

# Command Reference: CopyTable()

## Create a table as a full or partial copy of a table

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The `CopyTable()` command copies all or a subset of the columns and rows from one table to create a new table. For example, this is useful to create one-column lists that can be used to expand template files with the `ExpandTemplateFile()` command, or to create a subset of a table to output to a file or write to a database (for example filter a large table by geographic area or other criteria). The following dialog is used to edit the command and illustrates the syntax of the command (in this case illustrating how values in a column named `LocationID` are copied to a new table).

CopyTable

### CopyTable() Command Editor

The command syntax is as follows:

```
CopyTable (Parameter=Value,...)
```

### Command Parameters

Parameter	Description	Default
TableID	The identifier for the original table.	None – must be specified.
NewTableID	The identifier for the new table.	None – must be specified.

Parameter	Description	Default
IncludeColumns	The names of columns to copy, separated by commas.	Copy all of the columns.
DistinctColumns	<p>The names of columns to copy, separated by commas. Only distinct values from the specified column(s) will be copied. For example, if column A contains strings X, Y, Z, Y, C, the resulting distinct value column will have rows with X, Y, Z, C. The following behavior is implemented:</p> <ul style="list-style-type: none"> <li>• If multiple column names are specified, the unique combination of the values will be checked.</li> <li>• If only the DistinctColumns are to be in the copy, specify the columns with IncludeColumns.</li> <li>• If columns other than DistinctColumns are in IncludeColumns, then the distinct row will be output.</li> <li>• Prior to TSTool 10.26.00, DistinctColumns would override IncludeColumns.</li> <li>• Column values null, and blank strings are not considered in distinct comparisons.</li> </ul>	Don't do a distinct comparison.
ColumnMap	The new names for the output columns, using syntax: OriginalColumn1:NewColumn1, OriginalColumn2:NewColumn2	The column names in the copy will be the same as in the original table.
ColumnFilters	<p>Filters that limit the number of rows being copied, using the syntax: FilterColumn1:FilterPattern1, FilterColumn2:FilterPattern2</p> <p>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.</p>	No filtering.
ColumnExcludeFilters	<p>Filters that exclude rows being copied, by matching column values: ColumnExcludeFilter1:FilterPattern1, ColumnExcludeFilter2:FilterPattern2</p> <p>Patterns can use * to indicate wildcards for matches. Only string values can be checked (other data types are converted to strings for comparison). All patterns must be matched to exclude the row.</p>	
RowCountProperty	The row count for the copy will be set as a processor property. This is useful for error-checks (e.g., check that number of time series read with ReadTimeSeriesList() matches the expected count.	