

SimuCoTiCtrl Tango Python Class

Contents :

- [Description](#)
- [Properties](#)
- [Commands](#)
 - [State](#)
 - [Status](#)
 - [Start](#)
 - [Stop](#)
 - [Clear](#)
 - [GetCounterValue](#)
 - [SetCounterValue](#)
 - [GetCounterState](#)
- [Attributes](#)
 - [Value](#)
- [States](#)

SimuCoTiCtrl Class Identification :

Contact : at null - null
Class Family :
Platform :
Bus :
Manufacturer :
Manufacturer ref. :

SimuCoTiCtrl Class Inheritance :

- [Tango::DeviceImpl](#)
 - SimuCoTiCtrl

SimuCoTiCtrl Class Description :

A Counter Timer controller simulator. This class uses several instances of the SimuCounter class

SimuCoTiCtrl Properties :

There is no class properties

There is no device properties

SimuCoTiCtrl Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its <i>device_state</i> data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its <i>device_status</i> data member) and returns it to the caller.
Start	DEV_LONG	DEV_VOID	OPERATOR	None.
Stop	DEV_LONG	DEV_VOID	OPERATOR	None.
Clear	DEV_LONG	DEV_VOID	OPERATOR	None.
GetCounterValue	DEV_LONG	DEV_LONG	OPERATOR	None.
SetCounterValue	DEVVAR_LONGSTRINGARRAY	DEV_VOID	OPERATOR	None.
GetCounterState	DEV_LONG	DEV_LONG	OPERATOR	None.

Command State :

This command gets the device state (stored in its *device_state* data member) and returns it to the

caller.

State Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::DEV_STATE	State Code
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Status :

This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

Status Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::CONST_DEV_STRING	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Start :

Start Definition		
Input Argument	Tango::DEV_LONG	Counter number
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Stop :

Stop Definition		
Input Argument	Tango::DEV_LONG	The counter number
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Clear :

Clear Definition		
Input Argument	Tango::DEV_LONG	The counter number
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..

Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command GetCounterValue :

GetCounterValue Definition		
Input Argument	Tango::DEV_LONG	The counter number
Output Argument	Tango::DEV_LONG	The counter value
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command SetCounterValue :

SetCounterValue Definition		
Input Argument	Tango::DEVVAR_LONGSTRINGARRAY	The counter number (as strings) and the counter values (as long)
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..

Command allowed for	All states	..

Command GetCounterState :

GetCounterState Definition		
Input Argument	Tango::DEV_LONG	The counter number
Output Argument	Tango::DEV_LONG	The counter state as a long
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

SimuCoTiCtrl Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
Value	false	false	Spectrum	READ	Tango::DEV_LONG	OPERATOR	

There is no dynamic attribute defined.

Attribute Value :

Attribute Definition	
Attribute Type	Spectrum (16)
R/W Type	READ
Data Type	Tango::DEV_LONG
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

SimuCoTiCtrl Class States	
Name	Description
ON	The simulator is ON