

Command Reference: CopyTable()

Create a table as a (partial) copy of a table

Version 10.26.00, 2013-12-10

The `CopyTable()` command copies all or a subset of the columns 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 columns to output to a file or write to a database.

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).

Table ID: Table1 Required - original table.

New table ID: Table1Copy Required - unique identifier for the new table.

Column names to copy: String Optional - names of columns to copy (default=copy all).

Distinct column names: String Optional - names of columns to filter distinct combinations (default=copy all).

Column map: Optional - to change names (default=names are same).

Column filters: Optional - filter rows to copy by matching column pattern (default=copy all rows).

Row count property: CopyRowCount Optional - processor property to set as output table row count.

Command: CopyTable (TableID="Table1",NewTableID="Table1Copy",IncludeColumns="String",DistinctColumns="String",RowCountProperty="CopyRowCount")

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.
IncludeColumns	The names of columns to copy, separated by commas.	Copy all of the

Parameter	Description	Default
		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"> • If multiple column names are specified, the unique combination of the values will be checked. • If only the DistinctColumns are to be in the copy, specify the columns with IncludeColumns. • If columns other than DistinctColumns are in IncludeColumns, then the distinct row will be output. • Prior to TSTool 10.26.00, DistinctColumns would override IncludeColumns. • Column values null, and blank strings are not considered in distinct comparisons. 	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. In the future a command may be added to perform queries on tables, similar to SQL for databases.</p>	No filtering.
RowCount Property	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.	