Interlocks concentrator
User's Guide

MagVacItlkConcentrator Class

Introduction:

This device server is designed to be an interface between the new control of the machine interlocks (magnet + vacuum) and the existing applications.

Class Inheritance:

- Tango::Device_4Impl
  - MagVacItlkConcentrator

Class Description:

This device server is designed to be an interface between the new control of the machine interlocks (magnet + vacuum) and the existing applications.

Properties:

Device Properties		
Property name	**Property type**	**Description**
DeviceList	Array of string	This is the list of devices controlled by this device.
Type	Tango::DEV_STRING	This property (vacuum or magnet) defines which commands of the controlled devices will be executed.
ResetDevices	Array of string	The list of devices to which a reset should be applied.

Device Properties Default Values:

Property Name	Default Values
DeviceList	No default value
Type	No default value
ResetDevices	No default value

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
Reset	DEV_VOID	DEV_VOID
DevReadAll	DEV_VOID	DEVVAR_SHORTARRAY

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 - Reset

- **Description:** Reset all of the controlled devices.

- **Argin:**
  DEV_VOID :

- **Argout:**
  DEV_VOID :

- **Command allowed for:**

5 - DevReadAll

- **Description:** Returns an array containing the state (a TACO state!) of each controlled device.

- **Argin:**
  DEV_VOID :

- **Argout:**
  DEVVAR_SHORTARRAY :

- **Command allowed for:**