HLS concentrator device server. User's Guide

HlsConcentrator Class

Revision: - Author: peru
Implemented in C++ - CVS repository: ESRF

Introduction:

This device is intended to collect and format the individual HLS captor values.

Class Inheritance:

- Tango::Device_4Impl
  - HlsConcentrator

Class Description:

This device is intended to collect and format the individual HLS captor values.

Properties:

Device Properties		
Property name	**Property type**	**Description**
CaptorDevNameList	Array of string	An array of strings containing the device names for all of the captor to be collected.

Device Properties Default Values:

Property Name	Default Values
CaptorDevNameList	No default value

There is no Class properties.

States:

States	
Names	**Descriptions**
ON	State reached when all of the captor devices have been imported.
ALARM	State reached when not all of the captor devices have been imported.

Attributes:

Spectrum Attributes			
Attribute name	**Data Type**	**X Data Length**	**Expert**
Levels	DEV_DOUBLE	400	No
Temperatures	DEV_DOUBLE	400	No
CaptorDevNames	DEV_STRING	400	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:**
- ○ Tango::ON
- ○ Tango::ALARM

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::ALARM

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::ALARM

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