



TANGO
Device
Server

User's Guide

SrID Class

Revision: releasetag - Author: verdier
Implemented in C++ - CVS repository: ESRF

Introduction:

This class is able to survey all storage ring ID's. It is mainly used to store attribute history for all ID gaps.

Class Inheritance:

- Tango::Device_4Impl
 - SrID

Properties:

Device Properties		
Property name	Property type	Description
UnavailableID	Array of short	Cell numbers where there is no ID.

Device Properties Default Values:

Property Name	Default Values
UnavailableID	No default value

There is no Class properties.

Attributes:

Spectrum Attributes			
Attribute name	Data Type	X Data Length	Expert
GapList: All SR gap names.	DEV_STRING	128	No
Gaps: All SR gap values.	DEV_DOUBLE	128	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:**

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:**

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