Command Reference: SetProperty()

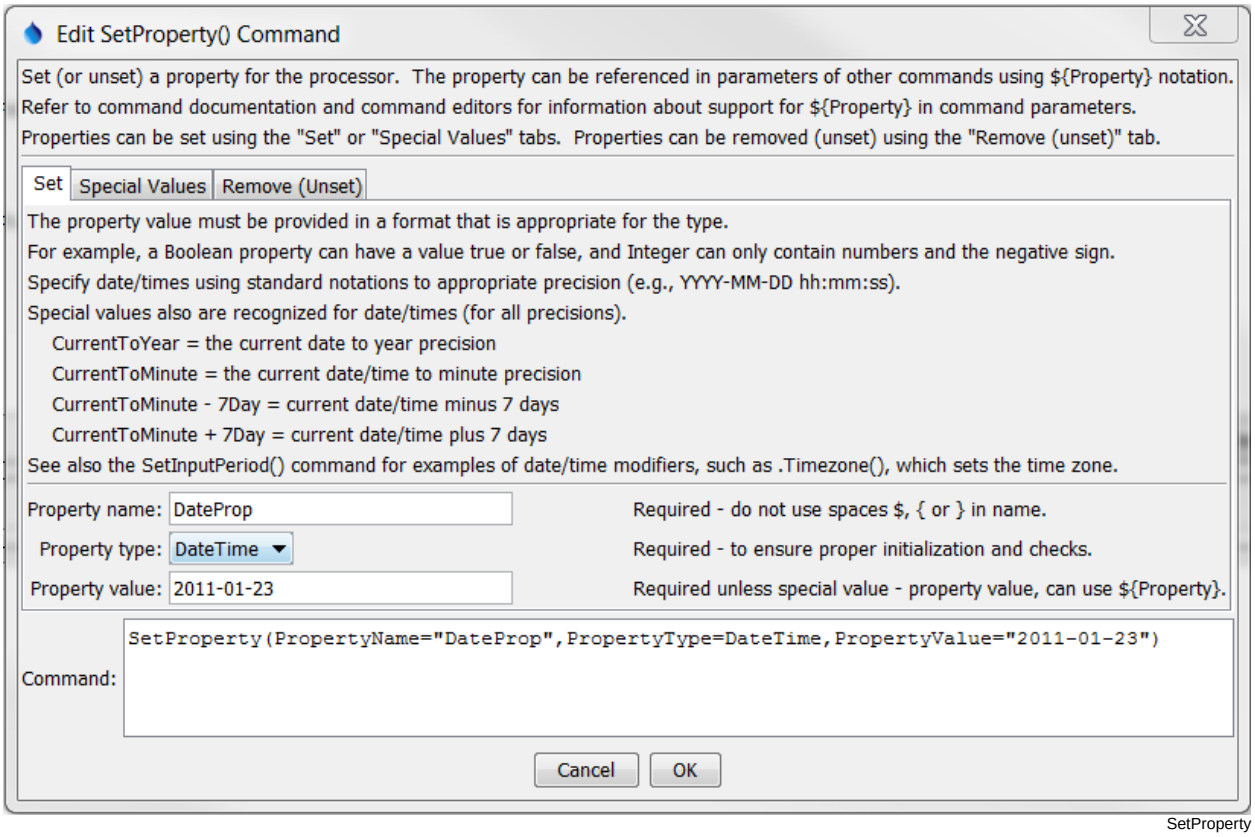
Set a property for the time series processor

Version 11.12.05, 2016-09-18

The `SetProperty()` command sets the value of a property used by the time series processor. The property will be available to subsequent commands that support using `${Property}` notation in parameters, for example to specify filenames more dynamically or use with `If()` commands. This command should not be confused with the `SetTimeSeriesProperty()` command, which sets a property on specific time series. The following functionality is provided:

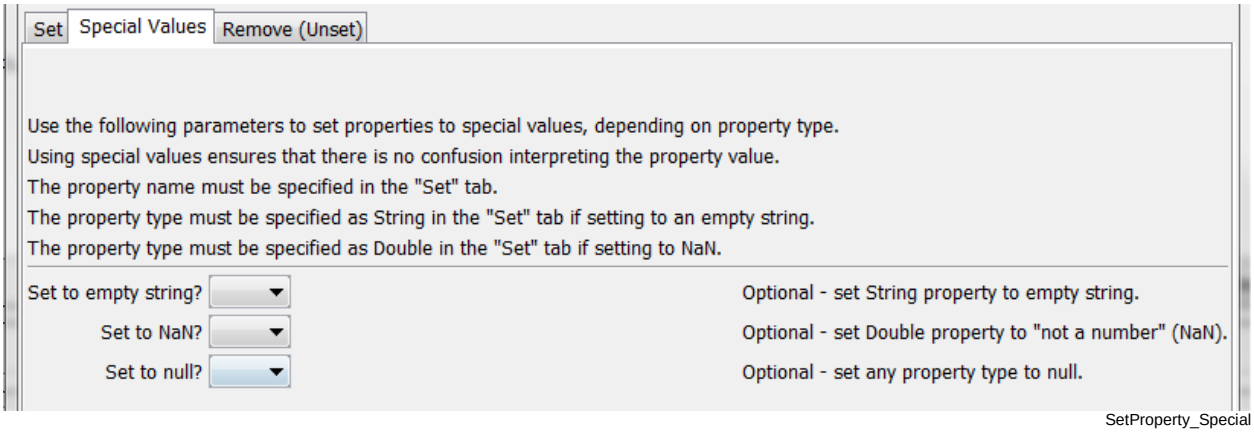
- Set a property to a specified value, where the property can be a Boolean, String, DateTime, Double, or Integer type.
- Set a property to a special value such as empty string that may be difficult to assume from the normal property value.
- Remove an existing property so that it is no longer available to the processor. Care should be taken to understand the implications of removing a property. For example, if the property is used in later commands, then removing will cause the processor to not find the property. It may be more appropriate, for example, to set a string property to an empty string rather than removing.

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



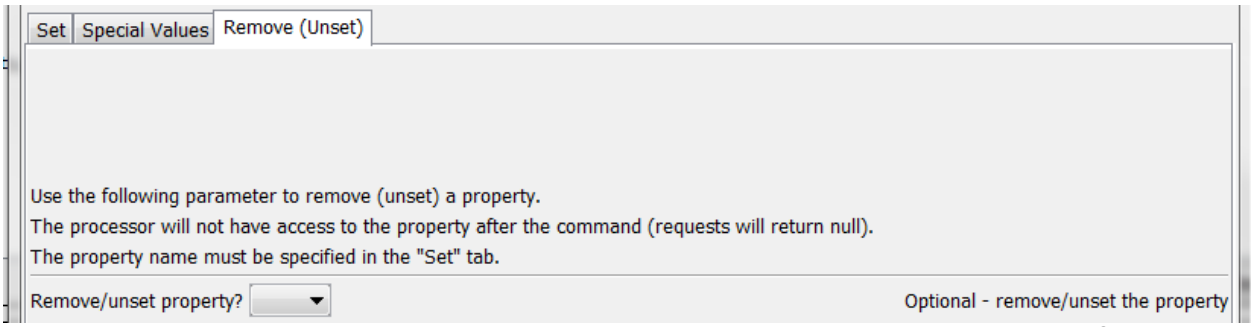
SetProperty

SetProperty() Command Editor for General Set Parameters



SetProperty_Special

SetProperty() Command Editor for Special Value Parameters



SetProperty_Remove

SetProperty() Command Editor for Removing a Property

The command syntax is as follows:

```
SetProperty(Parameter=Value,…)
```

Command Parameters

Parameter	Description	Default
`PropertyName`	The property name.	None – must be specified.
`PropertyType`	The property type, used for validation, one of: • `Boolean` – a boolean • `DateTime` – a date/time • `Double` – a floating point number • `Integer` – an integer • `String` – a string DateTime objects can be specified with special syntax to use current time and modifiers on the DateTime. See the `SetInputPeriod()` command for more information.	None – must be specified as when setting a new property, although is not needed when setting to null or removing.
`PropertyValue`	The value of the property, adhering to property type constraints. Date/time properties should be specified using standard formats such as "YYYY-MM-DD hh:mm:ss", to an appropriate precision. Special date/time syntax is recognized, as shown in the above figure.	None – must be specified when setting a value. The parameter is not needed when setting special values or removing the property.

Parameter	Description	Default
	Global properties can be used with the `${Property}` syntax.	
`SetEmpty`	If specified as `True`, the String property will be set to an empty string.	The `PropertyValue` parameter will be used.
`SetNaN`	If specified as `True`, the Double property will be set to the special "not a number" (NaN) value.	The `PropertyValue` parameter will be used.
`SetNull`	If specified as `True`, the property will be set to null (not specified).	The `PropertyValue` parameter will be used.
`RemoveProperty`	If specified as `True`, the property will be removed and will be unavailable to the processor. Only user-defined properties can be removed (not important internal properties).	The `PropertyValue` parameter will be used.

A sample commands file is as follows:

```
SetProperty(PropertyName="Scenario",PropertyType=String,PropertyValue="Likely")
```

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