TIFFWriter Tango Python Class

Contents :

- Description
- Properties
- Commands
  - State
  - Status
  - Save
- Attributes
  - Filename
  - PixelSize
  - XSize
  - YSize
- States

TIFFWriter Class Identification :

Contact	: at cea.fr - olivier.tache
Class Family	: Calculation
Platform	: All Platforms
Bus	: Not Applicable
Manufacturer	: none
Manufacturer ref.	:

TIFFWriter Class Inheritance :

- Tango::DeviceImpl
  - TIFFWriter

TIFFWriter Class Description :

A device server which can access to an image from another device and save in a tiff file

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TIFFWriter Properties :

There is no class properties

Device Properties			
Name	**Description**	**Type**	**Default Value**
RemoteDevice	the remote device server	String	test/test/tangotest
RemoteImageAttribute	the remote image attribute name	String	image
RemotePixelSize	Eventually a remote attribute for pixel size	String	PixelSize
ImageDir	Directory where image will be saved	String	c:\data
OutputDataFormat	float, int,uint	String	int

TIFFWriter Class Commands				
Name	**Input type**	**Output type**	**Level**	**Description**
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its *device_state* data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its *device_status* data member) and returns it to the caller.
Save	DEV_VOID	DEV_VOID	OPERATOR	None.

Command State :

This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

State Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::DEV_STATE	State Code
DisplayLevel	OPERATOR	..
Inherited	true	..

Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Status :

This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

Status Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::CONST_DEV_STRING	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Save :

Save Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

TIFFWriter Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
Filename	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	
PixelSize	false	false	Scalar	READ	Tango::DEV_FLOAT	OPERATOR	
XSize	false	false	Scalar	READ	Tango::DEV_USHORT	OPERATOR	
YSize	false	false	Scalar	READ	Tango::DEV_USHORT	OPERATOR	

There is no dynamic attribute defined.

Attribute Filename :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true

Attribute Properties
label
unit
standard unit
display unit
format
max_value
min_value
max_alarm
min_alarm
max_warning
min_warning
delta_time

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user	false

Read allowed for	All states
Write allowed for	All states

delta_val

code	
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute PixelSize :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_FLOAT
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties
label
unit
standard unit
display unit
format
max_value
min_value
max_alarm
min_alarm
max_warning
min_warning
delta_time
delta_val

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute XSize :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_USHORT
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties
label
unit
standard unit
display unit
format
max_value
min_value
max_alarm
min_alarm
max_warning
min_warning
delta_time
delta_val

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute YSize :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_USHORT
Display Level	OPERATOR

Attribute Properties
label
unit
standard unit
display unit
format

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set

Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

max_value
min_value
max_alarm
min_alarm
max_warning
min_warning
delta_time
delta_val

Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

TIFFWriter Class States	
Name	**Description**
ON	Device is ON, and remote device is ON
STANDBY	Device is ON, remote device is NOT ON
RUNNING	Device is accessing to remote device and saving data
FAULT	A problem occurs