

MaiaCtrl Tango Cpp Class

Contents :

- [Description](#)
- [Properties](#)
- [Commands](#)
 - [State](#)
 - [Status](#)
 - [WriteSocket](#)
 - [WriteReadSocket](#)
- [Attributes](#)
- [States](#)

MaiaCtrl Class Identification :

Contact : at mail.desy.de - tnunez
Class Family : Acquisition
Platform : Unix Like
Bus : Data Socket
: Brookhaven National Laboratory &
Manufacturer Commonwealth Scientific and Industrial
Research Organisation
Manufacturer : Maia Detector System
ref.

MaiaCtrl Class Inheritance :

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

MaiaCtrl Class Description :

Class for connecting via socket to the Maia Detector system.

MaiaCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
IpAddr	Ip Address for socket connection. Not needed if HostName is set.	String	none
PortNb	Port number for socket connection	int	none
SimulationMode	1 if server in simulation mode	int	0
HostName	Host name of the maia system. If it is not set, IpAddr will be used.	String	none

MaiaCtrl Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its device_state data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its device_status data member) and returns it to the caller.
WriteSocket	DEV_STRING	DEV_VOID	OPERATOR	Write to the socket
				Write to the socket

[WriteReadSocket](#) | DEV_STRING | DEV_STRING | OPERATOR | and read an answer.

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	Device state
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	Device status
DisplayLevel	OPERATOR	..
Inherited	true	..

Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command WriteSocket :

Write to the socket

WriteSocket Definition		
Input Argument	Tango::DEV_STRING	String to send
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command WriteReadSocket :

Write to the socket and read an answer.

WriteReadSocket Definition		
Input Argument	Tango::DEV_STRING	Command to send
Output Argument	Tango::DEV_STRING	Returned answer
DisplayLevel	OPERATOR	..

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

There is no attribute defined.

There is no dynamic attribute defined.

MaiaCtrl Class States	
Name	Description
ON	
FAULT	