



TANGO
Device
Server

Tango Device Server User's Guide

EnumeratedProperty Class

Revision: release_0_0_3 - Author: abeilleg
Implemented in Java

Introduction:

This device predefines an enumerated list of values for a simple scalar attribute. Its tango interface is dynamically created from the properties `attributeLabelList` and `attributeEnumeratedValues`. The dynamically created attributes are boolean. For example : `EnumeratedLabelList="isInserted", "isExtracted"` `EnumeratedValueList = "0","100"` Then 2 attributes are created : `isInserted` and `isExtracted`. When `isInserted` is set to true then the controlled attribute is set to 0 When `isExtracted` is set to true then the controlled attribute is set to 100

Class Inheritance:

- `fr.esrf.TangoDs.Device_2Impl`
 - `EnumeratedProperty`

Properties:

There is no Class properties.
There is no Device Properties.

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
version	DEV_STRING	READ	No
State	DEV_STRING	READ	No
executedCommand	DEV_STRING	READ	No
executedTimeStamp	DEV_STRING	READ	No

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:**

TANGO is an open source project hosted by : 	Core and Tools : CVS repository on tango-cs project Device Servers : CVS repository on tango-ds project
--	--