



TANGO
Device
Server

Tango-ds User's Guide

PyAttributeProcessor Class

Revision: - Author: cpascual
Implemented in Python

Introduction:

Class Inheritance:

- PyTango.Device_4Impl
 - PyAttributeProcessor

Properties:

Device Properties		
Property name	Property type	Description
DynamicAttributes	Tango::DEVVAR_STRINGARRAY	Attributes and formulas to create for this device. > This Tango Attributes will be generated dynamically using this syntax: > T3=int(SomeCommand(7007)/10.) > See the class description to know how to make any method available in attributes declaration.
DynamicStates	Tango::DEVVAR_STRINGARRAY	This property will allow to declare new States dinamically based on > dynamic attributes changes. The function Attr will allow to use the > value of attributes in formulas. > > ALARM=Attr(T1)>70 > OK=1

Device Properties Default Values:

Property Name	Default Values
DynamicAttributes	No default value
DynamicStates	No default value

There is no Class properties.

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

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:**

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:**

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:**

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