## Command Reference: FormatTableDateTime()

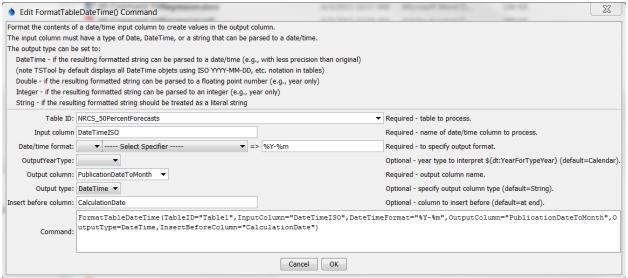
## Format a date/time column in a table

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The FormatTableDateTime () command formats a date/time input column from a table to create a table output column. For example, it may be necessary to reformat a date/time column into an object type that is more suitable for reporting, further processing, or export to a spreadsheet. See also the FormatTableString() command. Formatting occurs as follows:

- 1. The specified date/time column is formatted into a string using the format specifier string specified by the FormatterType and DateTimeFormat parameters. Missing values in input will result in blanks (nulls) in output.
- 2. The resulting string can be converted to another column type (e.g., an integer or double) by specifying the OutputType parameter.

The following dialog is used to edit the command and illustrates the syntax of the command.



FormatTableDateTime() Command Editor

FormatTableDateTime

The command syntax is as follows:

FormatTableDateTime (Parameter=Value, ...)

## **Command Parameters**

Parameter	Description	Default
TableID	The identifier for the table to process. Can be specified using	None – must
	<pre>processor \${Property}.</pre>	be specified.
InputColumn	The name of the input date/time column to process. The column can contain date/time objects or strings that can be parsed into date/time objects. Can be specified using processor \${Property}.	None – must be specified.
FormatterType	The date/time formatter type that defines DateTimeFormat:	С

Parameter	Description	Default
	<ul> <li>C - the C programming language strftime () function, which has been widely copied (described below).</li> <li>MS - Microsoft convention (currently not supported but may be added in the future).</li> </ul>	
DateTimeFormat	The format specifier string used to format the date/time values. Specify as many format specifiers as appropriate. All other characters will be transferred to the output string. See the table below for valid specifiers. Can be specified using processor \${Property}.	None – must be specified.
OutputYearType	Indicate the year type used to transform the date/time to an output. For example, specify OutputYearType=Water and DateTimeFormat=\${dt:YearForYearType} to output the water year corresponding to the input date/time.	
OutputColumn	The name of the column to receive the output. If the column does not exist in the table it will be created, considering OutputType. Can be specified using processor \${Property}.	None – must be specified.
OutputType	Specify if the output column should be other than a String. Successful conversion to the output type requires that the format string result is consistent with the desired output type.	String
InsertBefore Column	The name of the column before which the output column should be inserted (if the output column needs to be created).  Can be specified using processor \${Property}.	Insert at the end of the table.

The following table lists the supported format strings for FormatterType=C:

## Supported C (Strftime) Format Specifiers

Format Specifier	Description
%a	Weekday abbreviation (e.g., Sun)
%A	Weekday (e.g., Sunday).
%b	Month abbreviation (e.g., Jan).
%B	Month (e.g., January).
%d	Day (01-31).
%H	Hour (00-23).
%I	Hour (01-12).
%j	Day of year (001-366).
%m	Month (01-12).
%M	Minute (00-59).
%p	AM, PM (noon=PM, midnight=AM).
%S	Second (00-59).
%S	Number of seconds since Jan 1, 1970 00:00:00
- % Λ	Year (00-99).
%Y	Year (0000-9999).
%Z	Time zone (e.g., MST).
<pre>\${dt:YearForYearType}</pre>	4-digit year for the given OutputYearType.