Bruker Wrapper single channel User's Guide

BrukerWrapper Class

Revision: BrukerWrapper-Release_1_1 - Author: bourtemb
Implemented in C++ - CVS repository: ESRF

Introduction:

This device server is a wrapper Tango to control the Bruker power supplies of TL2. It will send commands to the taco devices.

Class Inheritance:

- Tango::Device_4Impl
    - BrukerWrapper

Properties:

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

States:

States	
Names	**Descriptions**
ON	The channel is ON
OFF	The channel is OFF
ALARM	The channel is in alarm
FAULT	The channel is in Fault

Attributes:

Scalar Attributes			
Attribute name	**Data Type**	**R/W Type**	**Expert**
Current	DEV_DOUBLE	READ_WRITE	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
On	DEV_VOID	DEV_VOID
Off	DEV_VOID	DEV_VOID
Reset	DEV_VOID	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:**
- Tango::ON
- Tango::OFF
- Tango::ALARM
- 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::OFF
- Tango::ALARM
- 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::OFF
- Tango::ALARM
- Tango::FAULT

4 - On

- **Description:** Switch the channel ON.

- **Argin:**
  DEV_VOID :

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
- Tango::ON
- Tango::OFF
- Tango::ALARM
- Tango::FAULT

5 - Off

- **Description:** Switch the channel OFF. If the channel is already OFF, do nothing, otherwise, set the current to 0 and switch off the channel.

- **Argin:**
  DEV_VOID :

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
- Tango::ON
- Tango::OFF
- Tango::ALARM
- Tango::FAULT

6 - Reset

- **Description:** Reset the channel

- **Argin:**
  DEV_VOID :

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
- Tango::ON
- Tango::OFF
- Tango::ALARM
- Tango::FAULT