

SimuMotorCtrl Tango Python Class

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SimuMotorCtrl Class Identification :

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

SimuMotorCtrl Class Inheritance :

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

SimuMotorCtrl Class Description :

SimuMotorCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
MaxError	Maximum error position	double	0.0

SimuMotorCtrl 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.
GetAxeAcceleration	DEV_LONG	DEV_DOUBLE	OPERATOR	None.
GetAxeBase_rate	DEV_LONG	DEV_DOUBLE	OPERATOR	None.
GetAxeDeceleration	DEV_LONG	DEV_DOUBLE	OPERATOR	None.
GetAxePosition	DEV_LONG	DEV_DOUBLE	OPERATOR	None.
GetAxeStatus	DEV_LONG	DEVVAR_LONGARRAY	OPERATOR	None.
GetAxeVelocity	DEV_LONG	DEV_DOUBLE	OPERATOR	None.

LoadAxePosition	DEVVAR_DOUBLESTRINGARRAY	DEV_VOID	OPERATOR	None.
SetAxeAcceleration	DEVVAR_DOUBLESTRINGARRAY	DEV_VOID	OPERATOR	None.
SetAxeBase_rate	DEVVAR_DOUBLESTRINGARRAY	DEV_VOID	OPERATOR	None.
SetAxeDeceleration	DEVVAR_DOUBLESTRINGARRAY	DEV_VOID	OPERATOR	None.
SetAxePosition	DEVVAR_DOUBLESTRINGARRAY	DEV_VOID	OPERATOR	None.
SetAxeVelocity	DEVVAR_DOUBLESTRINGARRAY	DEV_VOID	OPERATOR	None.
Abort	DEV_LONG	DEV_VOID	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 GetAxeAcceleration :

GetAxeAcceleration Definition		
Input Argument	Tango::DEV_LONG	Axe number
Output Argument	Tango::DEV_DOUBLE	Axe acceleration
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command GetAxeBase_rate :

GetAxeBase_rate Definition		
Input Argument	Tango::DEV_LONG	Axe number
Output Argument	Tango::DEV_DOUBLE	Axe base_rate
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command GetAxeDeceleration :

GetAxeDeceleration Definition		
Input Argument	Tango::DEV_LONG	Axe number
Output Argument	Tango::DEV_DOUBLE	Axe deceleration
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command GetAxePosition :

GetAxePosition Definition		
Input Argument	Tango::DEV_LONG	Axe number
Output Argument	Tango::DEV_DOUBLE	Axe position
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command GetAxeStatus :

GetAxeStatus Definition		
Input Argument	Tango::DEV_LONG	Axe number
Output Argument	Tango::DEVVAR_LONGARRAY	Axe status: I[0] = state, I[1] = switch
DisplayLevel	OPERATOR	..

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

Command GetAxeVelocity :

GetAxeVelocity Definition		
Input Argument	Tango::DEV_LONG	Axe number
Output Argument	Tango::DEV_DOUBLE	Axe velocity
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command LoadAxePosition :

LoadAxePosition Definition		
Input Argument	Tango::DEVVAR_DOUBLESTRINGARRAY	String[0] = Axe number Double[0] = Axe position
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command SetAxeAcceleration :

SetAxeAcceleration Definition		
Input Argument	Tango::DEVVAR_DOUBLESTRINGARRAY	String[0] = Axe number Double[0] = Axe acceleration
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command SetAxeBase_rate :

SetAxeBase_rate Definition		
Input Argument	Tango::DEVVAR_DOUBLESTRINGARRAY	String[0] = Axe number Double[0] = Axe base_rate
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command SetAxeDeceleration :

SetAxeDeceleration Definition		
Input Argument	Tango::DEVVAR_DOUBLESTRINGARRAY	String[0] = Axe number Double[0] = Axe deceleration
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command SetAxePosition :

SetAxePosition Definition		
Input Argument	Tango::DEVVAR_DOUBLESTRINGARRAY	String[0] = Axe number Double[0] = Axe position
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command SetAxeVelocity :

SetAxeVelocity Definition		
Input Argument	Tango::DEVVAR_DOUBLESTRINGARRAY	String[0] = Axe number Double[0] =

		Axe velocity
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Abort :

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

SimuMotorCtrl Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
Acceleration	false	false	Spectrum	READ	Tango::DEV_DOUBLE	OPERATOR	
Position	false	false	Spectrum	READ	Tango::DEV_DOUBLE	OPERATOR	
Velocity	false	false	Spectrum	READ	Tango::DEV_DOUBLE	OPERATOR	
Deceleration	false	false	Spectrum	READ	Tango::DEV_DOUBLE	OPERATOR	
Base_rate	false	false	Spectrum	READ	Tango::DEV_DOUBLE	OPERATOR	
Motor_nb	false	false	Scalar	READ	Tango::DEV_LONG	OPERATOR	

There is no dynamic attribute defined.

Attribute Acceleration :

Attribute Definition	
Attribute Type	Spectrum (8)
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
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

Attribute Position :

Attribute Definition	
Attribute Type	Spectrum (8)
R/W Type	READ

Attribute Properties	
label	
unit	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set

Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

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

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

Attribute Velocity :

Attribute Definition	
Attribute Type	Spectrum (8)
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
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
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Attribute Deceleration :

Attribute Definition	
Attribute Type	Spectrum (8)
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
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

Attribute Base_rate :

Attribute Definition	

Attribute Properties	

Attribute Event Criteria	
	Not

Attribute Type	Spectrum (8)
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

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

Periodic	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

Attribute Motor_nb :

Attribute Definition	
Attribute Type	Scalar
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

SimuMotorCtrl Class States	
Name	Description
ON	Controller ON
ALARM	