



TANGO
Device
Server

SY900S_generic User's Guide

SY900S_generic Class

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Implemented in C++ - CVS repository: tango-ds

Introduction:

this device manages a generic process like: error, communication and string formatting process.

Class Inheritance:

- Tango::Device_4Impl
 - SY900S_generic

Properties:

Device Properties		
Property name	Property type	Description
SocketProxyName	Tango::DEV_STRING	

Device Properties Default Values:

Property Name	Default Values
SocketProxyName	No default value

There is no Class properties.

States:

States	
Names	Descriptions
ON	
FAULT	

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	Argument In	Argument Out
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING
WriteRead	DEV_STRING	DEV_STRING

1 - Init

- **Description:** This commands re-initialise a device keeping the same network connection.
After an Init command executed on a device, it is not necessary for client to re-connect to the device.
This command first calls the device *delete_device()* method and then execute its *init_device()* method.
For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
The language device desctructor automatically calls the *delete_device()* method.
- **Argin:**
DEV_VOID : none.
- **Argout:**
DEV_VOID : none.
- **Command allowed for:**
 - Tango::ON
 - Tango::FAULT

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.
- **Argin:**
DEV_VOID : none.
- **Argout:**
DEV_STATE : State Code
- **Command allowed for:**
 - Tango::ON
 - Tango::FAULT

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.
- **Argin:**
DEV_VOID : none.
- **Argout:**
CONST_DEV_STRING : Status description
- **Command allowed for:**
 - Tango::ON

- Tango::FAULT

4 - WriteRead

- **Description:** This command calls the socket communication function which comes from the socket device. Errors are also managed.
- **Argin:**
DEV_STRING : command
- **Argout:**
DEV_STRING : response to the command
- **Command allowed for:**
 - Tango::ON
 - Tango::FAULT

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