



TANGO
Device
Server

Tango Device Server User's Guide

Publisher Class

Revision: release_2_0_4 - Author: abeilleg
Implemented in Java

Introduction:

Publisher is simple device which allows to publish data on the Tango bus. "What you read is what you write"

Class Inheritance:

- fr.esrf.TangoDs.Device_2Impl
 - Publisher

Properties:

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

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
State	DEV_STRING	READ	No
version	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
WriteSpectrumAttribute	DEVVAR_STRINGARRAY	DEV_VOID
WriteSpectrumAttributeFromFile	DEVVAR_STRINGARRAY	DEV_VOID
WriteImageAttributeFromFile	DEVVAR_STRINGARRAY	DEV_VOID
WriteAttributeFromAttribute	DEVVAR_STRINGARRAY	DEV_VOID

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:**

4 - WriteSpectrumAttribute

- **Description:**
- **Argin:**
DEVVAR_STRINGARRAY : The array of values - argin[0] is the attribute name
- **Argout:**
DEV_VOID :
- **Command allowed for:**

5 - WriteSpectrumAttributeFromFile

- **Description:**
- **Argin:**
DEVVAR_STRINGARRAY : 1-AttributeName
2-FileName
- **Argout:**
DEV_VOID :
- **Command allowed for:**

6 - WriteImageAttributeFromFile

- **Description:**
- **Argin:**
DEVVAR_STRINGARRAY : 1-AttributeName
2-FileName
- **Argout:**
DEV_VOID :
- **Command allowed for:**

7 - WriteAttributeFromAttribute

- **Description:**
- **Argin:**
DEVVAR_STRINGARRAY : 1-Destination attribute name
2-Source attribute name
- **Argout:**
DEV_VOID :
- **Command allowed for:**

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