# Command Reference: WriteTableToExcel()

## Write a table to a Microsoft Excel workbook file

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### This command is under development.

The WriteTableToExcel() command writes a table to a worksheet in a Microsoft Excel workbook file. A contiguous block of cells (rectangle) must be specified in one of the following ways to receive the table:

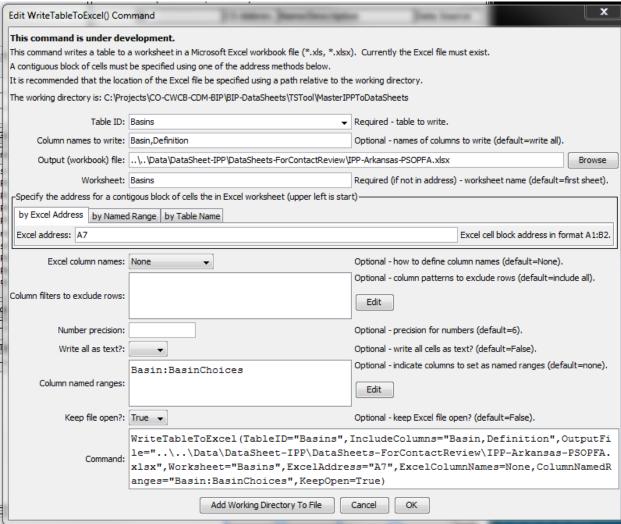
- Specify the upper-left cell in a range of cells using Excel address notation (e.g., A1)
- Specify a range of cells using Excel address notation (e.g., A1:D10)
- Specify the name of an Excel named range.
- Specify a table name (essentially a named range).

TSTool uses the Apache POI software, version 3.9 (http://poi.apache.org) to read/write the Excel file and consequently functionality is constrained by the features of that software package.

The following are limitations of this command:

- Currently only the upper-left cell is utilized but in the future the range may be used to limit output.
- Cell data types are determined from the table columns being written. In the future a parameter may be provided to allow option of using original Excel formatting.

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



## WriteTableToExcel() Command Editor

WriteTableToExcel

The command syntax is as follows:

WriteTableToExcel(Parameter=Value,...)

#### **Command Parameters**

Parameter	Description	Default
TableID	Identifier for table to write.	None – must be
		specified.
IncludeColumns	Names of columns in table to write.	Write all columns.
OutputFile	The name of the Excel workbook file (*.xls or	None – must be
	*.xlsx) to write, as an absolute path or relative	specified.
	to the command file location. If the Excel file	
	does not exist it will be created.	

Parameter	Description	Default
Worksheet	The name of the worksheet in the workbook to	Write to the first
	write. If the worksheet does not exist it will be	worksheet.
	created.	
ExcelAddress	Indicates the block of cells to write, using Excel	Must specify address
	address notation (e.g., A1: D10).	using one of available
		address parameters.
ExcelNamedRange	Indicates the block of cells to write, using an	Must specify address
	Excel named range.	using one of available
		address parameters.
ExcelTableName	Indicates the block of cells to write, using an	Must specify address
	Excel named range.	using one of available
		address parameters.
ExcelColumn	Indicate how to determine the column names	None
Names	for the Excel table (in order to not overwrite	
	with data rows), one of:	
	• FirstRowInRange - column names are	
	written to the first row in the Excel address	
	range	
	• None – column names are not written	
	RowBeforeRange - column names are	
	written to the row before the Excel address	
	range	
ColumnExclude	Indicate table column names and pattern to use	Include all rows.
Filters	to exclude rows. For example, exclude rows	
	with blanks in columns. The format of the	
	parameter is:	
	ColumnNamel:Pattern1,	
	ColumnName2:Pattern2,	
	where patterns can contain * to match a	
	substring.	
NumberPrecision	The number of digits to the right of the decimal	6
	to use for numeric columns that are not	
	identified as integer columns.	
WriteAllAsText	Indicate with True or False whether all	False — handle table
	columns in the Excel address block should be	column types according
	treated as text columns.	to the table column
		types and Excel
		formatting
ColumnNamedRanges	The map of column names to named ranges,	No named ranges will
	useful when the column of values is used as	be defined.
	choices in Excel data validation.	
KeepOpen	Indicate whether to keep the Excel file open	False
	(True) or close after creating (False).	
	Keeping the file open will increase performance	
	because later commands will not need to reread	
	the workbook. Make sure to close the file in the	
	last Excel command.	

TSTool Documentation

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