



Training Material –Datastage 8.1



November 28, 2012

Datastage

Domain/ Service/ Technology /Geo:Fn>Datastage 8.1

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Name of the Project/Support Fn>Datastage 8.1

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Agenda

- Overview of Datastage stages 8.1

Datastage Introduction

- IBM's ETL tool
- Extracts, Transforms and Loads data
- Used in Data migration and Data warehousing projects

Aggregator Stage :

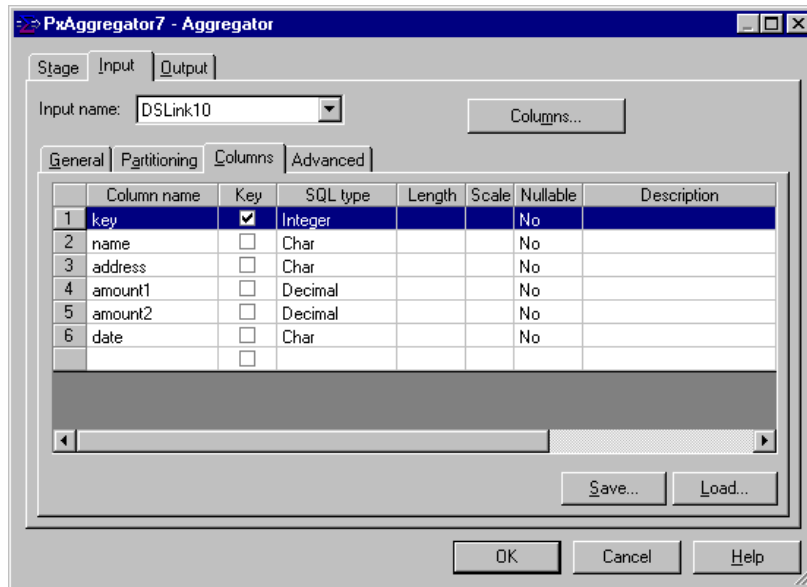
Definition : Aggregator classifies data rows from a single input link into groups and calculates totals or other aggregate functions for each group. The summed totals for each group are output from the stage thro' output link.



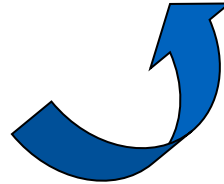
Group is a set of record with the same value for one or more columns.

Example : Transaction records might be grouped by both day of the week and by month. These groupings might show the busiest day of the week varies by season.

Input & View data :



The **INPUT** page shows you the metadata of the incoming data.



The screenshot shows the 'Aggregator..Source.InkInput - Data Browser' window displaying a table of input data:

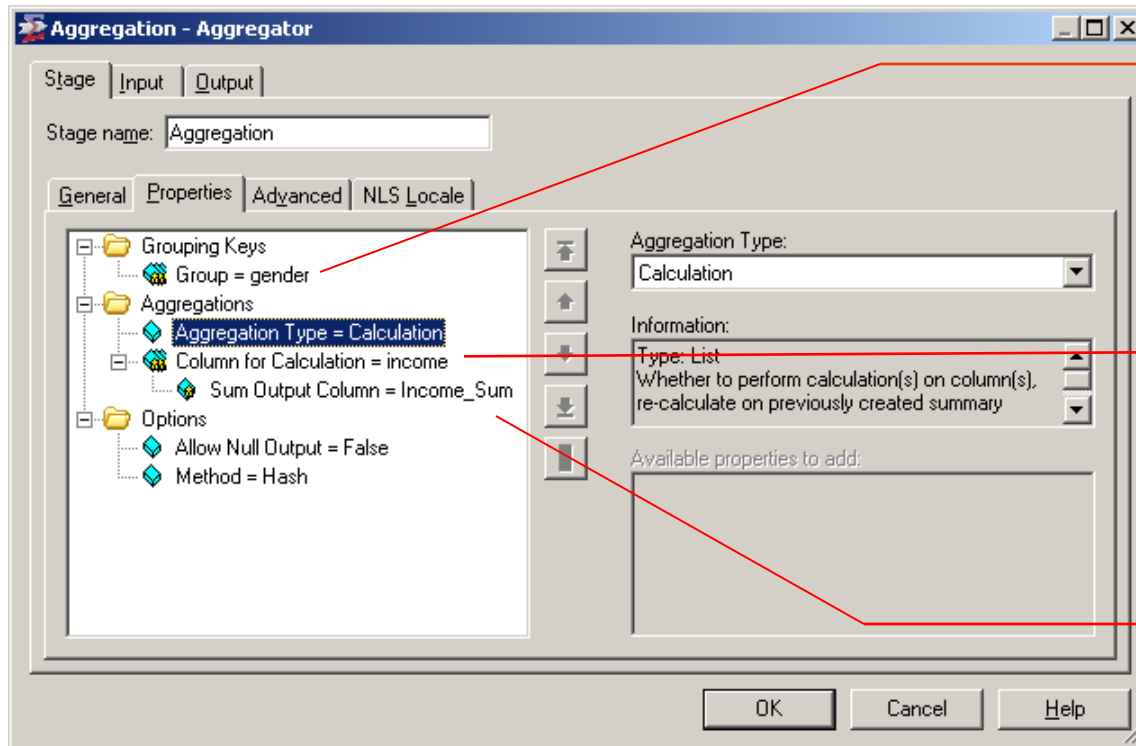
	first_name	last_name	gender	birth_date	income	state
▶	John	Parker	M	1979-04-24	0087228.4	MA
	Susan	Calvin	F	1967-12-24	0091312.4	IL
	William	Mandella	M	1962-04-07	0040676.9	CA
	Ann	Claybourne	F	1960-10-29	0061774.3	FL
	Frank	Chalmers	M	1969-12-10	0004881.9	NY
	Jane	Studdock	F	1962-02-24	0075990.8	TX
	Seymour	Glass	M	1960-08-18	0051531.5	NJ
	Laura	Engels	F	1981-12-07	0015280.3	KY
	John	Boone	M	1964-04-16	0042729.0	CO
	Susan	Sarandon	F	1966-06-08	0081319.0	ND
	William	Tell	M	1974-07-13	0021008.4	SD
	Ann	Dillard	F	1969-02-21	0004552.6	MI
	Frank	Sinatra	M	1984-06-12	0082552.5	OH
	Jane	Austin	F	1985-03-26	0019820.1	MA
	Seymour	Smith	M	1977-09-27	0029352.3	IL
	Laura	Parker	F	1972-11-16	0087834.9	CA
	John	Calvin	M	1961-11-30	0025966.3	FL
	Susan	Mandella	F	1960-03-31	0080394.5	NY
	William	Claybourne	M	1961-03-16	0052160.8	TX
	Ann	Chalmers	F	1970-10-01	0075071.4	NJ

Buttons at the bottom include 'Close', 'Find...', 'Display...', and 'Help'.

The input data look like this...

Properties :

When "Aggregation Type = Calculation" ...

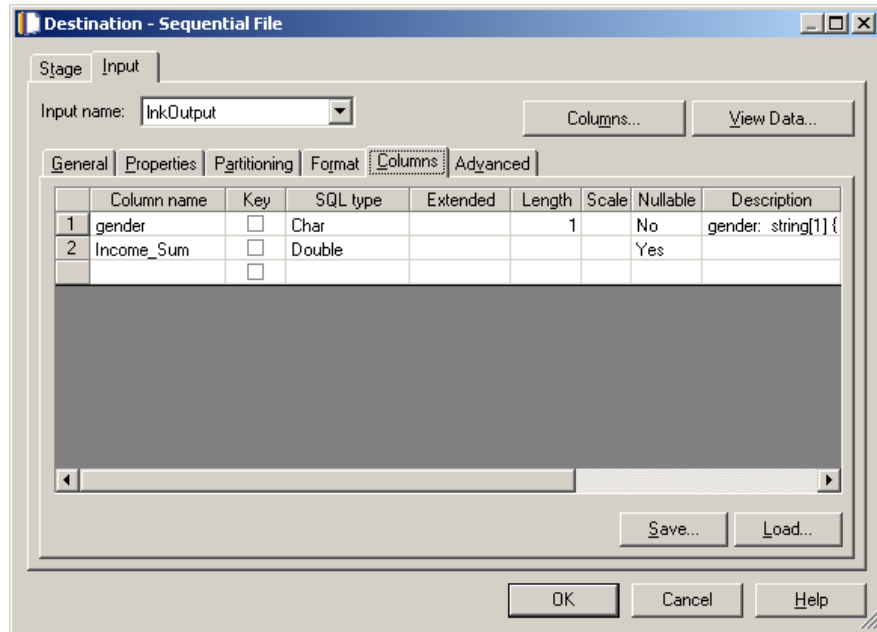


Here, we group by "**Gender**".

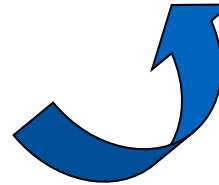
The column to aggregate.

User defined column to collect the aggregated values.

Output & View data :



The **OUTPUT** page shows only those columns used to group and aggregate.



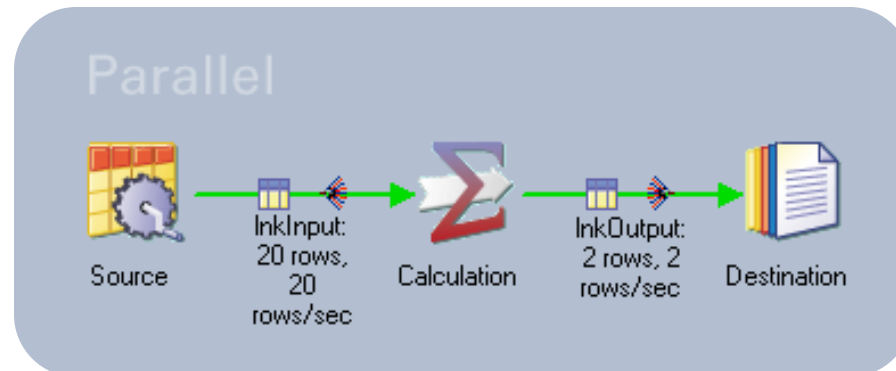
The screenshot shows the 'Aggregator..Destination.InkOutput - Data Browser' window. It displays a table with the following data:

gender	Income_Sum
M	438089
F	593351

At the bottom of the window are buttons for 'Close', 'Find...', 'Display...', and 'Help'.

As we have grouped by "**Gender**", the incomes of Males and Females are summed up and shown here.

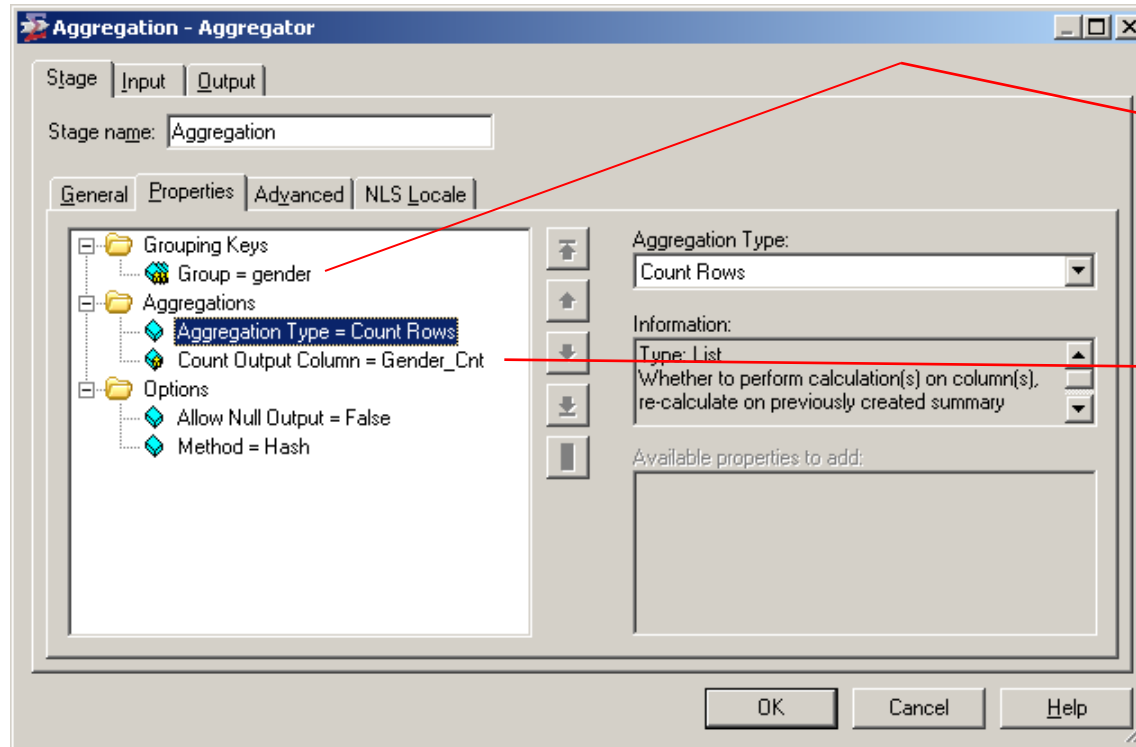
Execution Mode :



Note :
The Aggregator stage can have only one output link.

Properties :

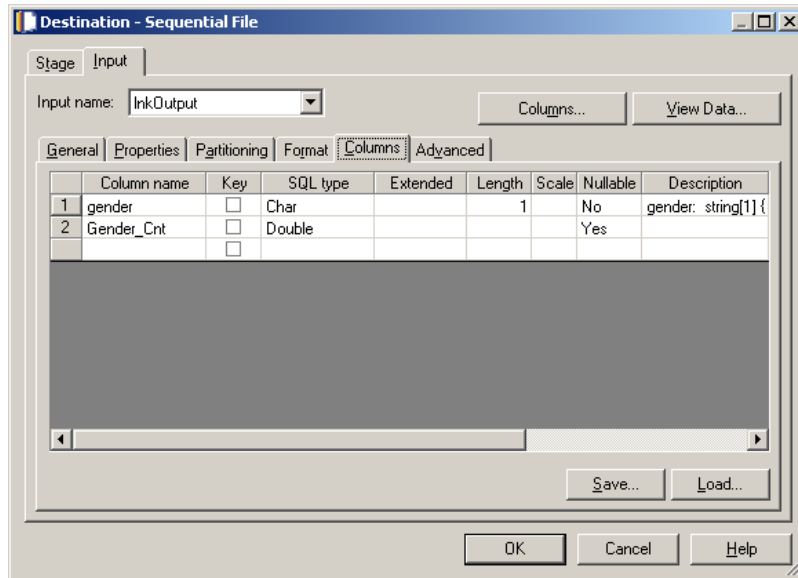
When "Aggregation Type = Count Rows" ...



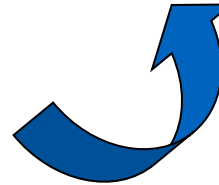
Here, we group by "**Gender**".

The column to be counted.

Output & View data :



The **OUTPUT** page shows only the grouping column and the column to be counted.



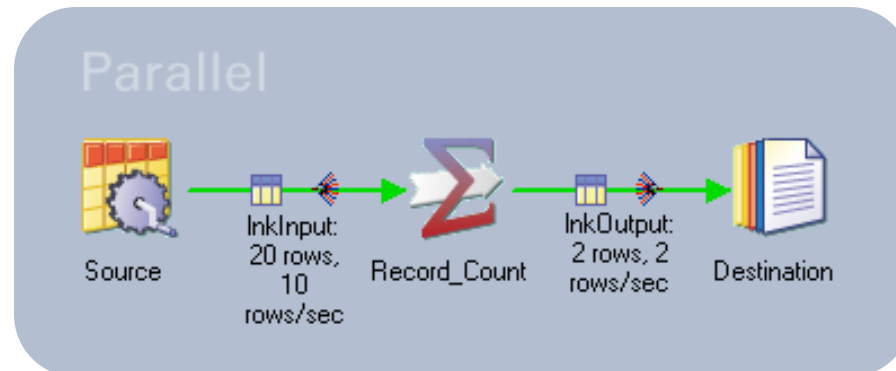
The screenshot shows the 'Aggregator_2..Destination.InkOutput - Data Browser' window. It displays a table with the following data:

gender	Gender_Cnt
M	10
F	10

Buttons at the bottom include 'Close', 'Find...', 'Display...', and 'Help'.

As we have grouped by "**Gender**", the number of records in Males and Females are totaled and shown here.

Execution Mode :

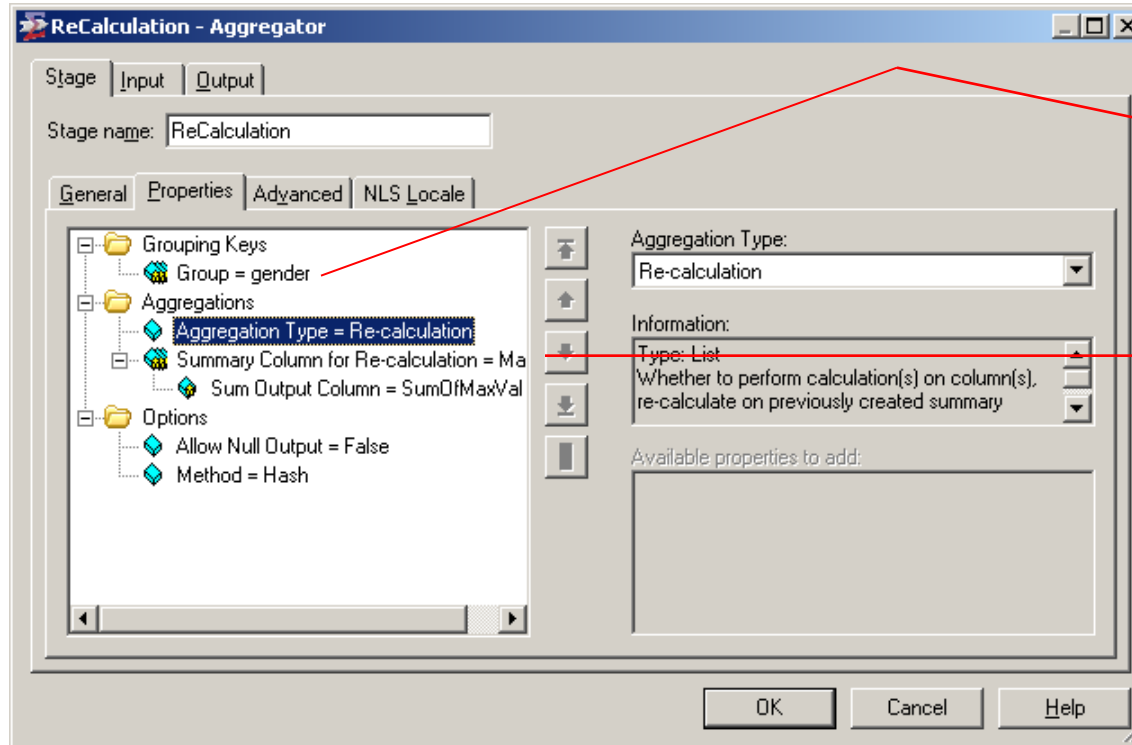


Note :

The Aggregator stage can have only one output link.

Properties :

When "Aggregation Type = Re-calculation" ...



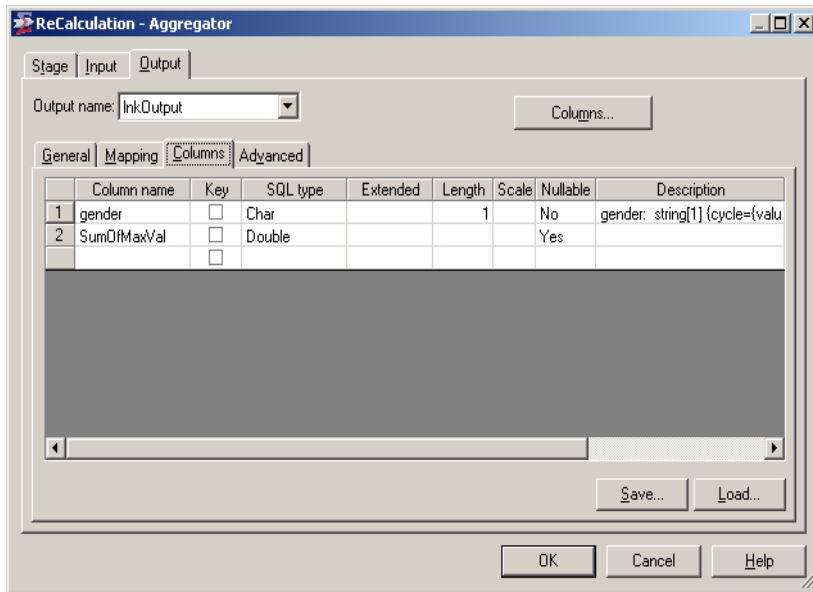
Here, we group by "**Gender**".

The column to preserve the summary of Recalculation.

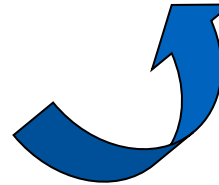
Note :

When the "Aggregation Type = Re-calculation" then place an extra aggregator to aggregate a column, first. The second aggregator will re-calculate the previously calculated column.

Output & View data :



The **OUTPUT** page shows only the grouping column and the column for recalculation.

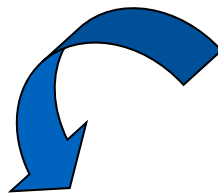


The screenshot shows the 'Aggregator_ReCalc..Destination.InkOutput - Data Browser' window. It displays a table with two columns: 'gender' and 'SumOfMaxVal'. The data is as follows:

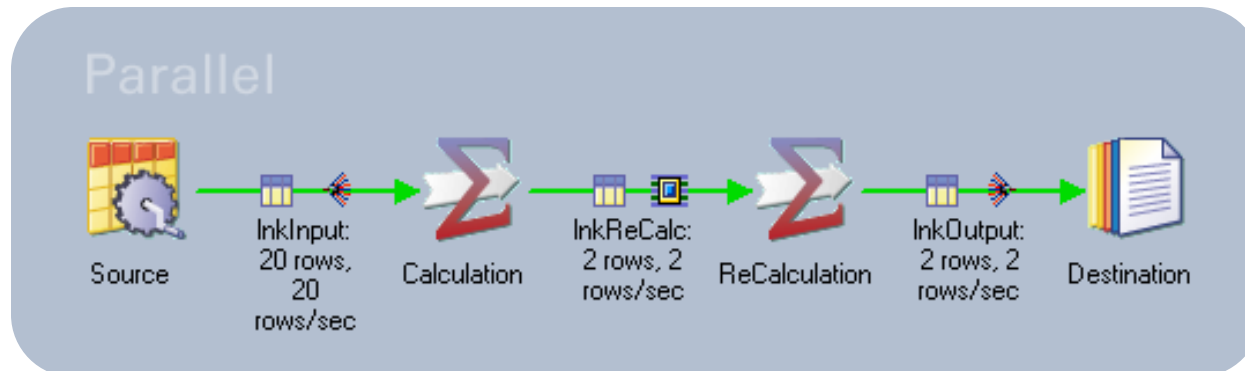
gender	SumOfMaxVal
M	438089
F	593351

The 'OK' button is highlighted.

The column "MaxVal" is recalculated as "SumOfMaxVal"



Execution Mode :

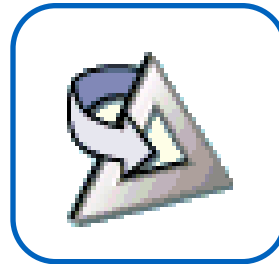


Note :

The Aggregator stage can have only one output link.

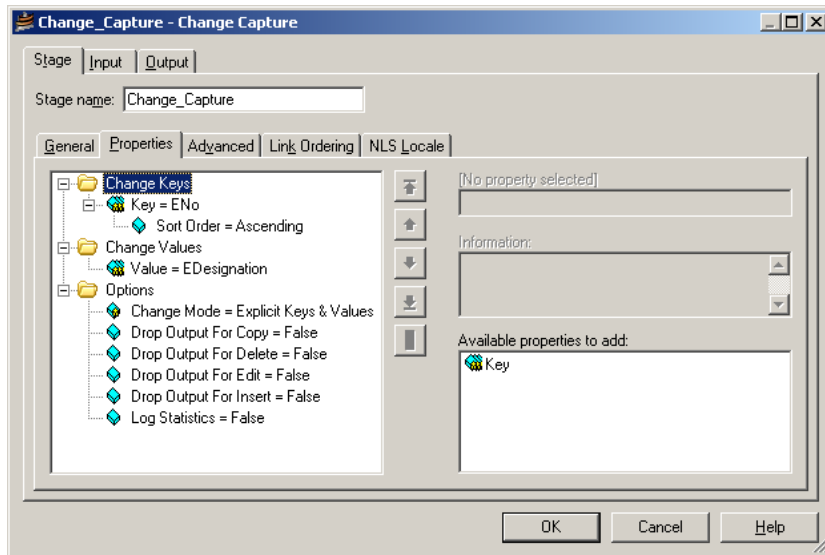
Change Apply Stage :

Definition : Takes the change data set, that contains the changes in the before and after data sets, from the Change Capture stage and applies the encoded change operations to a before data set to compute an after data set.

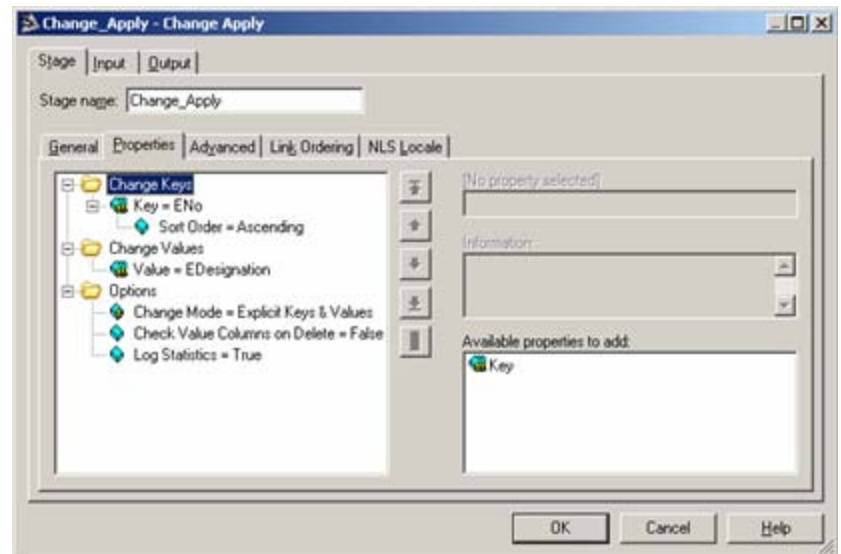


The Change Apply stage reads a record from the change data set and from the before data set, compares their key column values, and acts accordingly.

Change Capture Property :



Change Apply Property :



Input (Before Changes) :

Change_Apply..Before_Changes.InkBefore - Data Br...

ENo	EName	EDesignation
SG001	Arun	Consultant
SG002	Aravindhan	Administrator
SG003	Bala	Trainer

Close Find... Display... Help

Output :

Change_Apply..Output.InkOutput - Data Browser

ENo	EName	EDesignation
SG001	Arun	Consultant
SG002	Aravindhan	Administrator
SG003	Bala	IBM Trainer
SG004	Ravi	Consultant

Close Find... Display... Help

Change_Apply..After_Changes.InkAfter - Data Brow...

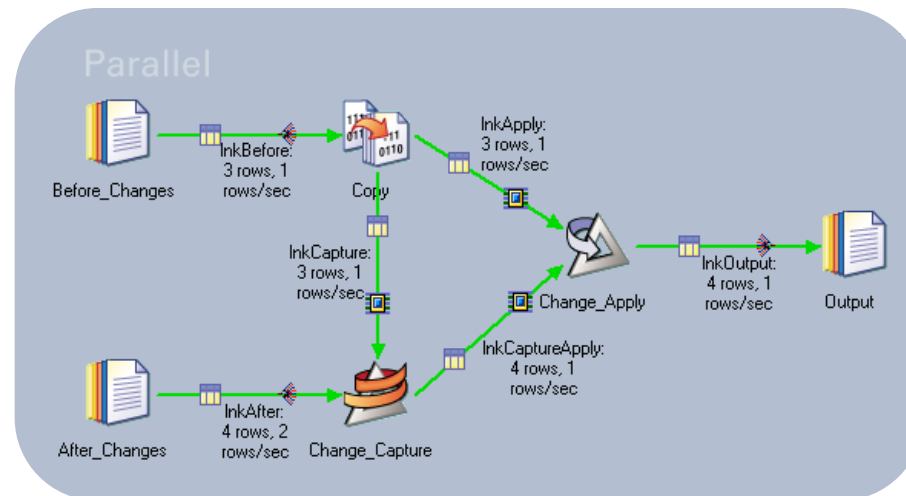
ENo	EName	EDesignation
SG001	Arun	Consultant
SG002	Aravindhan	Administrator
SG003	Bala	IBM Trainer
SG004	Ravi	Consultant

Close Find... Display... Help



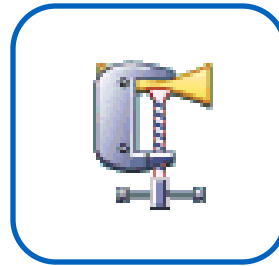
Input (After Changes) :

Job :

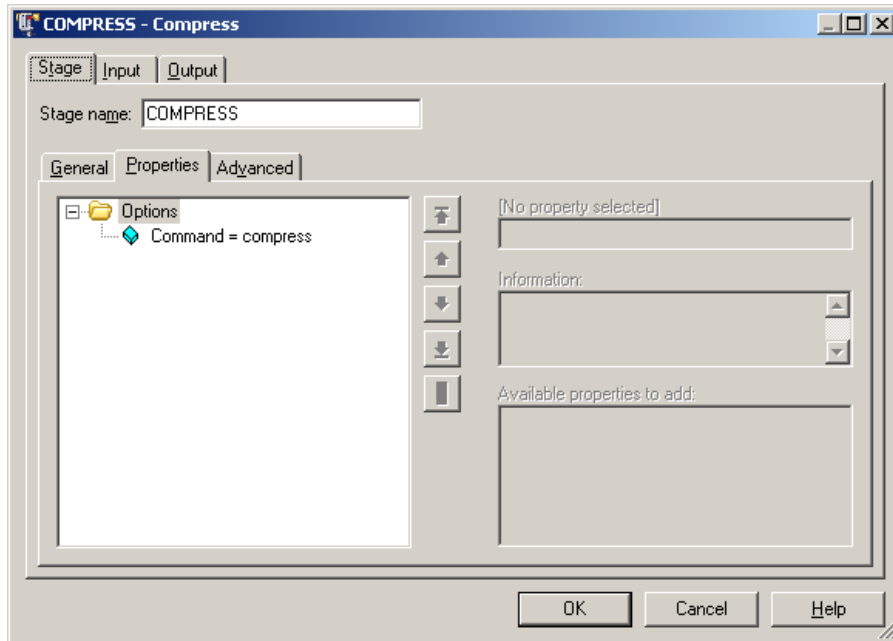


Compress Stage :

The Compress stage uses the UNIX compress or GZIP utility to compress a data set. It converts a data set from a sequence of records into a stream of raw binary data.



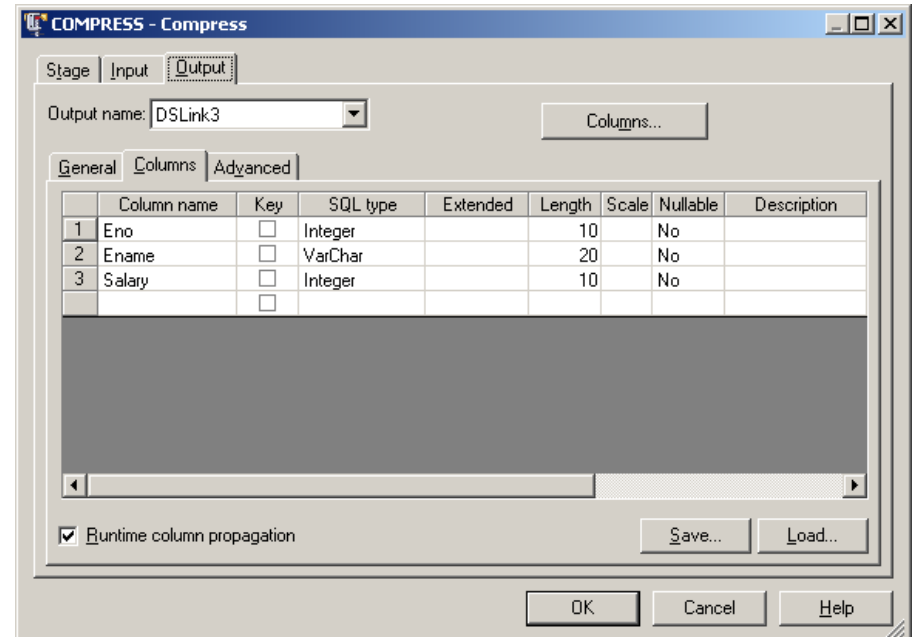
Steps :



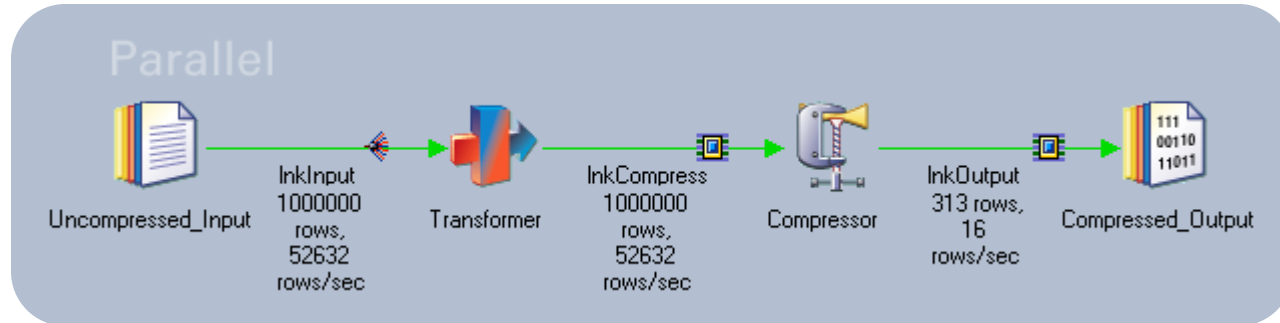
- Set the Stage Properties :
"Command = Uncompress"



Load the Metadata in the Output tab...



Example :

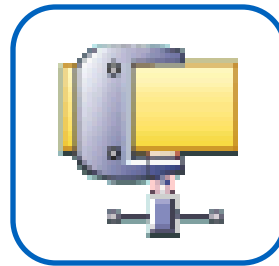


Limitations :

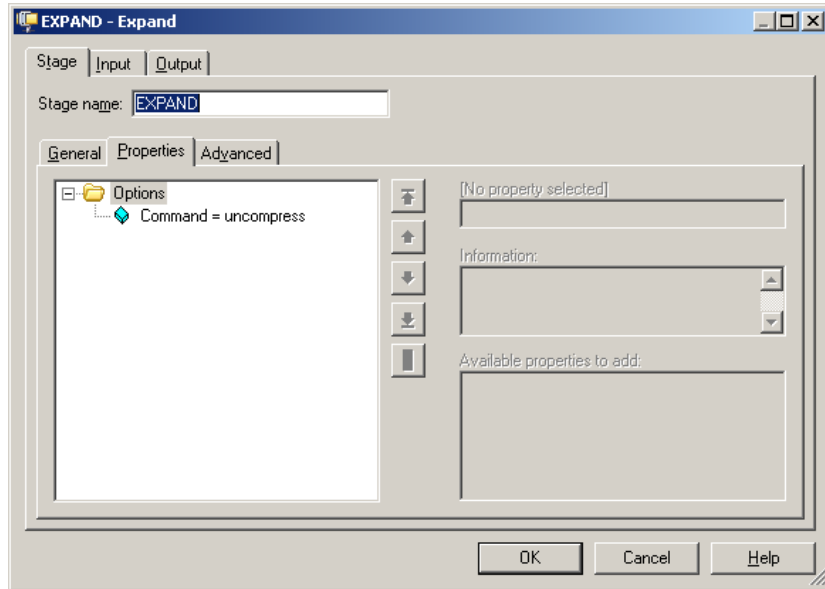
A compressed data set cannot be processed by many stages until it is expanded, i.e., until its rows are returned to their normal format. Stages that do not perform column based processing or reorder the rows can operate on compressed data sets. For example, you can use the copy stage to create a copy of the compressed data set.

Expand Stage :

The Expand stage uses the UNIX compress or GZIP utility to expand the data set. It converts a data set from a stream of raw binary data into sequence of records.



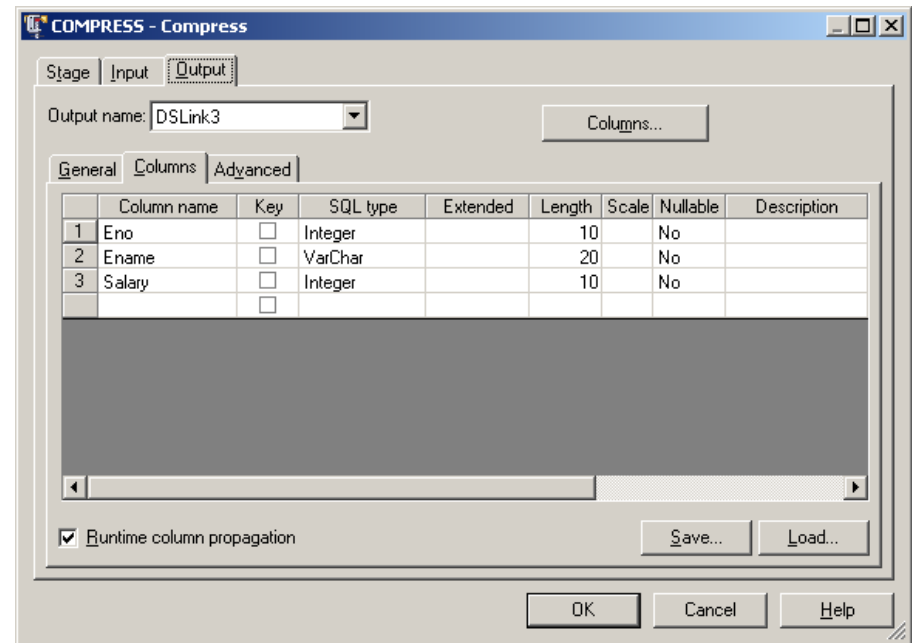
Steps :



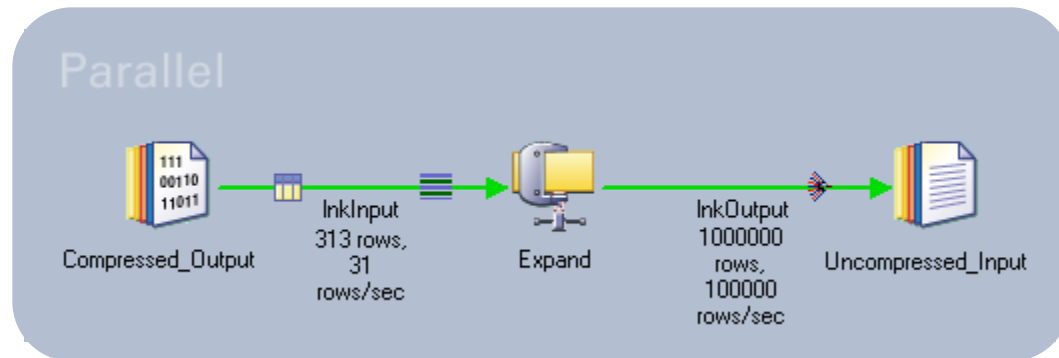
- Set the Stage Properties :
"Command =
Uncompress"



Load the Metadata in the Output tab...

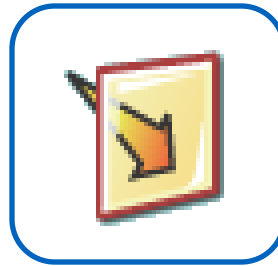


Example Job :



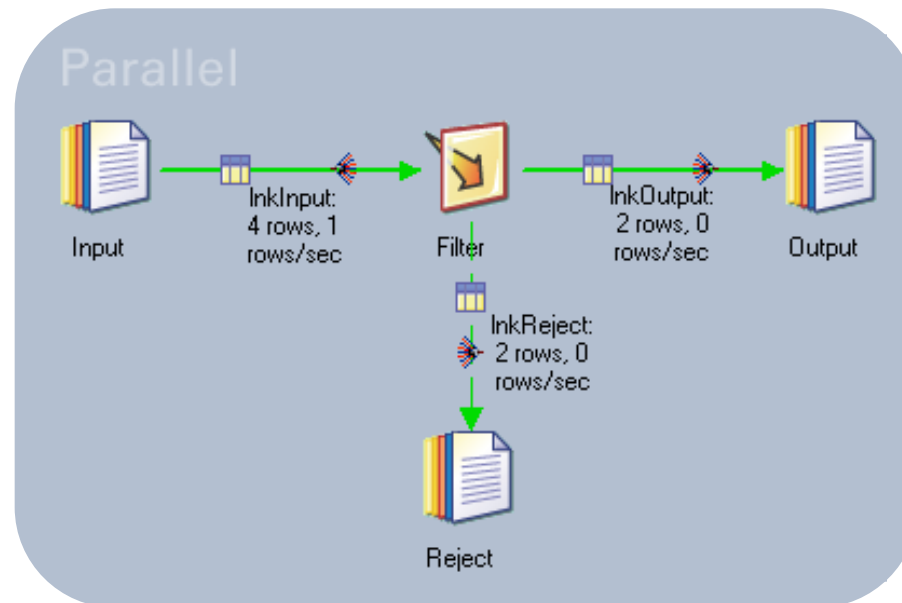
Filter Stage :

Definition : The Filter stage transfers, unmodified, the records of the input data set which satisfy the specified requirements and filters out all other records.

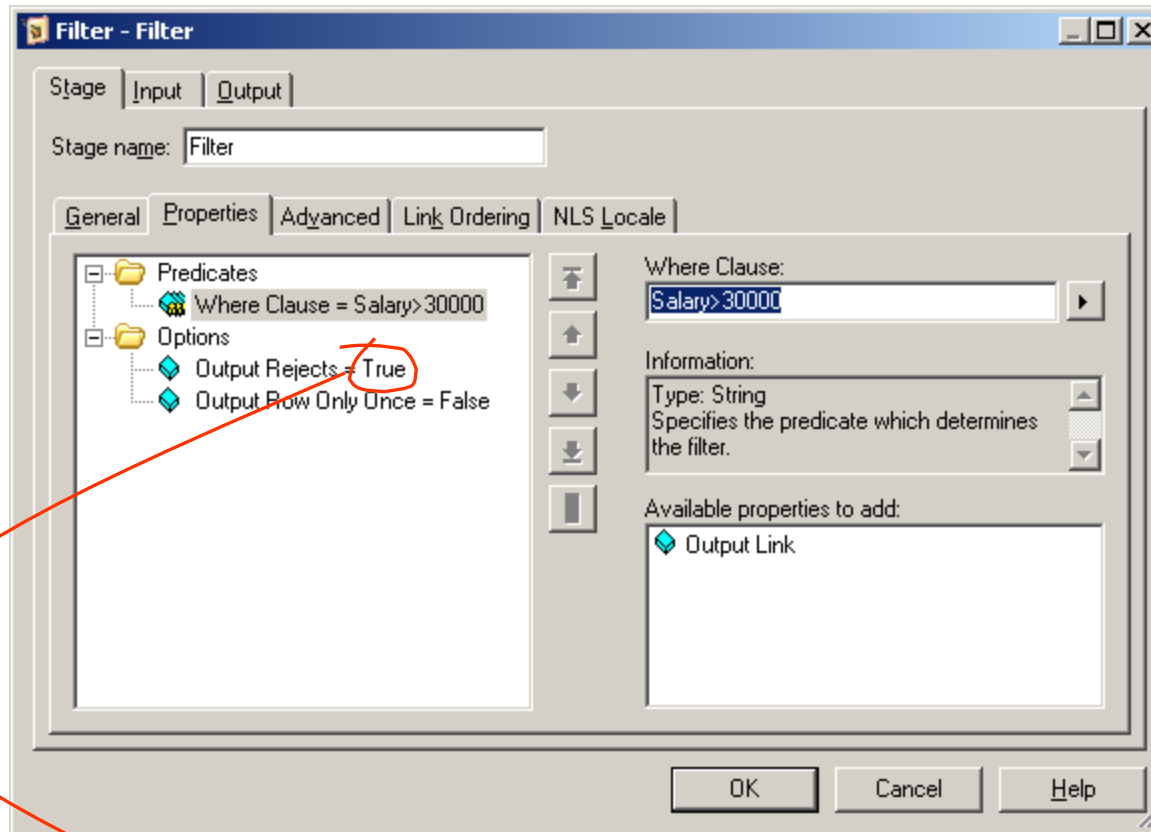


Filter stage can have a single input link and a any number of output links and, optionally, a single reject link. You can specify different requirements to route rows down different output links. The filtered out records can be routed to a reject link, if required.

Simple Job :



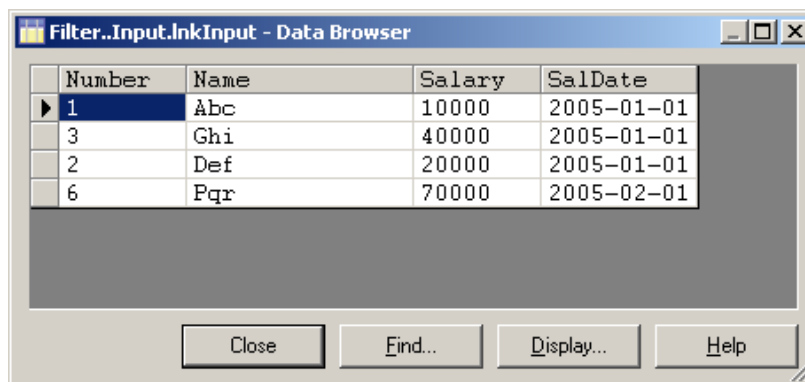
Criteria to Filter :



Note : Only if the "Output Rejects=True" the rejected rows are collected separately, otherwise those rows that fails to satisfy the criteria will be ignored.

Criteria : Salary > 30000

Input :

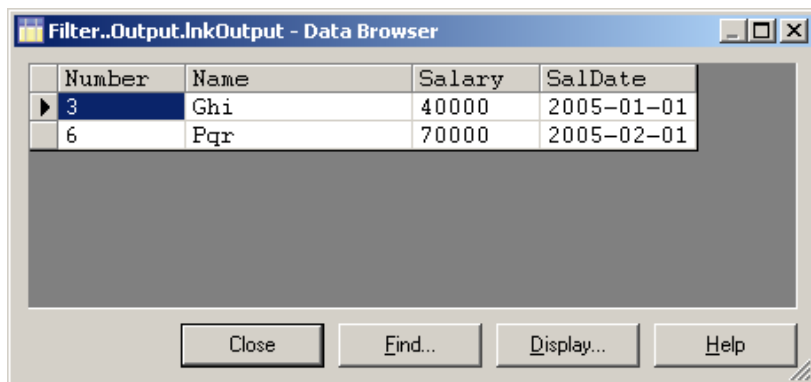


The screenshot shows a window titled "Filter..Input.InkInput - Data Browser". It contains a table with four columns: Number, Name, Salary, and SalDate. The data is as follows:

Number	Name	Salary	SalDate
1	Abc	10000	2005-01-01
3	Ghi	40000	2005-01-01
2	Def	20000	2005-01-01
6	Pqr	70000	2005-02-01

At the bottom of the window are four buttons: Close, Find..., Display..., and Help.

Output :

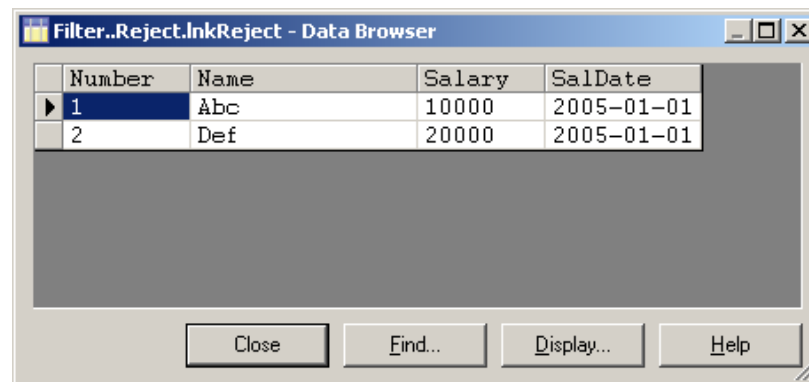


The screenshot shows a window titled "Filter..Output.InkOutput - Data Browser". It contains a table with four columns: Number, Name, Salary, and SalDate. The data is as follows:

Number	Name	Salary	SalDate
3	Ghi	40000	2005-01-01
6	Pqr	70000	2005-02-01

At the bottom of the window are four buttons: Close, Find..., Display..., and Help.

Reject Rows :

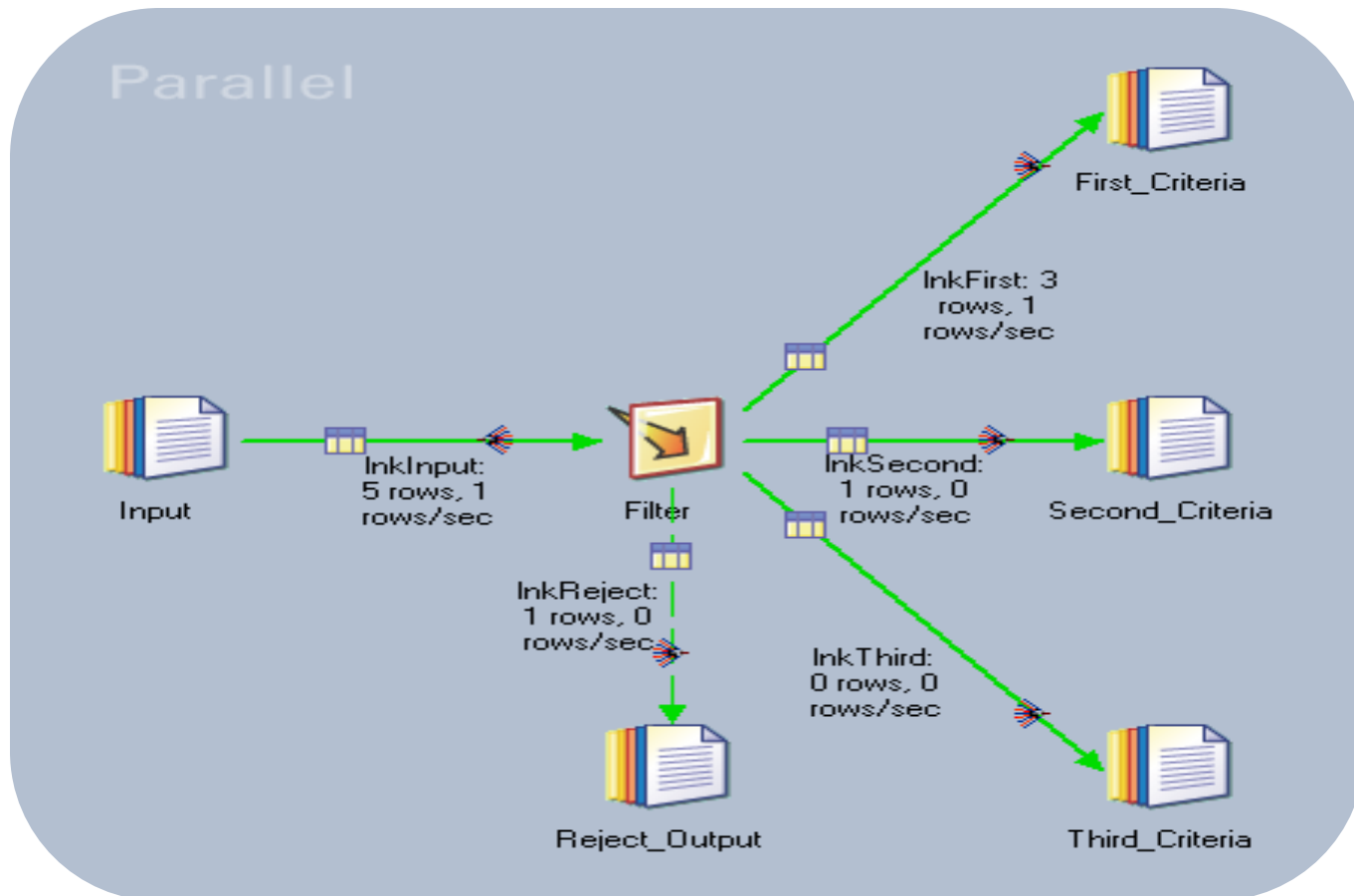


The screenshot shows a window titled "Filter..Reject.InkReject - Data Browser". It contains a table with four columns: Number, Name, Salary, and SalDate. The data is as follows:

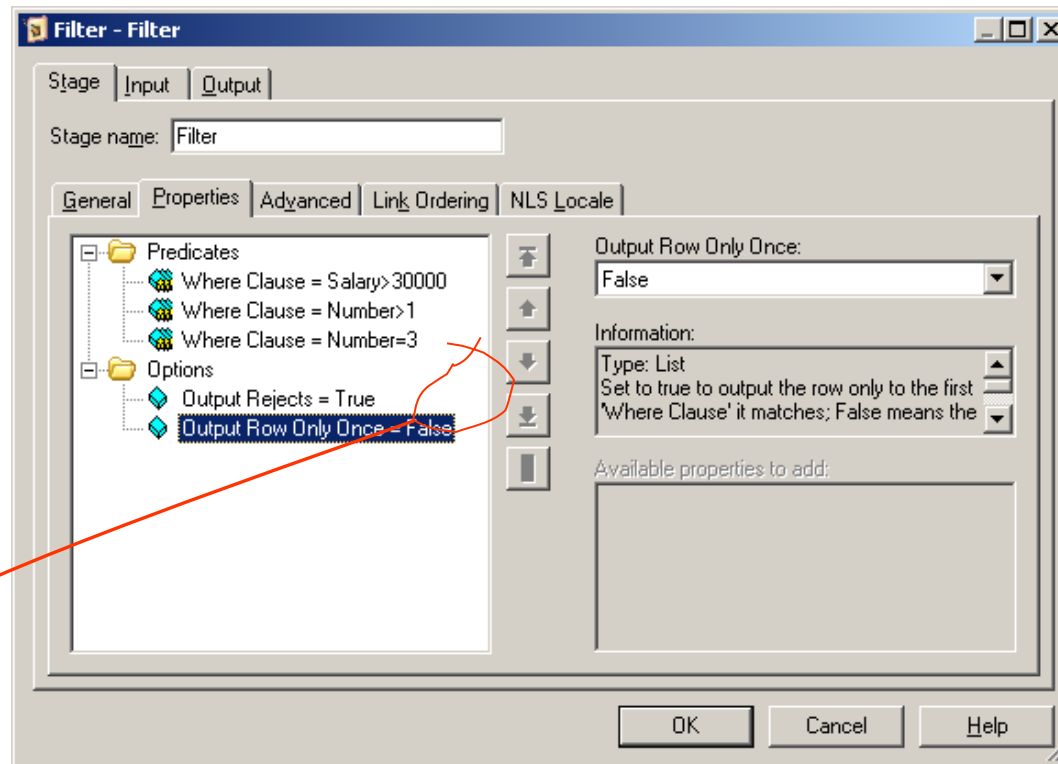
Number	Name	Salary	SalDate
1	Abc	10000	2005-01-01
2	Def	20000	2005-01-01

At the bottom of the window are four buttons: Close, Find..., Display..., and Help.

Complex Job :

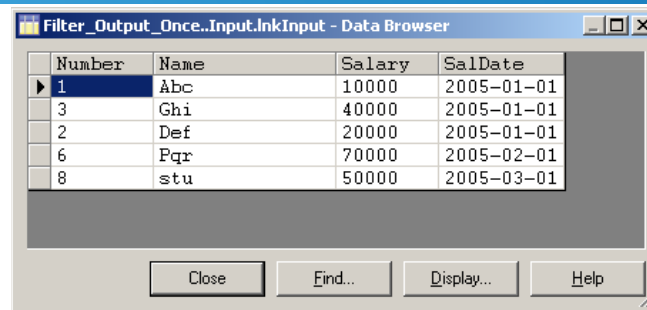


Criteria to Filter :



Note : "Output Row Only Once=False" means, every single input row is forced to satisfy each and every criteria given. In other words, Row that satisfies a criteria is forced to undergo another criteria. In such case, every row gets more than a single chance to output.

Input Data



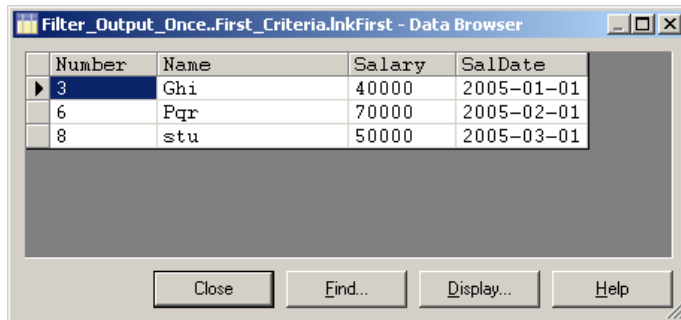
Filter_Output_Once..Input.InkInput - Data Browser

Number	Name	Salary	SalDate
1	Abc	10000	2005-01-01
3	Ghi	40000	2005-01-01
2	Def	20000	2005-01-01
6	Pqr	70000	2005-02-01
8	stu	50000	2005-03-01

Buttons: Close, Find..., Display..., Help

Criteria 1 : Salary > 30000

Criteria 2 : Number > 1

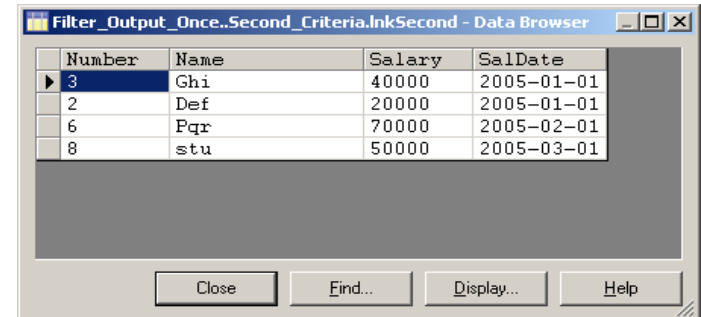


Filter_Output_Once..First_Criteria.InkFirst - Data Browser

Number	Name	Salary	SalDate
3	Ghi	40000	2005-01-01
6	Pqr	70000	2005-02-01
8	stu	50000	2005-03-01

Buttons: Close, Find..., Display..., Help

Criteria 3 : Number = 3

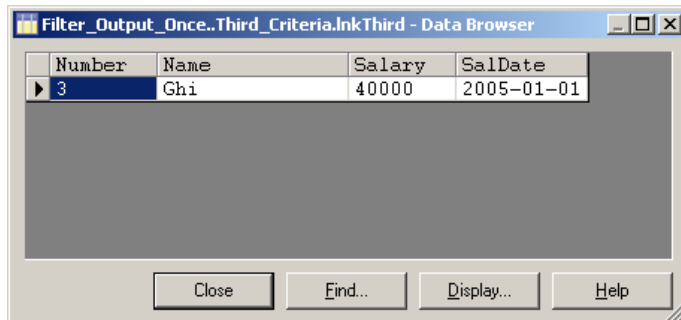


Filter_Output_Once..Second_Criteria.InkSecond - Data Browser

Number	Name	Salary	SalDate
3	Ghi	40000	2005-01-01
2	Def	20000	2005-01-01
6	Pqr	70000	2005-02-01
8	stu	50000	2005-03-01

Buttons: Close, Find..., Display..., Help

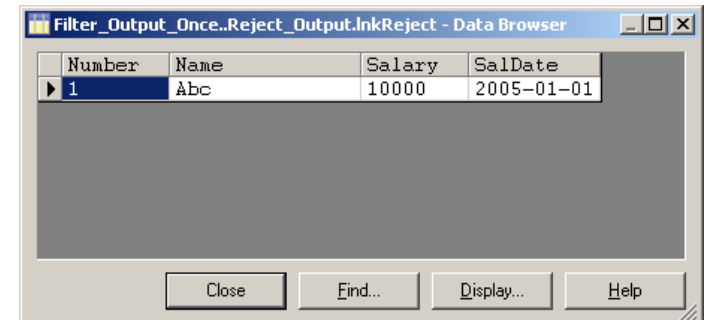
Reject Rows :



Filter_Output_Once..Third_Criteria.InkThird - Data Browser

Number	Name	Salary	SalDate
3	Ghi	40000	2005-01-01

Buttons: Close, Find..., Display..., Help

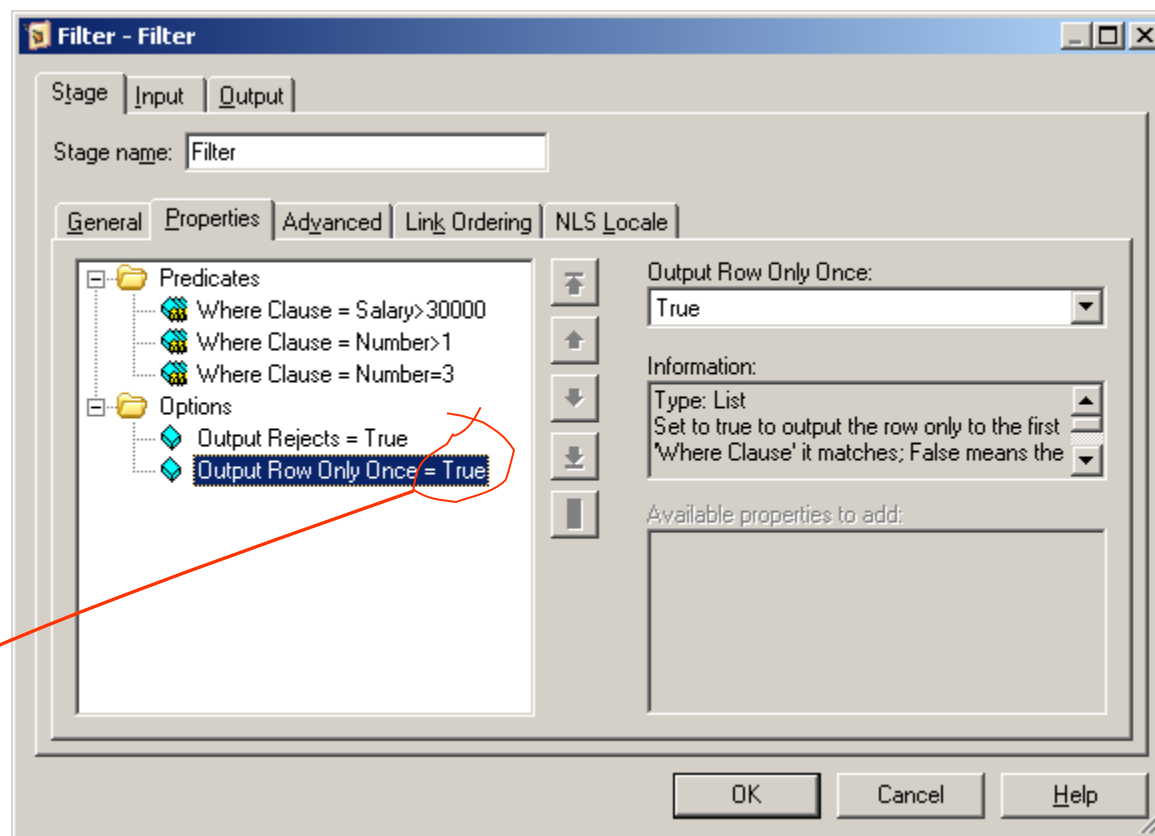


Filter_Output_Once..Reject_Output.InkReject - Data Browser

Number	Name	Salary	SalDate
1	Abc	10000	2005-01-01

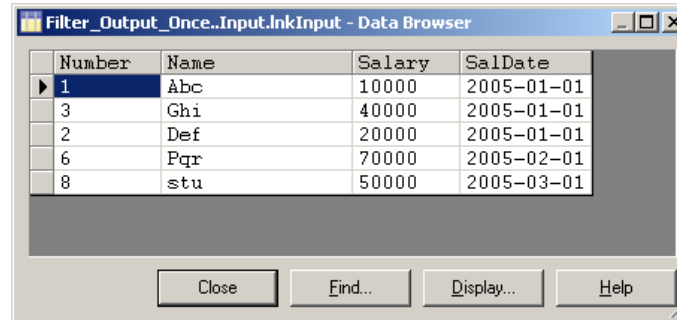
Buttons: Close, Find..., Display..., Help

Criteria to Filter :



Note : "Output Row Only Once=True" means, every single input row is not forced to undergo each and every criteria given. In other words, Rows that satisfy at least one criteria is not forced to satisfy another criteria. In such case, every row gets a single chance to output.

Input Data



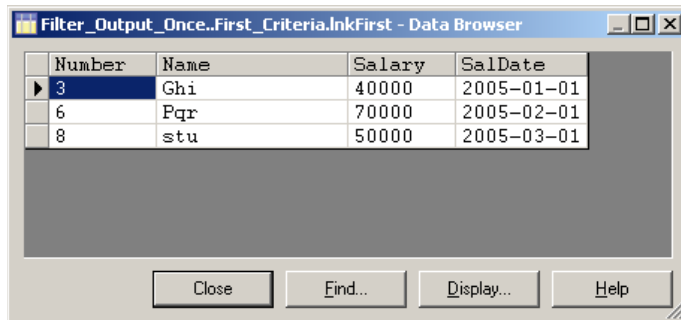
Filter_Output_Once..Input.InkInput - Data Browser

Number	Name	Salary	SalDate
1	Abc	10000	2005-01-01
3	Ghi	40000	2005-01-01
2	Def	20000	2005-01-01
6	Pqr	70000	2005-02-01
8	stu	50000	2005-03-01

Buttons: Close, Find..., Display..., Help

Criteria 1 : Salary > 30000

Criteria 2 : Number > 1



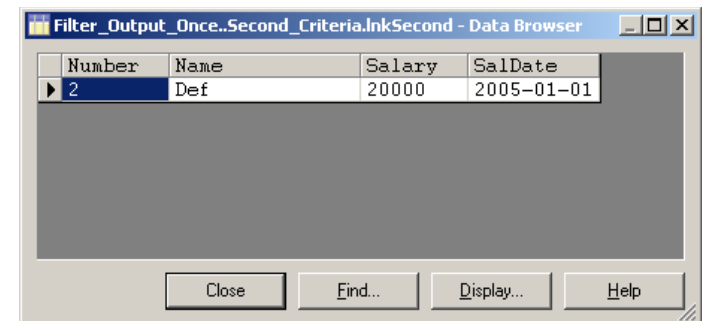
Filter_Output_Once..First_Criteria.InkFirst - Data Browser

Number	Name	Salary	SalDate
3	Ghi	40000	2005-01-01
6	Pqr	70000	2005-02-01
8	stu	50000	2005-03-01

Buttons: Close, Find..., Display..., Help

Criteria 3 : Number = 3

Note : Though there is a row that satisfies this criteria, it is not outputted as it is already been outputted for satisfying the Criteria – 1.

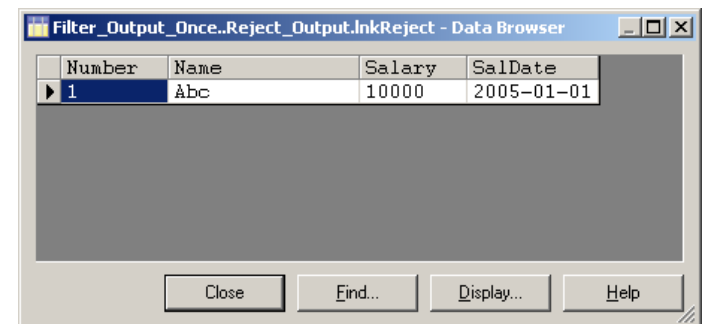


Filter_Output_Once..Second_Criteria.InkSecond - Data Browser

Number	Name	Salary	SalDate
2	Def	20000	2005-01-01

Buttons: Close, Find..., Display..., Help

Reject Rows :



Filter_Output_Once..Reject_Output.InkReject - Data Browser

Number	Name	Salary	SalDate
1	Abc	10000	2005-01-01

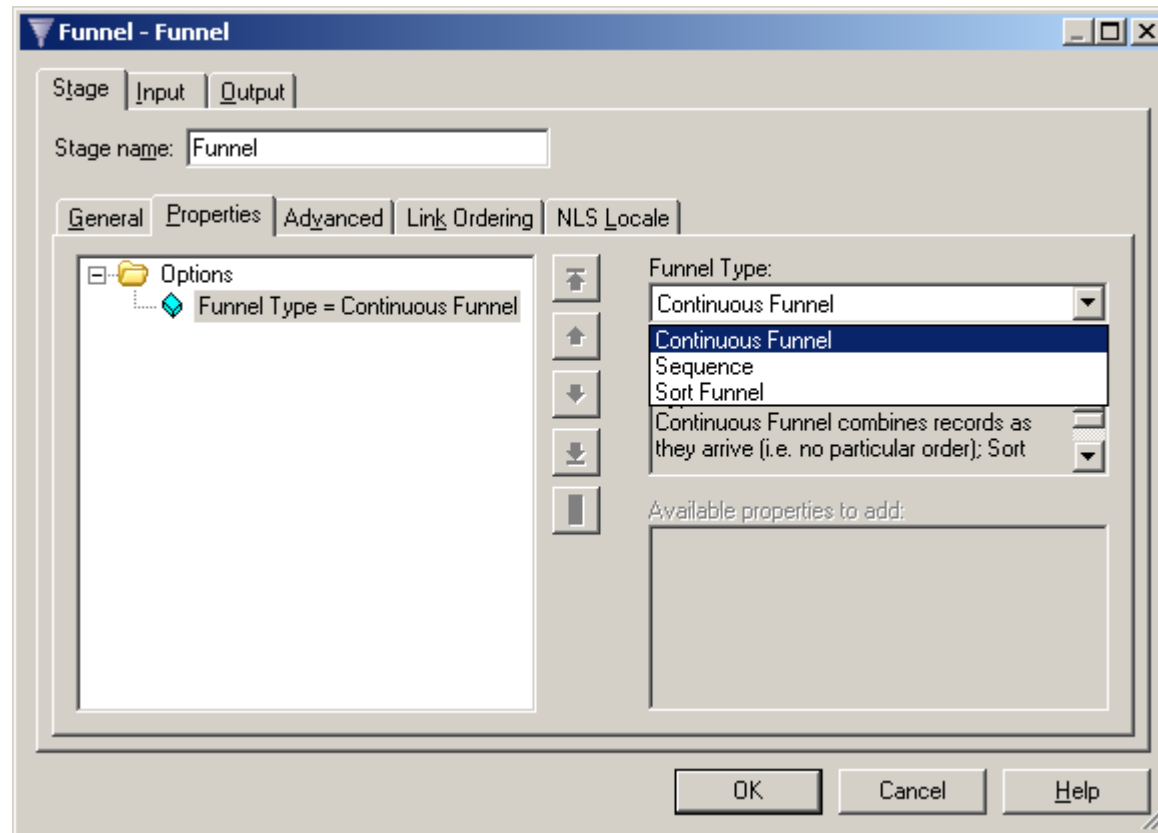
Buttons: Close, Find..., Display..., Help

Funnel Stage :

Definition : Funnel Stage copies multiple input data sets to a single output data set. This operation is useful for combining separate data sets into a single large data set. The stage can have any number of input links and a single output link.



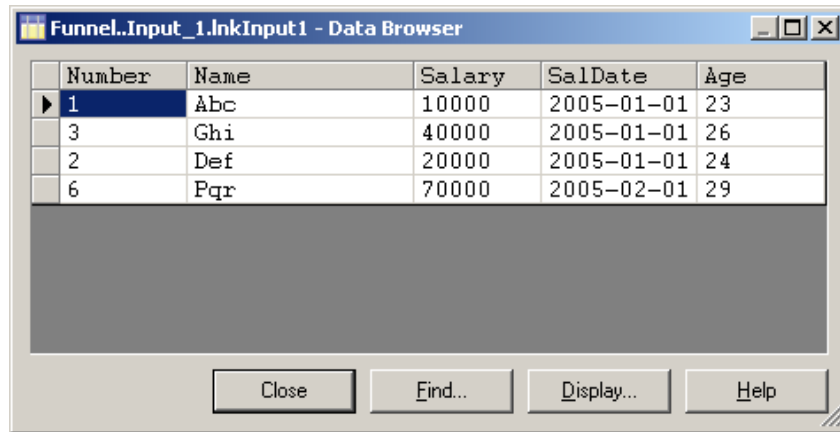
Type – 1 : Continuous Funnel



Note : This type of Funnel combines the records of the input data in no guaranteed order. It takes one record from each input link in turn. If data is not available on an input link, the stage skips to the next link rather than waiting.

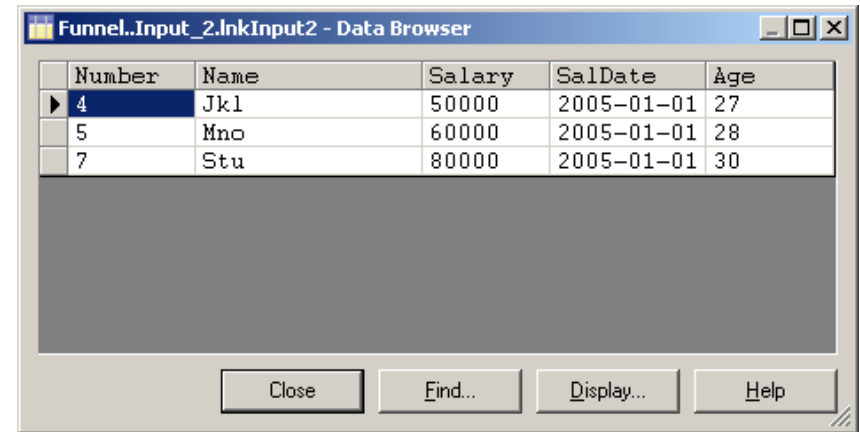
Continuous Funnel type ...

Input - 1 view data :



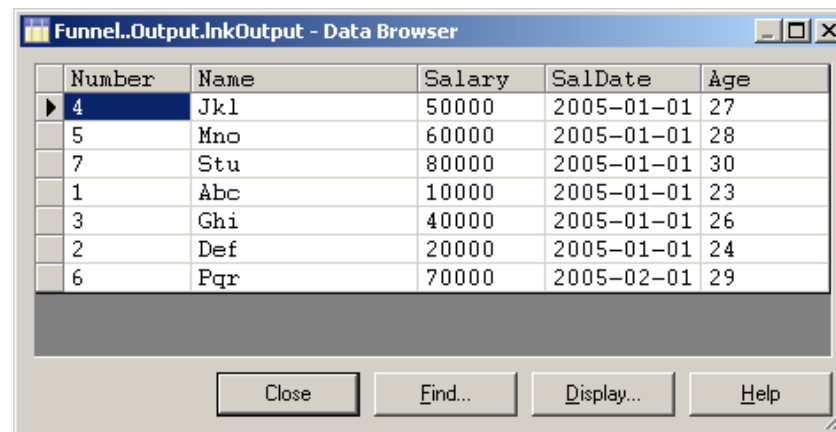
Number	Name	Salary	SalDate	Age
1	Abc	10000	2005-01-01	23
3	Ghi	40000	2005-01-01	26
2	Def	20000	2005-01-01	24
6	Pqr	70000	2005-02-01	29

Input - 2 view data :



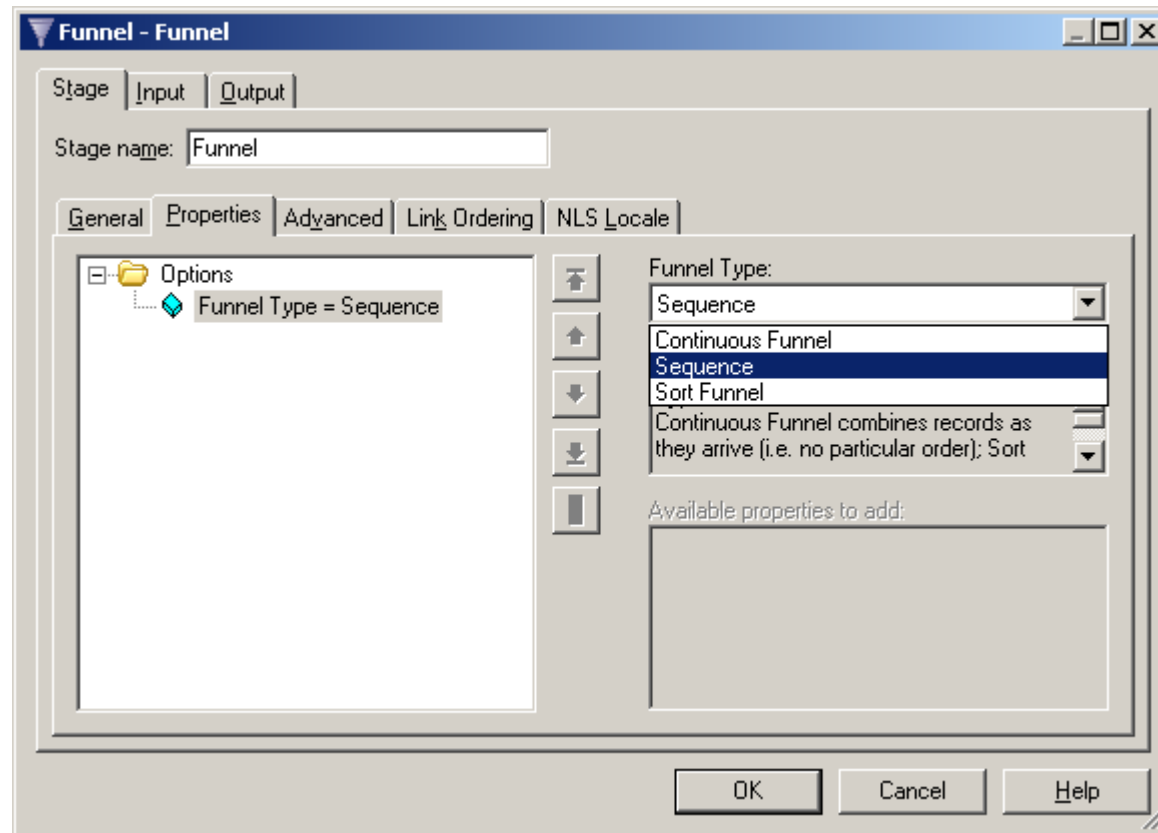
Number	Name	Salary	SalDate	Age
4	Jkl	50000	2005-01-01	27
5	Mno	60000	2005-01-01	28
7	Stu	80000	2005-01-01	30

Output view data :



Number	Name	Salary	SalDate	Age
4	Jkl	50000	2005-01-01	27
5	Mno	60000	2005-01-01	28
7	Stu	80000	2005-01-01	30
1	Abc	10000	2005-01-01	23
3	Ghi	40000	2005-01-01	26
2	Def	20000	2005-01-01	24
6	Pqr	70000	2005-02-01	29

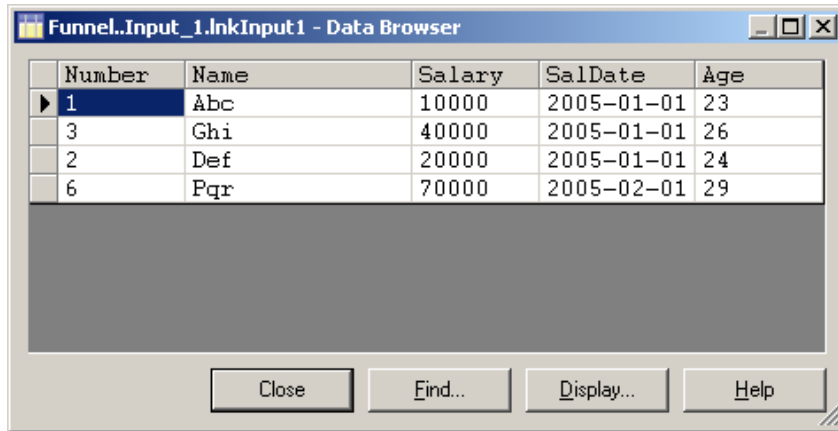
Type – 2 : Sequence



Note : This type of Funnel copies all records from the first input data set to the output data set, then all the records from the second input data set, and so on.

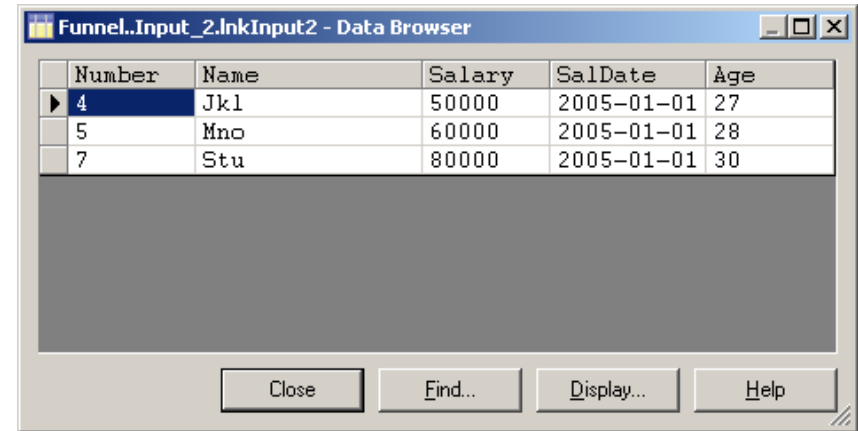
Sequence type ...

Input - 1 view data :



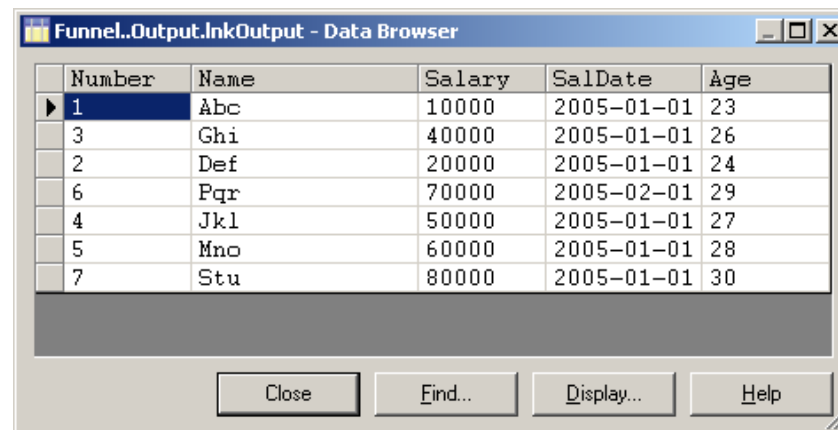
Number	Name	Salary	SalDate	Age
1	Abc	10000	2005-01-01	23
3	Ghi	40000	2005-01-01	26
2	Def	20000	2005-01-01	24
6	Pqr	70000	2005-02-01	29

Input - 2 view data :



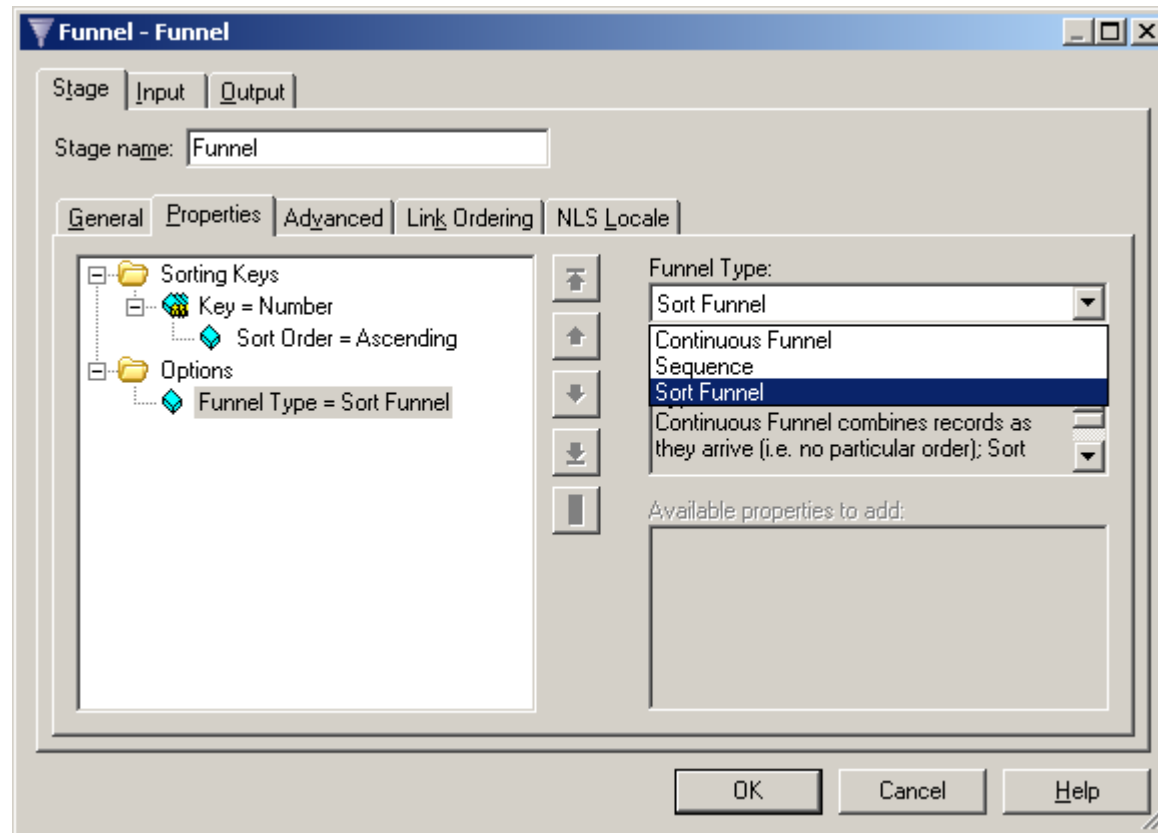
Number	Name	Salary	SalDate	Age
4	Jkl	50000	2005-01-01	27
5	Mno	60000	2005-01-01	28
7	Stu	80000	2005-01-01	30

Output view data :



Number	Name	Salary	SalDate	Age
1	Abc	10000	2005-01-01	23
3	Ghi	40000	2005-01-01	26
2	Def	20000	2005-01-01	24
6	Pqr	70000	2005-02-01	29
4	Jkl	50000	2005-01-01	27
5	Mno	60000	2005-01-01	28
7	Stu	80000	2005-01-01	30

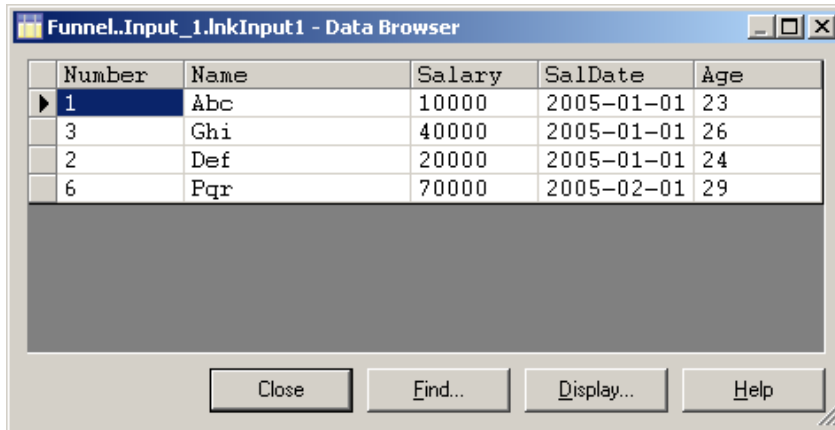
Type – 3 : Sort Funnel



Note : This type of Funnel combines the input records in the order defined by the value(s) of one or more key columns and the order of the output records is determined by these sorting keys.

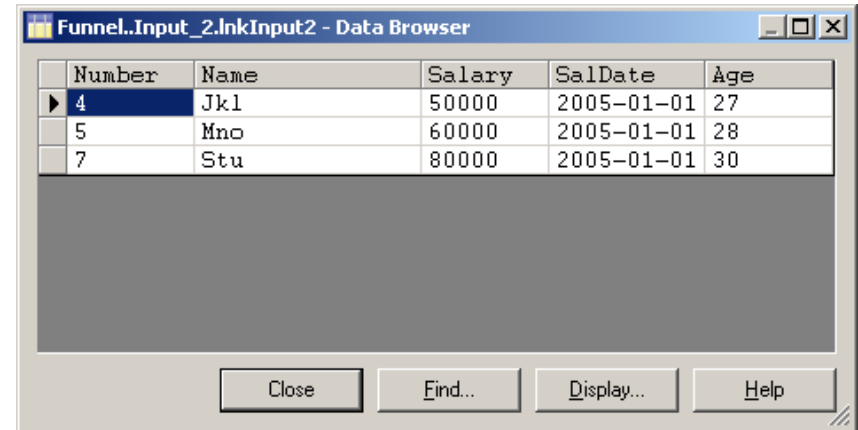
Sort Funnel type ...

Input - 1 view data :



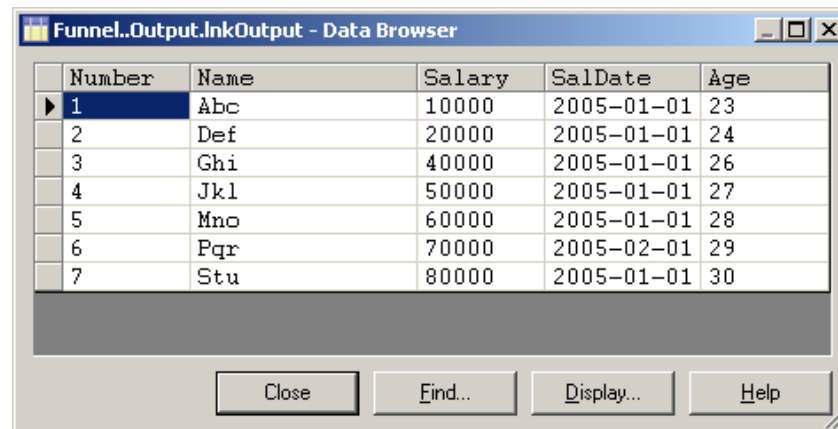
Number	Name	Salary	SalDate	Age
1	Abc	10000	2005-01-01	23
3	Ghi	40000	2005-01-01	26
2	Def	20000	2005-01-01	24
6	Pqr	70000	2005-02-01	29

Input - 2 view data :



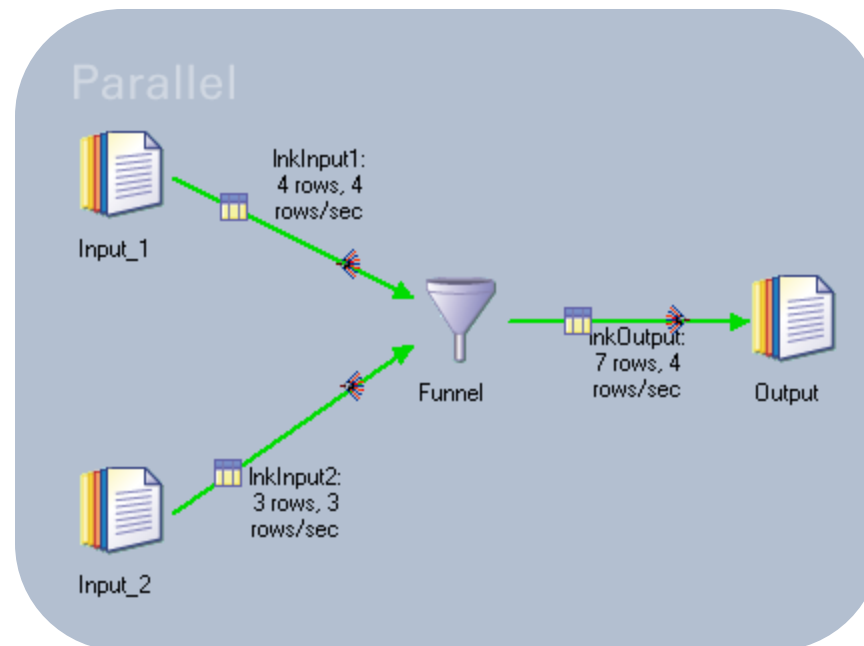
Number	Name	Salary	SalDate	Age
4	Jkl	50000	2005-01-01	27
5	Mno	60000	2005-01-01	28
7	Stu	80000	2005-01-01	30

Output view data :



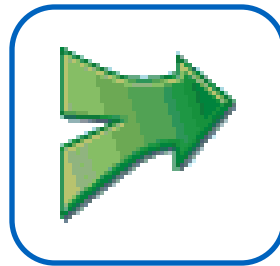
Number	Name	Salary	SalDate	Age
1	Abc	10000	2005-01-01	23
2	Def	20000	2005-01-01	24
3	Ghi	40000	2005-01-01	26
4	Jkl	50000	2005-01-01	27
5	Mno	60000	2005-01-01	28
6	Pqr	70000	2005-02-01	29
7	Stu	80000	2005-01-01	30

Job :



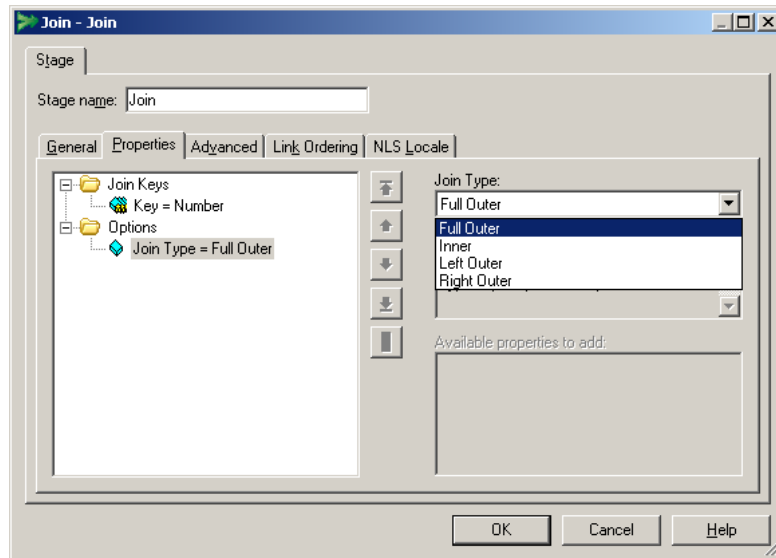
Join Stage :

Definition : Join Stage performs join operations on two or more data sets input to the stage and then outputs the resulting data set.

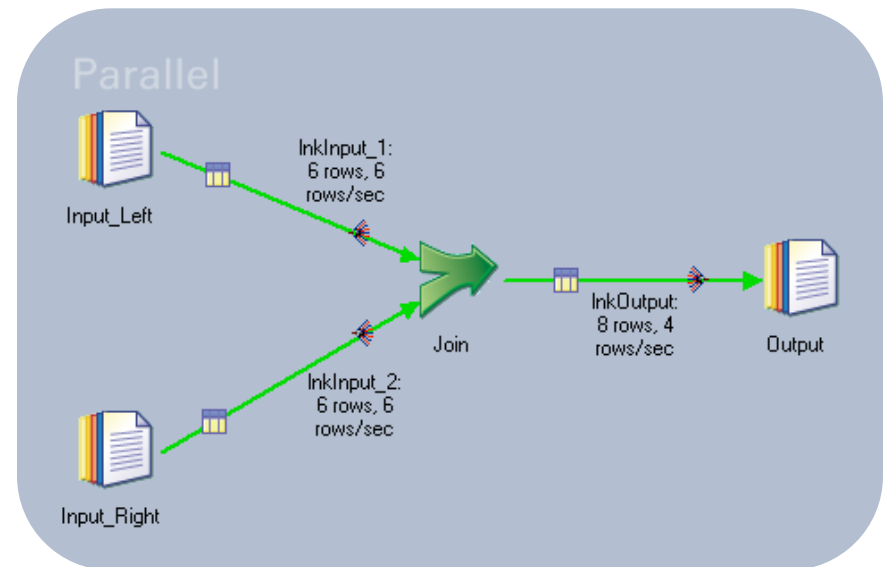


The input data sets are notionally identified as the "right" set and the "left" set, and "intermediate" sets. It has any number of input links and a single output link.

Join Type = Full Outer



Job :



Left Input :

Number	Name	Age
1	Abc	23
2	Def	22
3	Ghi	25
3	Jkl	26
5	Qaf	25
6	Mno	26

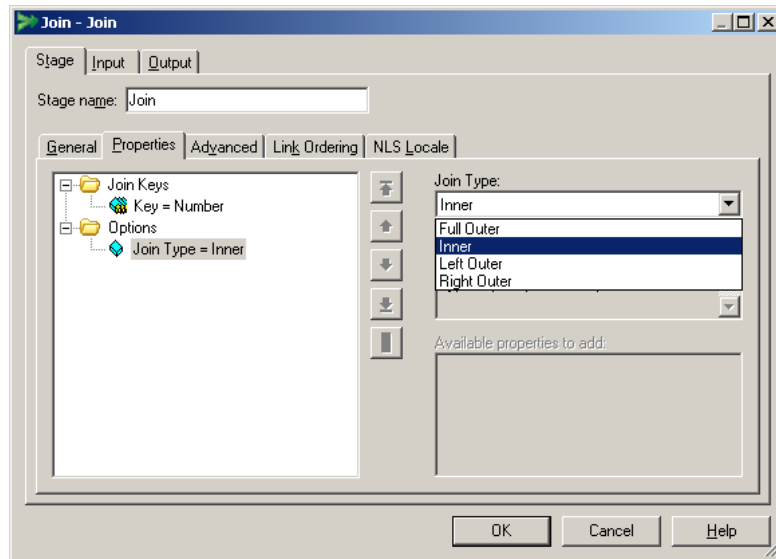
Right Input :

Number	Salary	State
1	1000	TN
3	2000	AP
4	1500	MP
5	4500	AN
5	5000	KL
6	2094	PY

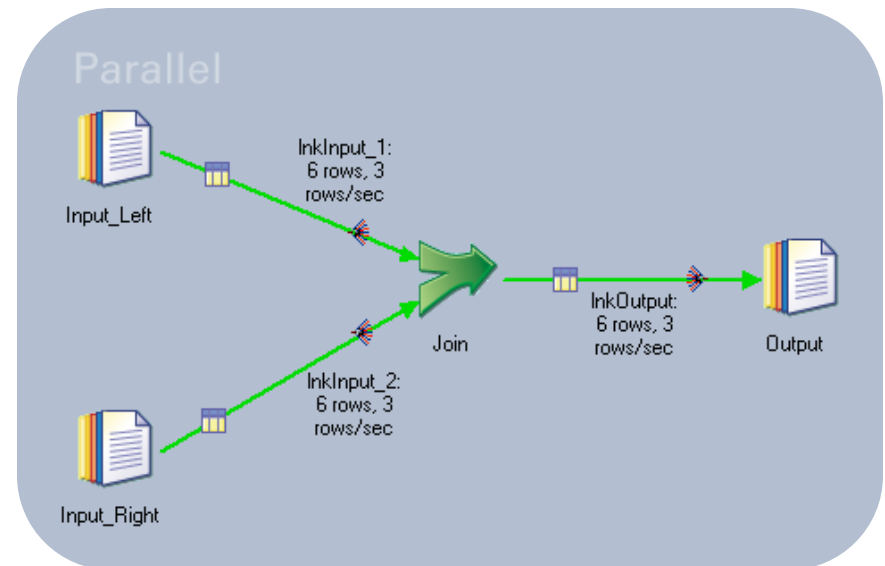
Output :

Left_Number	Name	Age	Right_Number	Salary	State
1	Abc	23	1	1000	TN
2	Def	22	0	0	
3	Ghi	25	3	2000	AP
3	Jkl	26	3	2000	AP
0		0	4	1500	MP
5	Qaf	25	5	4500	AN
5	Qaf	25	5	5000	KL
6	Mno	26	6	2094	PY

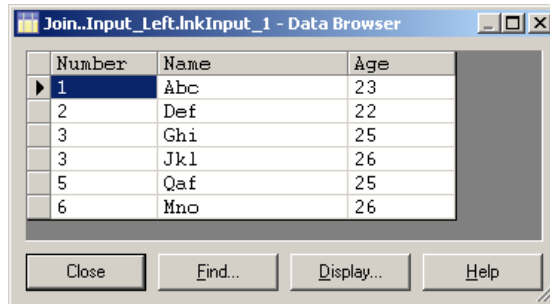
Join Type = Inner



Job :

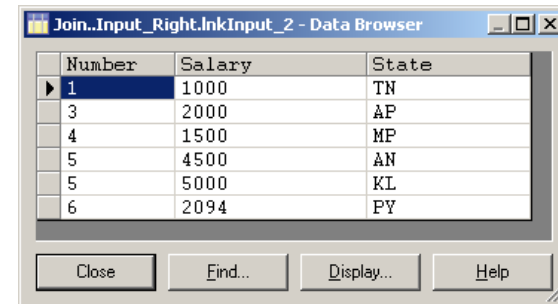


Left Input :



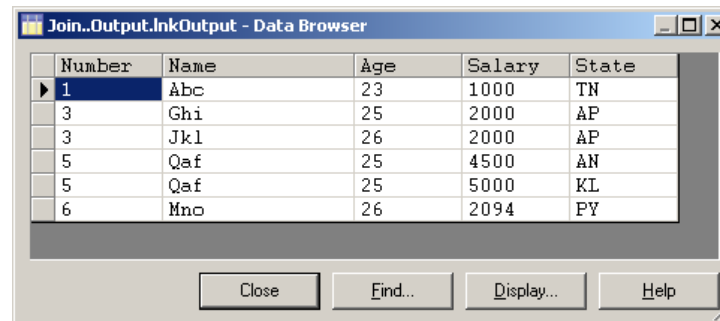
Number	Name	Age
1	Abc	23
2	Def	22
3	Ghi	25
3	Jkl	26
5	Qaf	25
6	Mno	26

Right Input :



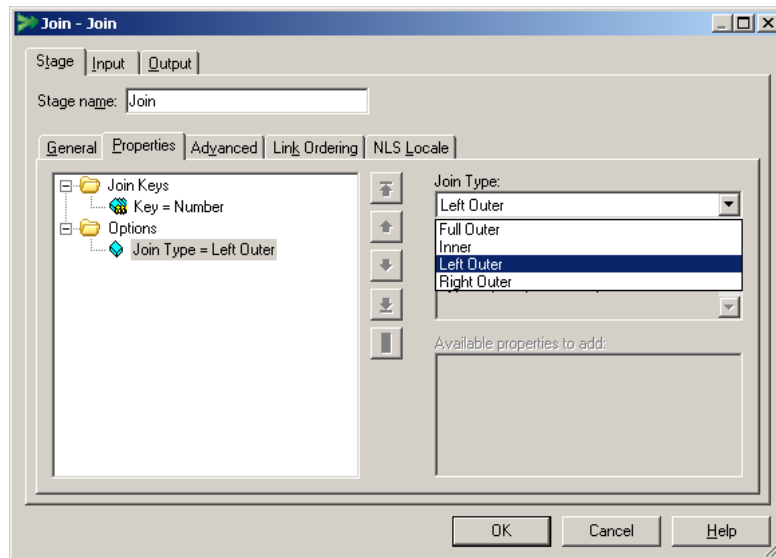
Number	Salary	State
1	1000	TN
3	2000	AP
4	1500	MP
5	4500	AN
5	5000	KL
6	2094	PY

Output :

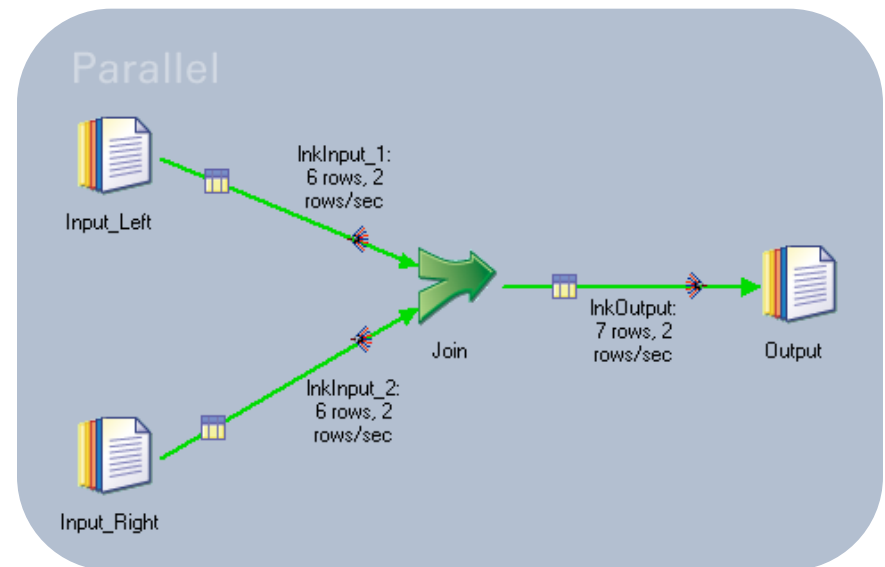


Number	Name	Age	Salary	State
1	Abc	23	1000	TN
3	Ghi	25	2000	AP
3	Jkl	26	2000	AP
5	Qaf	25	4500	AN
5	Qaf	25	5000	KL
6	Mno	26	2094	PY

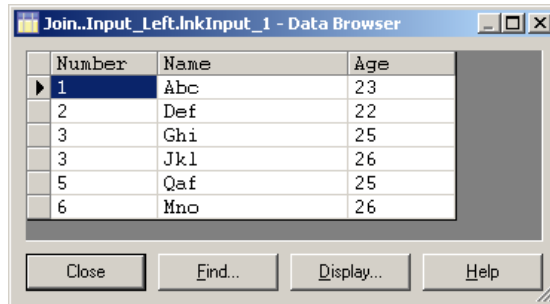
Join Type = Left Outer



Job :



Left Input :

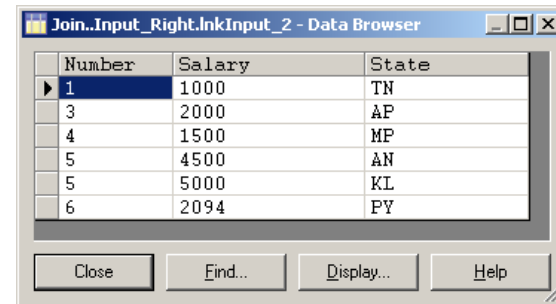


A screenshot of a 'Data Browser' window titled 'Join..Input_Left.InkInput_1'. It contains a table with three columns: 'Number', 'Name', and 'Age'. The data is as follows:

Number	Name	Age
1	Abc	23
2	Def	22
3	Ghi	25
3	Jkl	26
5	Qaf	25
6	Mno	26

The window has buttons for 'Close', 'Find...', 'Display...', and 'Help' at the bottom.

Right Input :

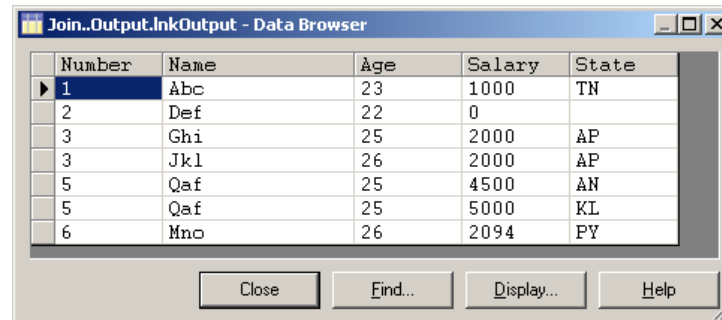


A screenshot of a 'Data Browser' window titled 'Join..Input_Right.InkInput_2'. It contains a table with three columns: 'Number', 'Salary', and 'State'. The data is as follows:

Number	Salary	State
1	1000	TN
3	2000	AP
4	1500	MP
5	4500	AN
5	5000	KL
6	2094	PY

The window has buttons for 'Close', 'Find...', 'Display...', and 'Help' at the bottom.

Output :

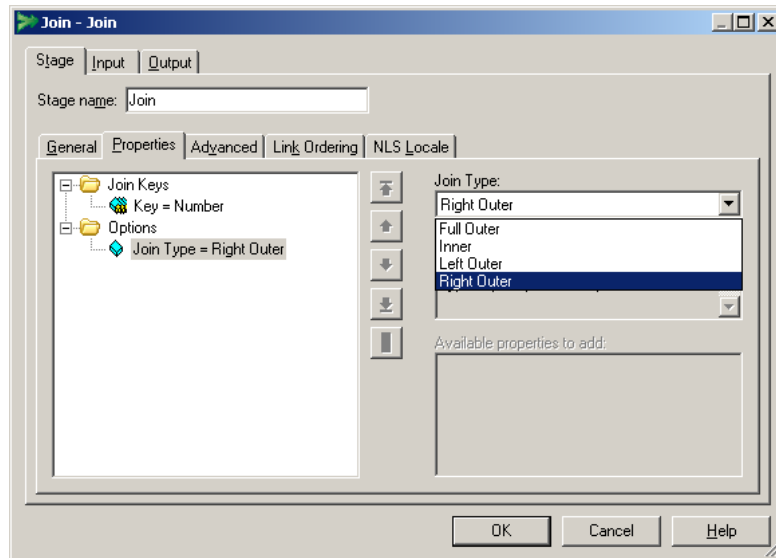


A screenshot of a 'Data Browser' window titled 'Join..Output.InkOutput'. It contains a table with five columns: 'Number', 'Name', 'Age', 'Salary', and 'State'. The data is a result of a join operation, showing rows from both input tables. The data is as follows:

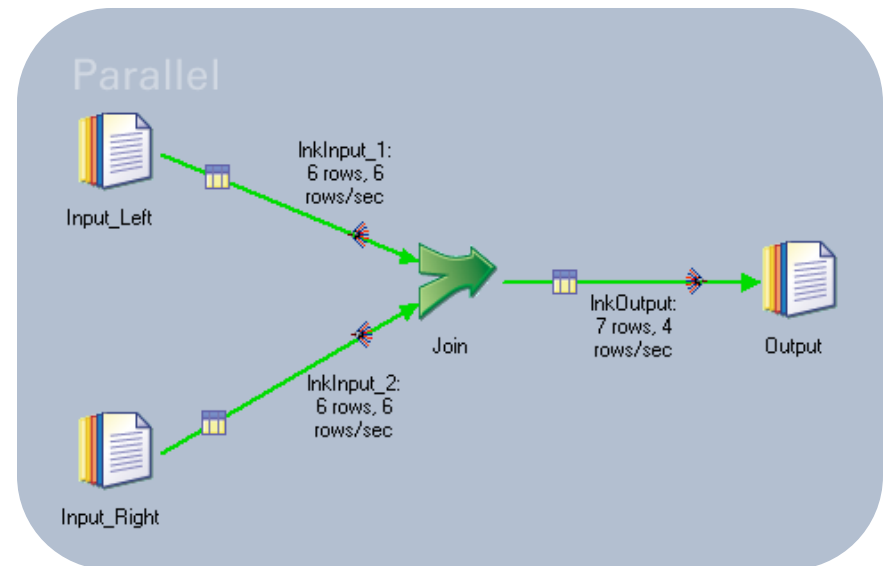
Number	Name	Age	Salary	State
1	Abc	23	1000	TN
2	Def	22	0	
3	Ghi	25	2000	AP
3	Jkl	26	2000	AP
5	Qaf	25	4500	AN
5	Qaf	25	5000	KL
6	Mno	26	2094	PY

The window has buttons for 'Close', 'Find...', 'Display...', and 'Help' at the bottom.

Join Type = Right Outer



Job :



Left Input :

Number	Name	Age
1	Abc	23
2	Def	22
3	Ghi	25
3	Jkl	26
5	Qaf	25
6	Mno	26

Right Input :

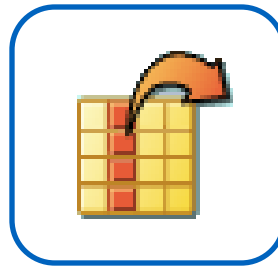
Number	Salary	State
1	1000	TN
3	2000	AP
4	1500	MP
5	4500	AN
5	5000	KL
6	2094	PY

Output :

Name	Age	Number	Salary	State
Abc	23	1	1000	TN
Ghi	25	3	2000	AP
Jkl	26	3	2000	AP
	0	4	1500	MP
Qaf	25	5	4500	AN
Qaf	25	5	5000	KL
Mno	26	6	2094	PY

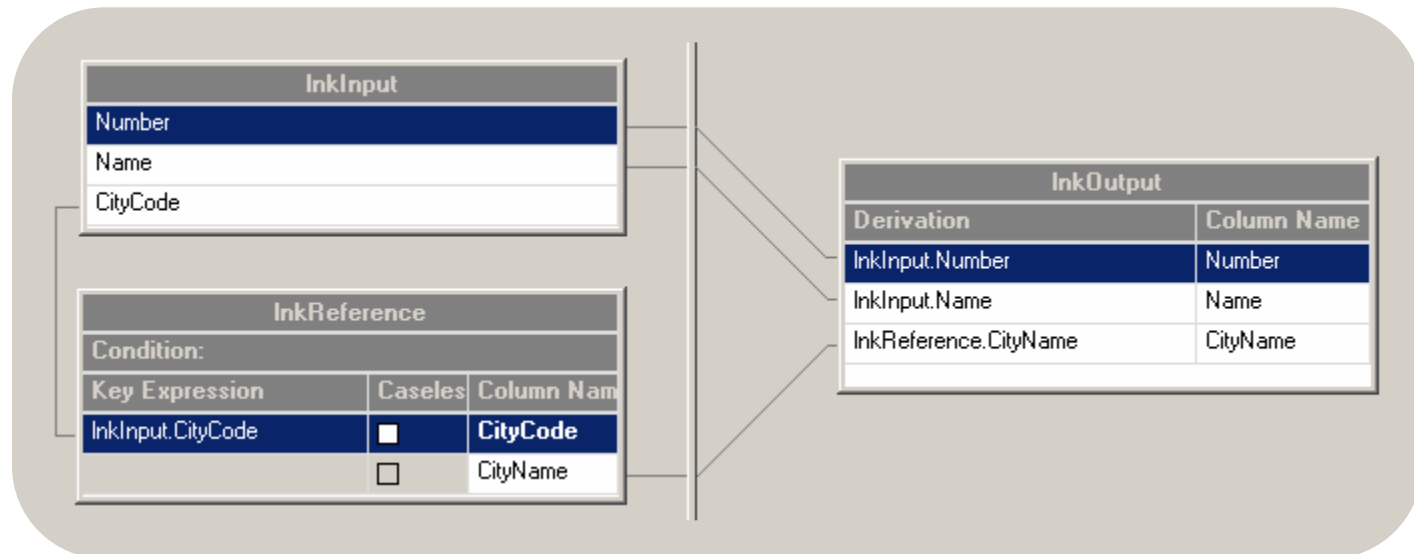
Lookup Stage :

Definition : Lookup Stage used to perform lookup operations on a data set read into memory from any other Parallel job stage that can output data.



It can also perform lookups directly in a DB2 or Oracle database or in a lookup table contained in a Lookup File Set stage.

Mappings :



Input :

Number	Name	CityCode
1	Aravindhana	1
2	Sundar	2
3	Bala	3
4	Arun	1
5	Vazir	4

Output :

Number	Name	CityName
1	Aravindhana	Australia
2	Sundar	United States
3	Bala	Switzerland
4	Arun	Australia

References :

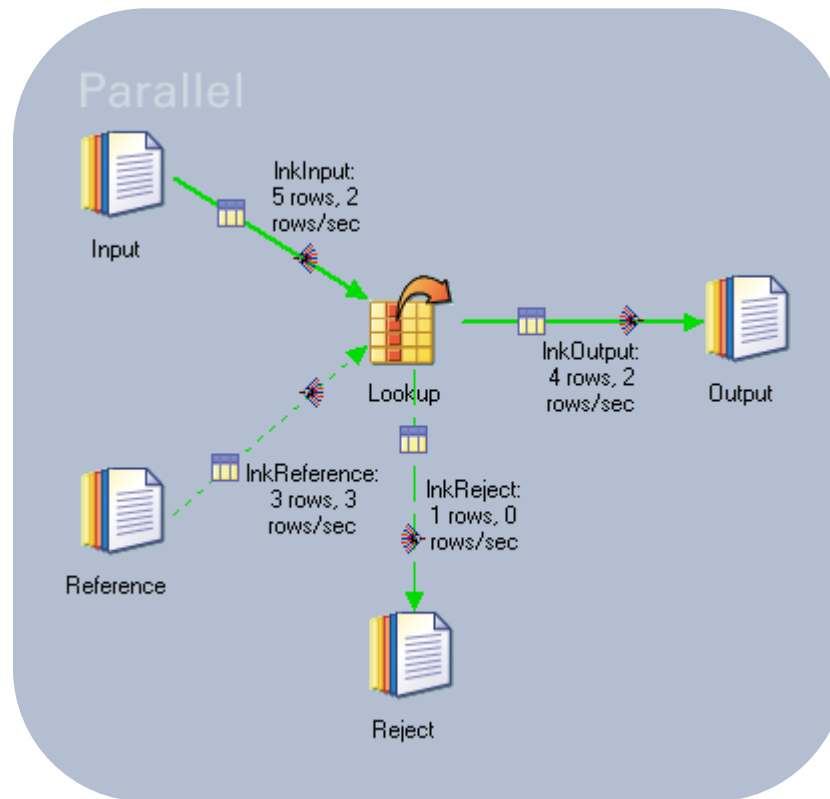
CityCode	CityName
1	Australia
2	United States
3	Switzerland

Reject :

Number	Name	CityCode
5	Vazir	4



Job :



Merge Stage :

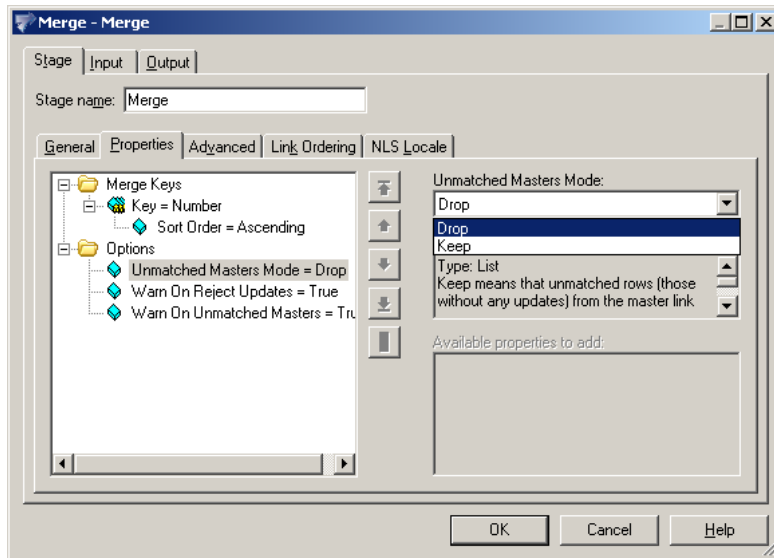
Definition : Join Stage combines a sorted master data set with one or more update data sets. The columns from the records in the master and update data sets are merged so that the output record contains all the columns from the master record plus any additional columns from each update record.



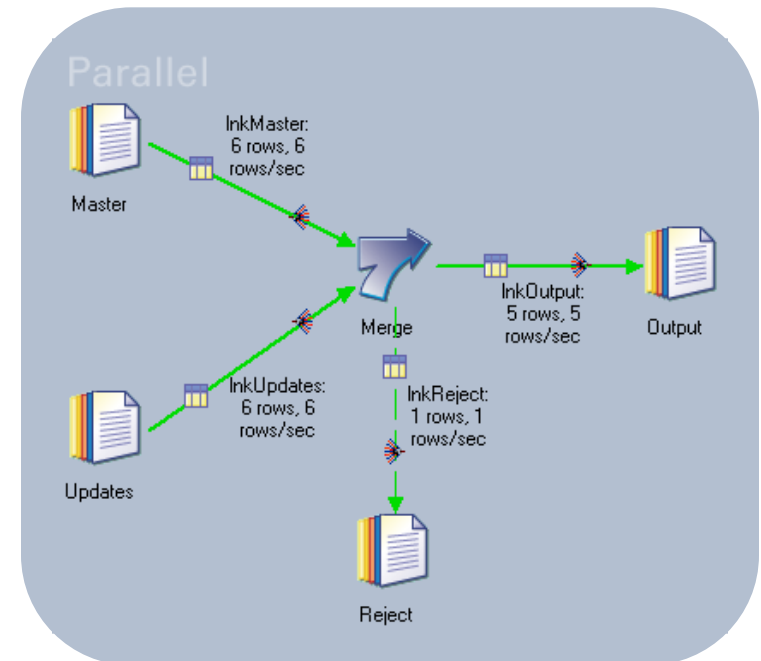
A master record and an update record are merged only if both of them have the same values for the merge key column(s) that you specify. Merge key columns are one or more columns that exist in both the master and update records.

The data sets input to the Merge stage must be key partitioned and sorted. This ensures that rows with the same key column values are located in the same partition and will be processed by the same node.

Unmatched Masters Mode = Drop



Job :



Master :

Join..Input_Left.InkInput_1 - Data Browser

Number	Name	Age
1	Abc	23
2	Def	22
3	Ghi	25
3	Jkl	26
5	Qaf	25
6	Mno	26

Close Find... Display... Help

Output :

Merge..Output.InkOutput - Data Browser

Number	Name	Age	Salary	State
1	Abc	23	1000	TN
3	Jkl	26	2000	AP
5	Qaf	25	4500	AN
5	Qaf	25	5000	KL
6	Mno	26	2094	PY

Close Find... Display... Help

Updates :

Join..Input_Right.InkInput_2 - Data Browser

Number	Salary	State
1	1000	TN
3	2000	AP
4	1500	MP
5	4500	AN
5	5000	KL
6	2094	PY

Close Find... Display... Help

Reject :

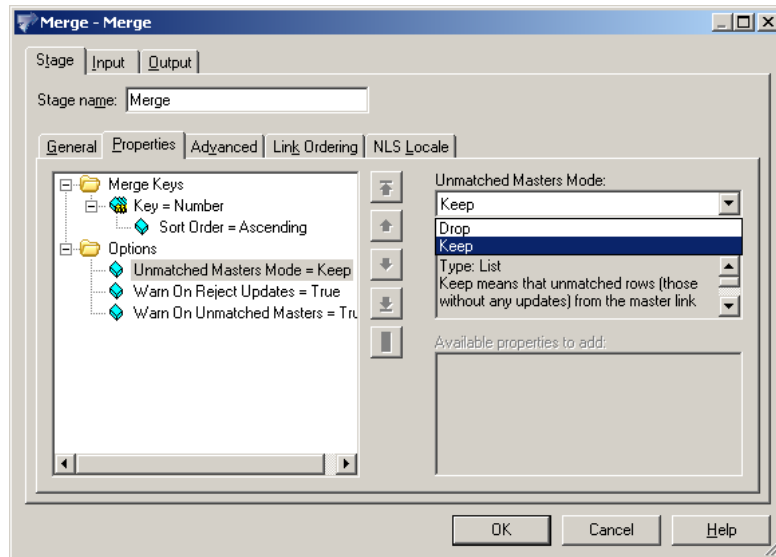
Merge..Reject.InkReject - Data Browser

Number	Salary	State
4	1500	MP

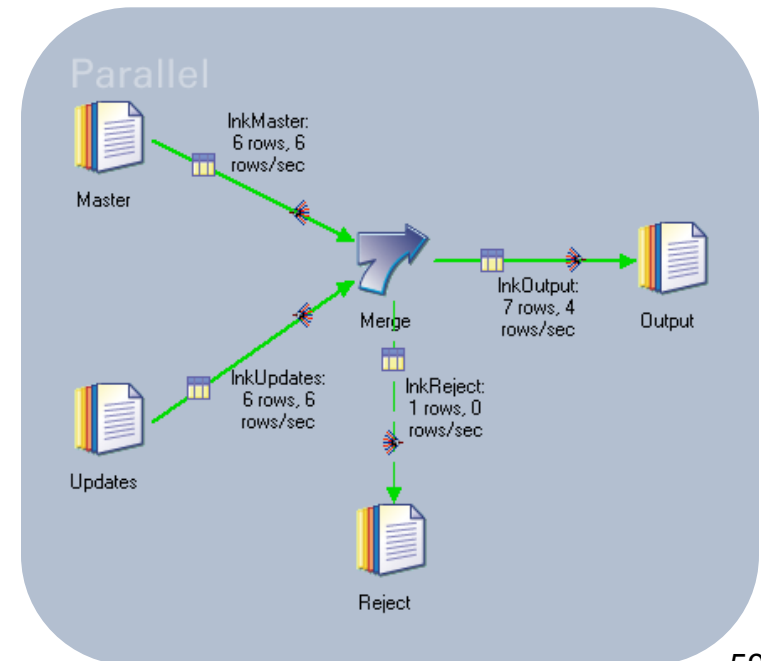
Close Find... Display... Help



Unmatched Masters Mode = Keep



Job :



Master :

Join..Input_Left.InkInput_1 - Data Browser

Number	Name	Age
1	Abc	23
2	Def	22
3	Ghi	25
3	Jkl	26
5	Qaf	25
6	Mno	26

Close Find... Display... Help

Output :

Merge..Output.InkOutput - Data Browser

Number	Name	Age	Salary	State
1	Abc	23	1000	TN
2	Def	22	0	
3	Ghi	25	2000	AP
3	Jkl	26	0	
5	Qaf	25	4500	AN
5	Qaf	25	5000	KL
6	Mno	26	2094	PY

Close Find... Display... Help

Updates :

Join..Input_Right.InkInput_2 - Data Browser

Number	Salary	State
1	1000	TN
3	2000	AP
4	1500	MP
5	4500	AN
5	5000	KL
6	2094	PY

Close Find... Display... Help

Reject :

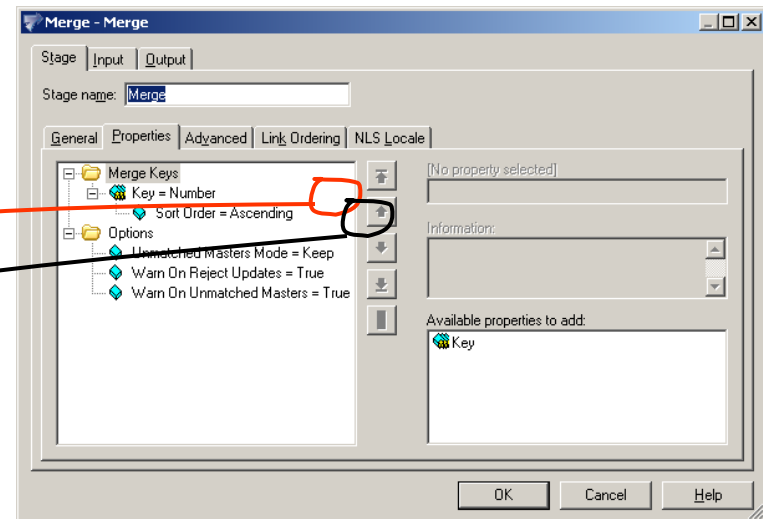
Merge..Reject.InkReject - Data Browser

Number	Salary	State
4	1500	MP

Close Find... Display... Help

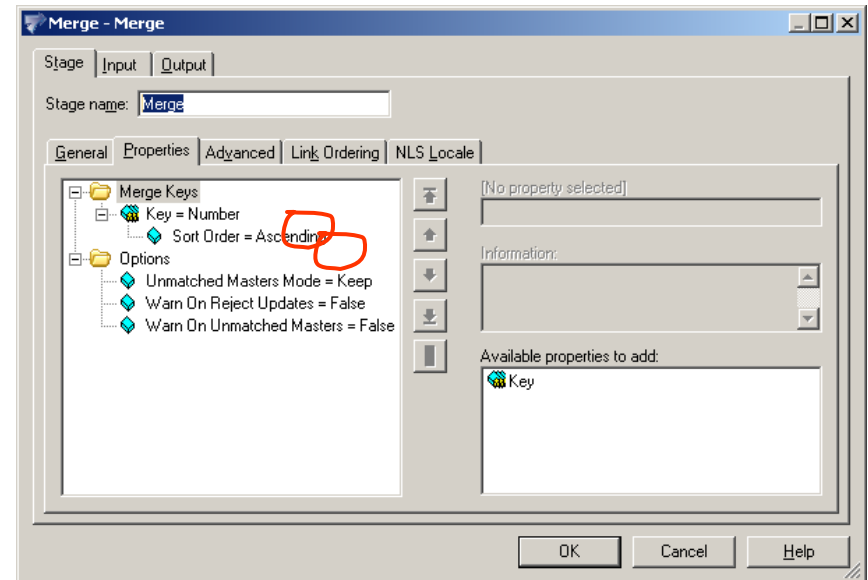


Note : If the options "Warn on Reject Updates = True" and "Warn on Unmatched Masters = True" then the log file shows the warnings on Reject Updates and Unmatched Data from Masters.



>Occurred	>On date	Type	Event
2:08:25 PM	1/6/2004	Control	Starting Job Merge. (...)
2:08:25 PM	1/6/2004	Info	Environment variable settings: (...)
2:08:25 PM	1/6/2004	Info	Parallel job initiated (...)
2:08:25 PM	1/6/2004	Info	Parallel job default NLS map ISO-8859-1, default locale OFF
2:08:26 PM	1/6/2004	Info	main_program: Ascential DataStage(tm) Enterprise Edition 7.5 (...)
2:08:26 PM	1/6/2004	Info	main_program: orchgeneral: loaded (...)
2:08:28 PM	1/6/2004	Info	main_program: APT configuration file: C:/Ascential/DataStage/Configurations/default.apt (...)
2:08:28 PM	1/6/2004	Info	Updates,0: Import complete. 6 records imported successfully, 0 rejected.
2:08:29 PM	1/6/2004	Info	Master,0: Import complete. 6 records imported successfully, 0 rejected.
2:08:29 PM	1/6/2004	Warning	Merge,0: Master record (1) has no updates
2:08:29 PM	1/6/2004	Warning	Merge,0: Master record (3) is a duplicate
2:08:29 PM	1/6/2004	Warning	Merge,0: Update record (2) of data set 1 rejected (no master record)
2:08:29 PM	1/6/2004	Info	Output,0: Export complete. 7 records exported successfully, 0 rejected.
2:08:29 PM	1/6/2004	Info	Reject,0: Export complete. 1 records exported successfully, 0 rejected.
2:08:29 PM	1/6/2004	Info	main_program: Step execution finished with status = OK.
2:08:29 PM	1/6/2004	Info	main_program: Startup Time 0:02 Production Run Time 0:00
2:08:29 PM	1/6/2004	Info	Parallel job reports successful completion
2:08:29 PM	1/6/2004	Control	Finished Job Merge.

Note : If the options "Warn on Reject Updates = False" and "Warn on Unmatched Masters = False" then the log file do not shows the warnings on Reject Updates and Unmatched Data from Masters.



>Occurred	>On date	Type	Event
2:34:09 PM	1/6/2004	Control	Starting Job Merge. (...)
2:34:09 PM	1/6/2004	Info	Environment variable settings: (...)
2:34:09 PM	1/6/2004	Info	Parallel job initiated (...)
2:34:09 PM	1/6/2004	Info	Parallel job default NLS map ISO-8859-1, default locale OFF
2:34:10 PM	1/6/2004	Info	main_program: Ascential DataStage(tm) Enterprise Edition 7.5 (...)
2:34:10 PM	1/6/2004	Info	main_program: orchgeneral: loaded (...)
2:34:12 PM	1/6/2004	Info	main_program: APT configuration file: C:/Ascential/DataStage/Configurations/default.apt (...)
2:34:12 PM	1/6/2004	Info	Master,0: Import complete. 6 records imported successfully, 0 rejected.
2:34:13 PM	1/6/2004	Info	Updates,0: Import complete. 6 records imported successfully, 0 rejected.
2:34:13 PM	1/6/2004	Info	Output,0: Export complete. 7 records exported successfully, 0 rejected.
2:34:13 PM	1/6/2004	Info	Reject,0: Export complete. 1 records exported successfully, 0 rejected.
2:34:13 PM	1/6/2004	Info	main_program: Step execution finished with status = OK.
2:34:13 PM	1/6/2004	Info	main_program: Startup Time 0:03 Production Run Time 0:00
2:34:13 PM	1/6/2004	Info	Parallel job reports successful completion
2:34:13 PM	1/6/2004	Control	Finished Job Merge.



Thank You

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