
Command Reference: ReadTableFromDataStore()

Read a table from a data store

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The `ReadTableFromDataStore()` command reads a table from a data store that is associated with a database. This command is useful when the database can provide results with a simple query. The query is handled as follows:

- the query is constructed from the provided database table/view name and column names
- the table or view must be readable (some databases restrict direct access to data and require that stored procedures are used)
- the resulting table in TSTool will have columns with data types that closely match the database tables; data will be treated as strings if unable to match the database column type
- null values in the database will transfer to null values in the TSTool table
- the output can be sorted by specifying column names
- “where” clauses are not supported but may be added in the future
- the list of tables is filtered to remove internal database tables; however, this capability varies by database product and in some cases internal tables will be listed

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

Edit ReadTableFromDataStore() Command

This command reads a table from a database table or view.

Data store: Required - data store containing table to read.

Data store table: Required - database table/view to read.

Data store columns: Optional - database table/view columns, separated by commas.

Order by: Optional - columns to sort by, separated by commas.

Table ID: Required - unique identifier for the table to be created.

Command:

```
ReadTableFromDataStore (DataStore="RiversideDB_TSTool", DataStoreTable="MeasType", TableID="MeasType")
```

ReadTableFromDataStore() Command Editor

ReadTableFromDataStore

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
DataStore	A database data store name to read. Data stores for web services or files cannot generally be queried using this command.	None – must be specified.
DataStoreTable	The name of the database table or view to read. A list of choices is provided, based on the data store. An attempt is made to remove system and internal database tables from the list.	None – must be specified.
DataStoreColumns	The names of the columns to read, separated by commas.	All columns from DataStoreTable are read.
OrderBy	A list of column names separated by commas to control the order of output.	Do not sort results.
TableID	Identifier to assign to the table that is read, which allows the table data to be used with other commands.	None – must be specified.