Neutron detector abstract class
User's Guide

NeutronDetector Class

Revision: keyword substitution - Author: andy_gotz
Implemented in C++ - CVS repository: tango-ds

Introduction:

This is the neutron detector abstract class for the salsa detector. In its initial version it will define only an attribute for the counts. Future versions will support more attributes and commands specific to neutron detectors.

Class Inheritance:

- Tango::Device_4Impl
  - NeutronDetector

Properties:

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

Attributes:

Image Attributes				
Attribute name	**Data Type**	**X Data Length**	**Y Data Length**	**Expert**
Counts: detector counts	DEV_BOOLEAN	1024	1024	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:**