



TANGO
Device
Server

Video Synopsis Device Server User's Guide

VideoSynopsisDs Class

Revision: keyword substitution - Author: pons
Implemented in C++ - CVS repository: ESRF

Introduction:

A class to manage images interleaved with the video synopsis.

Class Inheritance:

- Tango::Device_4Impl
 - VideoSynopsisDs

Properties:

Device Properties		
Property name	Property type	Description
ImagePath	Tango::DEV_STRING	Directory where are stored images.

Device Properties Default Values:

Property Name	Default Values
ImagePath	C:\Images

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
AddEntry	DEVVAR_STRINGARRAY	DEV_VOID
RemoveEntry	DEV_STRING	DEV_VOID
GetEntry	DEV_STRING	DEVVAR_STRINGARRAY
GetNames	DEV_VOID	DEVVAR_STRINGARRAY
GetByDate	DEV_LONG	DEVVAR_STRINGARRAY
GetHistory	DEV_VOID	DEVVAR_STRINGARRAY

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 - AddEntry

- **Description:** Registers an image : argin[0] = Image name (must be unique) argin[1] = Start date (second since epoch) argin[2] = End Date (second since epoch) argin[3] = Display time (second) argin[4] = Data (base 64) argin[5] = user name argin[6] = IP address
- **Argin:**
DEVVAR_STRINGARRAY : Image entry (name,start date,end date,display time,data,user,ip)
- **Argout:**
DEV_VOID :

- **Command allowed for:**

5 - RemoveEntry

- **Description:** Remove an image entry
- **Argin:**
DEV_STRING : Image name
- **Argout:**
DEV_VOID :
- **Command allowed for:**

6 - GetEntry

- **Description:** Return an image: argout[0] = Start Date (second since epoch) argout[1] = End Date (second since epoch) argout[2] = Display time (second) argout[3] = Data (base64)
- **Argin:**
DEV_STRING : Image name
- **Argout:**
DEVVAR_STRINGARRAY : Image data
- **Command allowed for:**

7 - GetNames

- **Description:** Returns the list of all registered image.
- **Argin:**
DEV_VOID :
- **Argout:**
DEVVAR_STRINGARRAY : List of image
- **Command allowed for:**

8 - GetByDate

- **Description:** Returns all images to be displayed at the given date (in base64 format)
- **Argin:**
DEV_LONG : Date

- **Argout:**
`DEVVAR_STRINGARRAY` : Image data
- **Command allowed for:**

9 - GetHistory

- **Description:** Return the history of image entries.
- **Argin:**
`DEV_VOID` :
- **Argout:**
`DEVVAR_STRINGARRAY` :
- **Command allowed for:**

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