276	4334 153rd NW	Seattle	WA	98178-3311	USA
5	C8543321	Ron Thompson	(206)891-7664	789 122nd St.	Renton	WA	98666-1289	USA
6	C8574932	Wally Jones	(206)391-8564	411 Webber Ave.	Seattle	WA	98105-1093	USA
7	C8654390	Candy Kendall	(206)561-2264	456 Pine St.	Seattle	WA	98105-3345	USA
8	C9128574	Jerry Wyatt	(303)821-1234	16212 123rd Ct.	Denver	CO	80222-0022	USA
9	C9403348	Mike Boren	(303)821-5688	642 Crest Ave.	Englewood	CO	80113-5431	USA
10	C9432910	Larry Styles	(406)921-7688	9825 S. Crest Lane	Vancouver	BC	98104-2211	Canada
11	C9543029	Sharon Johnson	(406)921-4468	1223 Meyer Way	Surrey	BC	98222-1123	Canada

## Merge Join 3 (SSCustomer)

SSExcelTest\_Banquil\_Etienne (changed)

merge

Input

Output

Synchronize after merge

Streaming

Transform

Utility

Flow

ETL metadata injection

Scripting

Pentaho Server

Lookup

Joins

Merge join

Merge rows (diff)

Multisource merge join

Sorted merge

Data Warehouse

Validation

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Merge join

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Filter rows\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 1

SSTimeDim\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 2

Merge join 1\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 4

SSItem\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 3

Merge join 2\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 6

SSCustomer\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 5

Merge join 3\_Banquil\_Etienne

SSStore\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 7

Merge join 4\_Banquil\_Etienne

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Execution History

2024/10/18 13:18:53 - SSExcelData\_Banquil\_Etienne

2024/10/18 13:18:53 - Filter rows\_Banquil\_Etienne

2024/10/18 13:18:53 - Sort rows\_Banquil\_Etienne 1

2024/10/18 13:18:53 - SSTimeDim\_Banquil\_Etienne

2024/10/18 13:18:53 - Sort rows\_Banquil\_Etienne 2

2024/10/18 13:18:53 - Merge join 1\_Banquil\_Etienne

2024/10/18 13:18:53 - Sort rows\_Banquil\_Etienne 4

2024/10/18 13:18:53 - SSItem\_Banquil\_Etienne

2024/10/18 13:18:53 - Sort rows\_Banquil\_Etienne 3

2024/10/18 13:18:53 - Merge join 2\_Banquil\_Etienne

2024/10/18 13:18:53 - Sort rows\_Banquil\_Etienne 6

2024/10/18 13:18:53 - SSCustomer\_Banquil\_Etienne

2024/10/18 13:18:53 - Sort rows\_Banquil\_Etienne 5

2024/10/18 13:18:53 - Merge join 3\_Banquil\_Etienne

2024/10/18 13:18:53 - SSStore\_Banquil\_Etienne

2024/10/18 13:18:53 - Sort rows\_Banquil\_Etienne 7

2024/10/18 13:18:53 - Merge join 4\_Banquil\_Etienne

2024/10/18 13:18:54 - Spoon - The transform

Examine preview data

Rows of step: Merge join 3\_Banquil\_Etienne (8 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR
1	121	4224.00	4224.00	C0954327	S0954327	I0036566	1	5	2011	6	1	5	2	2011
2	111	1111.00	1111.00	C0954327	S1010398	I0036577	1	2	2010	1	1	2	1	2010
3	101	1001.00	1001.00	C0954327	S9432910	I0036577	3	7	2013	15	3	7	3	2013
4	222	2222.00	2222.00	C8654390	S9432910	I0036566	3	7	2013	15	3	7	3	2013
5	303	3003.00	3003.00	C9128574	S0954327	I0036566	1	2	2010	1	1	2	1	2010
6	333	3333.00	3333.00	C9128574	S0954327	I0036566	1	5	2013	14	1	5	2	2013
7	323	3223.00	3223.00	C9128574	S9432910	I0036577	3	7	2013	15	3	7	3	2013
8	444	4444.00	4444.00	C9403348	S0954327	I0036577	1	2	2011	5	1	2	1	2011

## Sort Row 6 (SSItem)

SSExcelTest\_Banquil\_Etienne (changed)

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Filter rows\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 1

SSTimeDim\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 2

Merge join 1\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 4

SSItem\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 3

Merge join 2\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 6

SSCustomer\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 5

Merge join 3\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 8

SSStore\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 7

Merge join 4\_Banquil\_Etienne

Execution Results

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Execution History

2024/10/18 13:52:32 - SSExcelData\_Banquil\_Etienne

2024/10/18 13:52:32 - Filter rows\_Banquil\_Etienne

2024/10/18 13:52:32 - Sort rows\_Banquil\_Etienne 1

2024/10/18 13:52:32 - SSTimeDim\_Banquil\_Etienne

2024/10/18 13:52:32 - Sort rows\_Banquil\_Etienne 2

2024/10/18 13:52:32 - Merge join 1\_Banquil\_Etienne

2024/10/18 13:52:32 - Sort rows\_Banquil\_Etienne 4

2024/10/18 13:52:32 - SSItem\_Banquil\_Etienne

2024/10/18 13:52:32 - Sort rows\_Banquil\_Etienne 3

2024/10/18 13:52:32 - Merge join 2\_Banquil\_Etienne

2024/10/18 13:52:32 - Sort rows\_Banquil\_Etienne 6

2024/10/18 13:52:32 - SSCustomer\_Banquil\_Etienne

2024/10/18 13:52:32 - Sort rows\_Banquil\_Etienne 5

2024/10/18 13:52:32 - Merge join 3\_Banquil\_Etienne

2024/10/18 13:52:32 - SSStore\_Banquil\_Etienne

2024/10/18 13:52:32 - Sort rows\_Banquil\_Etienne 7

2024/10/18 13:52:32 - Merge join 4\_Banquil\_Etienne

2024/10/18 13:52:34 - Spoon - The transform

Examine preview data

Rows of step: Sort rows\_Banquil\_Etienne 6 (8 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR
1	121	4224.00	4224.00	C0954327	S0954327	I0036566	1	5	2011	6	1	5	2	2011
2	111	1111.00	1111.00	C0954327	S1010398	I0036577	1	2	2010	1	1	2	1	2010
3	101	1001.00	1001.00	C0954327	S9432910	I0036577	3	7	2013	15	3	7	3	2013
4	222	2222.00	2222.00	C8654390	S9432910	I0036566	3	7	2013	15	3	7	3	2013
5	303	3003.00	3003.00	C9128574	S0954327	I0036566	1	2	2010	1	1	2	1	2010
6	333	3333.00	3333.00	C9128574	S0954327	I0036566	1	5	2013	14	1	5	2	2013
7	323	3223.00	3223.00	C9128574	S9432910	I0036577	3	7	2013	15	3	7	3	2013
8	444	4444.00	4444.00	C9403348	S0954327	I0036577	1	2	2011	5	1	2	1	2011

## SSStore



Spoon - SSExcelTest\_Banquil\_Etienne (changed)

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SSExcelData\_Banquil\_Etienne Filter rows\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 1  
SSTimeDim\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 2 Merge join 1\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 4  
SSItem\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 3 Merge join 2\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 6  
SSCustomer\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 5 Merge join 3\_Banquil\_Etienne  
SSStore\_Banquil\_Etienne

Execution Results

Logging Execution History

Examine preview data

Rows of step: SSStore\_Banquil\_Etienne (6 rows)

#	STOREID	DIVID	STOREMANAGER	STORESTREET	STORECITY	STORESTATE	STOREZIP	STORENATION
1	S0954327	D0104030	Jim Smith	436 Hill St.	Littleton	CO	80129-5543	USA
2	S1010398	D0104030	Mary Glusman	1832 E. Ravenna	Denver	CO	80111-0033	USA
3	S2389597	D0225030	Beth Woo	5496 Rafter Rd	Seattle	WA	98103-1121	USA
4	S8543321	D3134030	Joe Thompson	989 122nd St.	Renton	WA	98666-1289	USA
5	S9403348	D0225030	Mary Boren	1242 Crest Ave.	Englewood	CO	80113-5431	USA
6	S9432910	D0104030	Larry Smith	12825 S. Crest Lane	Vancouver	BC	98104-2211	Canada

Close

## Sort Rows 7 (SSStore)

Spoon - SSExcelTest\_Banquil\_Etienne (changed)

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SSExcelData\_Banquil\_Etienne Filter rows\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 1  
SSTimeDim\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 2 Merge join 1\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 4  
SSItem\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 3 Merge join 2\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 6  
SSCustomer\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 5 Merge join 3\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 8  
SSStore\_Banquil\_Etienne Sort rows\_Banquil\_Etienne 7 Merge join 4\_Etienne\_Banquil

Execution Results

Logging Execution History Step Metrics Performance Graph Metrics Pr

Examine preview data

Rows of step: Sort rows\_Banquil\_Etienne 7 (6 rows)

#	STOREID	DIVID	STOREMANAGER	STORESTREET	STORECITY	STORESTATE	STOREZIP	STORENATION
1	S0954327	D0104030	Jim Smith	436 Hill St.	Littleton	CO	80129-5543	USA
2	S1010398	D0104030	Mary Glusman	1832 E. Ravenna	Denver	CO	80111-0033	USA
3	S2389597	D0225030	Beth Woo	5496 Rafter Rd	Seattle	WA	98103-1121	USA
4	S8543321	D3134030	Joe Thompson	989 122nd St.	Renton	WA	98666-1289	USA
5	S9403348	D0225030	Mary Boren	1242 Crest Ave.	Englewood	CO	80113-5431	USA
6	S9432910	D0104030	Larry Smith	12825 S. Crest Lane	Vancouver	BC	98104-2211	Canada

## Sort Rows 8 (SSStore)

SSExcelTest\_Banquil\_Etienne

SSExcelData\_Banquil\_Etienne → Filter rows\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 1

SSTimeDim\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 2 → Merge join 1\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 4

SSItem\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 3 → Merge join 2\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 6

SSCustomer\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 5 → Merge join 3\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 8

SSStore\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 7

Execution Results

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2024/10/18 13:21:58 - Sort rows\_Banquil\_Etienne 1.0 - Finished process

2024/10/18 13:21:58 - SSStore\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:21:58 - SSTimeDim\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:21:58 - SSCustomer\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:21:58 - SSItem\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:21:59 - Merge join 1\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:21:59 - Sort rows\_Banquil\_Etienne 4.0 - Finished process

2024/10/18 13:21:59 - Merge join 2\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:21:59 - Sort rows\_Banquil\_Etienne 6.0 - Finished process

2024/10/18 13:21:59 - Merge join 3\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:21:59 - Sort rows\_Banquil\_Etienne 8.0 - Finished process

2024/10/18 13:21:59 - Spoon - The transformation has finished!

Examine preview data

Rows of step: Sort rows\_Banquil\_Etienne 8 (8 rows)

#	SalesUnits	SalesDollar	SalesCost	CustID	StoreID	ItemID	Day	Month	Year	TIMENO	TIMEDAY	TIMEMO	TIMEDAY	TIMEMO	TIMEDAY
1	121	4224.00	4224.00	C0954327	S0954327	I0036566	1	5	2011	6	1	5	1	5	1
2	303	3003.00	3003.00	C9128574	S0954327	I0036566	1	2	2010	1	1	2	1	2	1
3	333	3333.00	3333.00	C9128574	S0954327	I0036566	1	5	2013	14	1	5	1	5	1
4	444	4444.00	4444.00	C9403348	S0954327	I0036577	1	2	2011	5	1	2	1	2	1
5	111	1111.00	1111.00	C0954327	S1010398	I0036577	1	2	2010	1	1	2	1	2	1
6	101	1001.00	1001.00	C0954327	S9432910	I0036577	3	7	2013	15	3	7	15	3	7
7	222	2222.00	2222.00	C8654390	S9432910	I0036566	3	7	2013	15	3	7	15	3	7
8	323	3223.00	3223.00	C9128574	S9432910	I0036577	3	7	2013	15	3	7	15	3	7

Close

## Merge Join 4 (SSStore)

SSExcelTest\_Banquil\_Etienne

SSExcelData\_Banquil\_Etienne → Filter rows\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 1

SSTimeDim\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 2 → Merge join 1\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 4

SSItem\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 3 → Merge join 2\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 6

SSCustomer\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 5 → Merge join 3\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 8

SSStore\_Banquil\_Etienne → Sort rows\_Banquil\_Etienne 7 → Merge join 4\_Etienne\_Banquil

Execution Results

Logging Execution History Step Metrics Perf

2024/10/18 13:23:46 - SSStore\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:23:46 - SSTimeDim\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:23:46 - SSItem\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:23:46 - SSCustomer\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:23:46 - Merge join 1\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:23:46 - Merge join 2\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:23:46 - Merge join 3\_Banquil\_Etienne.0 - Finished process

2024/10/18 13:23:46 - Merge join 4\_Etienne\_Banquil.0 - Finished process

2024/10/18 13:23:46 - Spoon - The transformation has finished!

Examine preview data

Rows of step: Merge join 4\_Etienne\_Banquil (8 rows)

#	STOREID	DIVID	STOREMANAGER	STORESTREET	STORECITY	STORESTATE	STOREZIP	STORENATION	SalesUnits	SalesDollar	SalesCost	CustID	S
1	S0954327	D0104030	Jim Smith	436 Hill St.	Littleton	CO	80129-5543	USA	121	4224.00	4224.00	C0954327	S
2	S0954327	D0104030	Jim Smith	436 Hill St.	Littleton	CO	80129-5543	USA	303	3003.00	3003.00	C9128574	S
3	S0954327	D0104030	Jim Smith	436 Hill St.	Littleton	CO	80129-5543	USA	333	3333.00	3333.00	C9128574	S
4	S0954327	D0104030	Jim Smith	436 Hill St.	Littleton	CO	80129-5543	USA	444	4444.00	4444.00	C9403348	S
5	S1010398	D0104030	Mary Glussman	1832 E. Ravenna	Denver	CO	80111-0033	USA	111	1111.00	1111.00	C0954327	S
6	S9432910	D0104030	Larry Smith	12825 S. Crest Lane	Vancouver	BC	98104-2211	Canada	101	1001.00	1001.00	C0954327	S
7	S9432910	D0104030	Larry Smith	12825 S. Crest Lane	Vancouver	BC	98104-2211	Canada	222	2222.00	2222.00	C8654390	S
8	S9432910	D0104030	Larry Smith	12825 S. Crest Lane	Vancouver	BC	98104-2211	Canada	323	3223.00	3223.00	C9128574	S

## Insert / Update

evbanquil@...

My Profile  
Sign out

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Result set 1

Details

Filter table

SALESNO	SALESUNITS	SALES DOLLAR	SALES COST	CUSTID	ITEMID
89	105	6115.00	4987.00	C0954327	I0036577
90	113	6315.00	4987.00	C0954327	I0036577
91	144	5954.00	4655.00	C9403348	I0036577
92	159	6145.00	5387.00	C9432910	I0036577
93	105	5455.00	4087.00	C1010398	I0036566
94	160	6875.00	4996.00	C0954327	I0036566
95	90	4805.00	4207.00	C2388597	I0036566
96	110	5448.00	4188.00	C8574932	I0036566
97	121	4224.00	4224.00	C0954327	I0036566
98	303	3003.00	3003.00	C9128574	I0036566
99	333	3333.00	3333.00	C9128574	I0036566
100	444	4444.00	4444.00	C9403348	I0036577
101	111	1111.00	1111.00	C0954327	I0036577
102	101	1001.00	1001.00	C0954327	I0036577
103	222	2222.00	2222.00	C8654390	I0036566
104	323	3223.00	3223.00	C9128574	I0036577

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Sort rows\_Banquil\_Etienne 2

Merge join 1\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 4

SSItem\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 3

Merge join 2\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 6

SSCustomer\_Banquil\_Etienne

Sort rows\_Banquil\_Etienne 5

Merge join 3\_Banquil\_Etienne

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SSStore\_Banquil\_Etienne

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Merge join 4\_Etienne\_Banquil

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2024/10/18 14:21:15 - Sort rows\_Banquil\_Etienne 2.0 - Finished processing (I=0, U=0, H=16, W=16, U=0, E=0)

2024/10/18 14:21:15 - Sort rows\_Banquil\_Etienne 7.0 - Finished processing (I=0, O=0, R=6, W=6, U=0, E=0)

2024/10/18 14:21:15 - Sort rows\_Banquil\_Etienne 1.0 - Finished processing (I=0, O=0, R=10, W=10, U=0, E=0)

2024/10/18 14:21:15 - SSCustomer\_Banquil\_Etienne.0 - Finished processing (I=11, O=0, R=0, W=11, U=0, E=0)

2024/10/18 14:21:15 - SStimeDim\_Banquil\_Etienne.0 - Finished processing (I=16, O=0, R=0, W=16, U=0, E=0)

2024/10/18 14:21:15 - SSItem\_Banquil\_Etienne.0 - Finished processing (I=10, O=0, R=0, W=10, U=0, E=0)

2024/10/18 14:21:15 - SSStore\_Banquil\_Etienne.0 - Finished processing (I=0, O=0, R=0, W=0, U=0, E=0)

2024/10/18 14:21:15 - Merge join 1\_Banquil\_Etienne.0 - Finished processing (I=0, O=0, R=26, W=9, U=0, E=0)

2024/10/18 14:21:15 - Sort rows\_Banquil\_Etienne 4.0 - Finished processing (I=0, O=0, R=9, W=9, U=0, E=0)

2024/10/18 14:21:16 - Merge join 2\_Banquil\_Etienne.0 - Finished processing (I=0, O=0, R=19, W=8, U=0, E=0)

2024/10/18 14:21:16 - Sort rows\_Banquil\_Etienne 6.0 - Finished processing (I=0, O=0, R=8, W=8, U=0, E=0)

2024/10/18 14:21:16 - Merge join 3\_Banquil\_Etienne.0 - Finished processing (I=0, O=0, R=19, W=8, U=0, E=0)

2024/10/18 14:21:16 - Sort rows\_Banquil\_Etienne 8.0 - Finished processing (I=0, O=0, R=8, W=8, U=0, E=0)

2024/10/18 14:21:16 - Merge join 4\_Etienne\_Banquil.0 - Finished processing (I=0, O=0, R=14, W=8, U=0, E=0)

2024/10/18 14:21:19 - Add sequence.0 - Finished processing (I=0, O=0, R=8, W=8, U=0, E=0)

2024/10/18 14:21:20 - Insert / update.0 - Finished processing (I=8, O=0, R=8, W=8, U=0, E=0)

2024/10/18 14:21:20 - Spoon - The transformation has finished!!