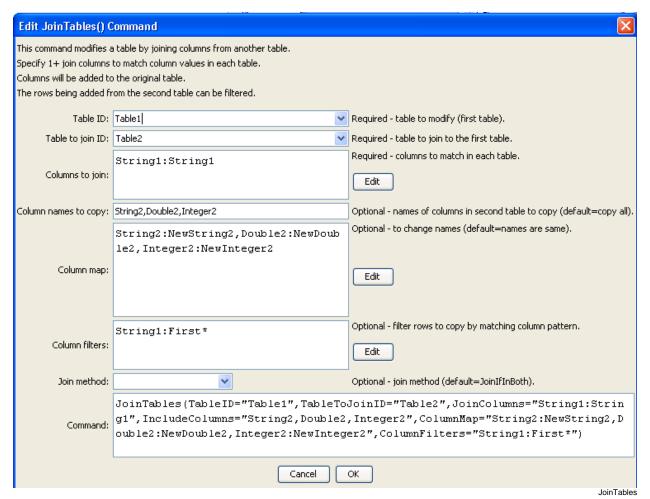
Command Reference: JoinTables()

Joins a second table to a first table by matching column values

Version 10.29.00, 2014-04-21

The JoinTables () command joins two tables that have matching column values, resulting in the first table being modified to contain additional columns from the second table. Rows from the first table are always retained and may optionally have new rows added. Depending on the join method, additional rows may be added in cases where one of the tables does not match the other. All or a subset of the columns and rows from the second table can be included in the result. The functionality of the command is similar to database SQL join statements using left, right, center, etc. join syntax. The following dialog is used to edit the command and illustrates the syntax of the command.



JoinTables() Command Editor

The command syntax is as follows:

JoinTables (Parameter=Value, ...)

Command Parameters

Parameter	Description	Default
TableID	The identifier for the original table. This table will be modified.	None – must be

Parameter	Description	Default
		specified.
TableToJoinID	The identifier for the table to join.	None – must be
		specified.
JoinColumns	The names of columns to be compared in the join, using syntax:	Required – must
	Table1ColumnName1: Table2ColumnName1,	specify at least one
_ , ,	Table1ColumnName2: Table2ColumnName2	column to compare
Include	Specify the names of columns to copy from the second table into the	Copy all of the columns from the
Columns	first table, separated by commas. The columns indicated by	TableToJoinID
	JoinColumns will not be added because they should already be in the table.	table.
ColumnMap	Specify new names for the output columns being included, using	Column names in
COLUMNMAP	syntax:	the result will be
	OriginalTable2ColumnName1:NewColumnName1,	the same as in the
	OriginalTable2ColumnName2:NewColumnName2	original
	originarias io ociaminamo in ociaminamo i	TableToJoinID
		table.
Column	Filters that limit the number of rows being processed, using the syntax:	No filtering.
Filters	Table2Column1:FilterPattern1,	
	Table2Column2:FilterPattern2	
	Patterns can use * to indicate wildcards for matches. Only string	
	values can be checked (other data types are converted to strings for	
	comparison). Comparisons are case-independent. All patterns must be	
	matched in order to copy the row. In the future a command may be	
	added to perform queries on tables, similar to SQL for databases.	
JoinMethod	Indicate how the tables should be joined:	JoinIfInBoth
	• JoinIfInBoth – only add column values from the second table	
	that have matching values in columns specified by JoinColumns	
	• JoinAlways – add rows even if join column values do not	
	match. Rows in the second table that don't match will result in	
	new rows at the bottom of the table, with null/missing values for columns in the first table.	
Handle	This parameter is not yet implemented. Indicate how to handle	
Duplicates	duplicate matches in the TableID table. The current default is that each	
InTableHow	record would be processed without warnings.	
Handle	This parameter is not yet implemented. Indicate how to handle	Fail
Duplicates	duplicate matches in the TableToJoinID table:	
InJoin	• DuplicateRows – duplicate the original row for each match and	
TableHow	join each row with one of the matched rows in the second table.	
	This "flattens" the result by adding more rows.	
	• Fail – generate a failure message and do not perform the join	
	Warn – generate a warning message and do not perform the join	
MatchColumn	This parameter is not yet implemented. Indicate the name of a column	Do not add the
	to add to the joined output table to indicate how the join comparison	column.
	evaluated. This is useful to help with "downstream" data processing.	
	The value of the cell in the table will be set to one of:	
	• OnlyInFirst	
	• OnlyInSecond	
	• InBoth	
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