Command Reference: WritePropertiesToFile()

Write one or more time series processor properties to a file

Version 11.02.03, 2015-05-27

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 `SetProperty()` and other commands. Internally, properties have a name and a value, which is of a certain type (Boolean, 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

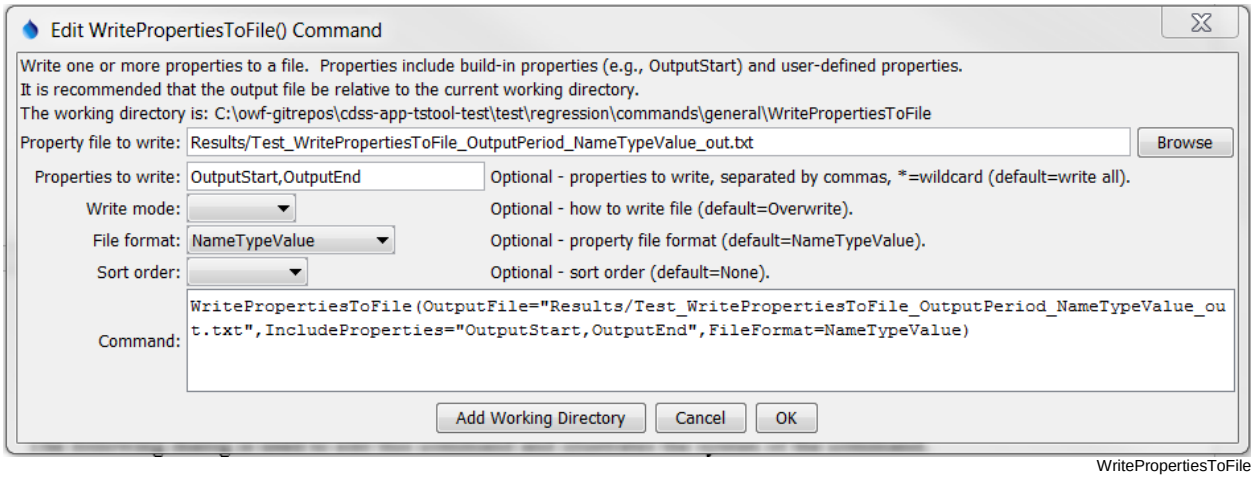
Format	Description

`NameValue`	Simple format, all properties handled as text:
	`PropertyName=PropertyValue`
	`PropertyName="Property value, quoted if necessary"`

`NameTypeValue`	Same as `NameValue` format, with non-primitive objects treated as simple constructors:
	`PropertyName=PropertyValue`
	`DateTimeProperty=DateTime("2010-10-01 12:30")`

`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:
	`PropertyName="PropertyValue"`
	`DateTimeProperty=DateTime(2010,10,1,12,30)`

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



WritePropertiesToFile

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.
`IncludeProperties`	The names of properties to write, separated by commas. The `*` wildcard can be used to indicate multiple properties.	If not specified, all processor properties will be written.
`WriteMode`	Indicates how the file should be written: • `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): • `NameValue` • `NameTypeValue` • `NameTypeValuePython`	`NameValue`
`SortOrder`	The order to sort properties: • `Ascending` • `Descending` • `None`	`None` – order depends on order in processor.