
Command Reference: WritePropertiesToFile()

Write one or more time series processor properties to a file

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The `WritePropertiesToFile()` command writes the value of one or more time series processor properties to a file (this command replaces the older `WriteProperty()` command, which is being phased out). The `ReadPropertiesFromFile()` command can be used to read properties from a file. Processor properties include global defaults such as `InputStart`, `InputEnd`, `OutputStart`, `OutputEnd`, `OutputYearType`, `WorkingDir`, and also user-defined properties set with the `SetProperty()` command. Internally, properties have a name and a value, which is of a certain type (string, integer, date/time, etc.). Examples of using the command include:

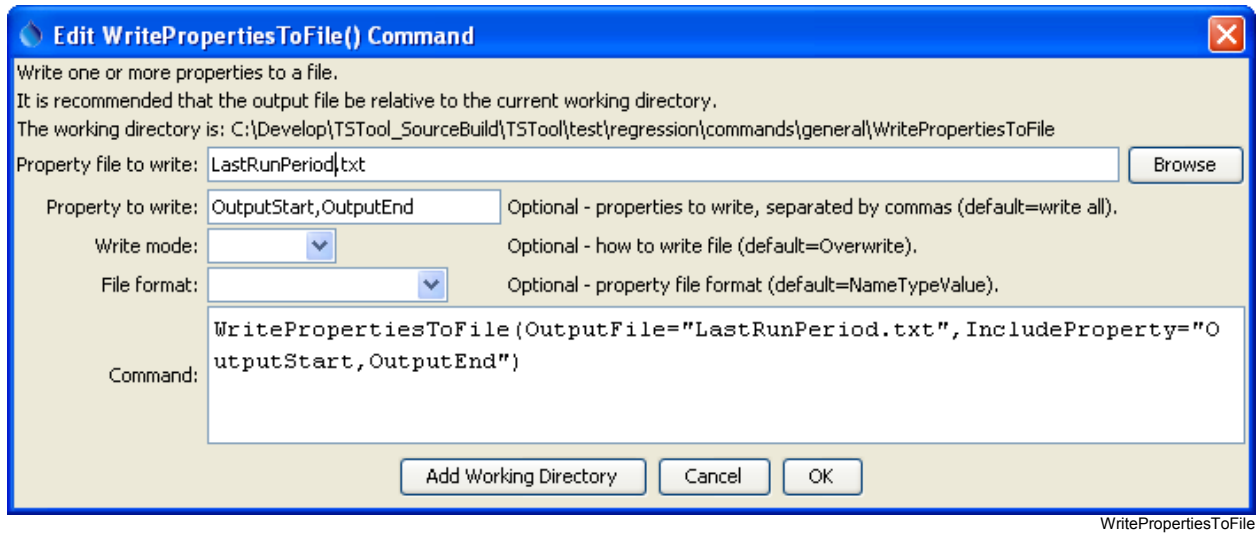
- creating tests to verify that properties are being set
- passing information from TSTool to another program, such as a Python script
- storing persistent information for later use, such as the date/time that data were last downloaded from a web service

A number of property formats are supported as listed in the following table.

Property File Formats

Format	Description
NameValue	Simple format, all properties handled as text: <code>PropertyName=PropertyValue</code> <code>PropertyName="Property value, quoted if necessary"</code>
NameTypeValue	Same as NameValue format, with non-primitive objects treated as simple constructors: <code>PropertyName=PropertyValue</code> <code>DateTimeProperty=DateTime("2010-10-01 12:30")</code>
NameTypeValue Python	Similar to the NameTypeValue format, however, objects are represented using "Pythonic" notation, to allow the file to be used directly by Python scripts: <code>PropertyName="PropertyValue"</code> <code>DateTimeProperty=DateTime(2010,10,1,12,30)</code>

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



WritePropertiesToFile() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
OutputFile	The property file to write, as an absolute path or relative to the command file.	None – must be specified.
IncludeProperty	The names of properties to write, separated by commas.	If not specified, all processor properties will be written.
WriteMode	Indicates how the file should be written: <ul style="list-style-type: none"> Append – append the properties to the file without checking for matches (create the file if it does not exist) Overwrite – overwrite the properties file Update – update the properties in the file by first checking for matching property names (which will be updated) and then appending unmatched properties (not yet implemented) 	Overwrite
FileFormat	Format of the properties file (see descriptions in the above Property File Formats table): <ul style="list-style-type: none"> NameValue NameTypeValue NameTypeValuePython 	NameValue