Command Reference: ManipulateTableString()

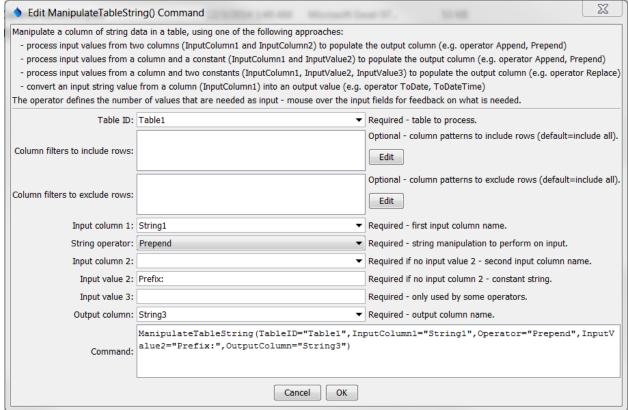
Manipulate string a string column in a table

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The ManipulateTableString() command manipulates a string column in a table. For example, it may be necessary to manipulate strings in a table in order to match time series identifier parts, so that lookups can occur. The input is specified by:

- a table column name (InputColumn1)
- optionally, either a second input column name (InputColumn2) or a constant string value (InputValue2), depending on operator
- optionally, some operators require an additional input value (InputValue3)

The result is placed in the output column (OutputColumn). Missing/blank input will be considered as empty strings when formatting the output. The output column can be the same as an existing table column. The following dialog is used to edit the command and illustrates the syntax of the command (in this case illustrating how the contents of column String2 are prepended to the contents of a column named String1 and placed in the output column String3). Mouse over the various parameter fields to see information about whether the parameters are required for the selected operator.



ManipulateTableString() Command Editor

ManipulateTableString

The command syntax is as follows:

ManipulateTableString(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
TableID	The identifier for the table to process. Can be specified with	None – must be
	\${Property} notation.	specified.
Column	Specify values to match to include rows using syntax:	Include all rows.
Include	Column1: Value1, Column2, Value2, where values can use	
Filters	* for wildcard. All values must be matched to include a row. Can	
	be specified with \${Property} notation.	
Column	Specify values to match exclude rows using syntax:	Include all rows.
Exclude	Column1: Value1, Column2, Value2, where values can use	
Filters	* for wildcard. All values must be matched to exclude a row.	
	Can be specified with \${Property} notation.	
Input	The name of a column containing strings, as the first input. Can	None – must be
Column1	be specified with \${Property} notation.	specified.
Operator	The operation to perform on the input strings:	None – must be
	• Append – append the second input to the first input (requires 2 inputs)	specified.
	Prepend – prepend the second input before the first input	
	(requires 2 inputs)	
	Replace – start with the first input, replace the substring	
	indicated by the second input with that of the third input	
	(requires 3 inputs)	
	• Remove – start with the first input, remove the substring	
	indicated by the second input (requires 2 inputs)	
	Split – split string by delimiter and output part	
	• Substring – split out a substring from the first input, where	
	the second input is the starting character position (1+) and the	
	optional third input is the ending character position (1+)	
	(requires 2 or 3 inputs)	
	ToDate – convert the first input to a DateTime object with	
	date precision	
	• ToDateTime – convert the first input to a DateTime object	
	• ToDouble – convert the first input to a double precision object	
	 ToInteger – convert the first input to an integer object 	
Input	The name of a column containing strings, as the second input.	Required if a 2 nd
Column2	Can be specified with \${Property} notation.	input value is needed
		no InputValue2.
Input	A string constant, as the second input. Can be specified with	Required if a 2 nd
Value2	\${Property} notation. For Replace operator, use ^ to	input value is needed
	indicate start of line, \$ to indicate end of line and \s to indicate	and no
	space.	InputColumn2.
Input	A string constant, as the third input. Can be specified with	Required if a 3 rd input
Value3	\${Property} notation. See note for InputValue2 for	value is needed.
0	Replace operator.	NT 1
Output	The name of a column to receive the output. Can be specified	None – must be
Column	with \${Property} notation.	specified.

The following table describes the parameters that are needed for each operator. This table will be completed for other operators in the future.

Operators and Parameter Requirements

Operator	Parameters Required	Description
Split	InputValue2 and	InputValue2 is the delimiter character and
	InputValue3.	InputValue3 is the part to output (1+).

ManipulateTableString()	Command
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