



TANGO
Device
Server

General class to control the alarm system User's Guide

MSTATUS_ADM Class

Revision: MSTATUS_ADM-Release_1_0 - Author: verdier
Implemented in C++ - CVS repository: ESRF

Introduction:

General class to control the alarm system.

Class Inheritance:

- Tango::Device_4Impl
 - MSTATUS_ADM

Properties:

| Device Properties | | |
|--------------------------|----------------------|---|
| Property name | Property type | Description |
| Devices | Array of string | List of MSTATUS devices |
| DcDeviceName | Tango::DEV_STRING | Device checking if DC process are running |
| DCmessage | Tango::DEV_STRING | Additional message for DC fault. |

Device Properties Default Values:

| Property Name | Default Values |
|----------------------|-----------------------|
| Devices | No default value |
| DcDeviceName | No default value |
| DCmessage | 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 |
| DevGetAllInhibited | DEV_VOID | DEV_STRING |
| DevGetFaultHistory | DEV_VOID | DEV_STRING |
| DevGetAlarmHistory | DEV_VOID | DEV_STRING |
| GetPanelConfig | DEV_VOID | DEVVAR_STRINGARRAY |
| GetLabel | DEV_VOID | 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:**

4 - DevGetAllInhibited

- **Description:** Return All inhibited devices.
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_STRING :
- **Command allowed for:**

5 - DevGetFaultHistory

- **Description:** Return Fault history.
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_STRING :
- **Command allowed for:**

6 - DevGetAlarmHistory

- **Description:**
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_STRING :
- **Command allowed for:**

7 - GetPanelConfig

- **Description:** Returns the alarm panel configuration.
- **Argin:**
DEV_VOID :
- **Argout:**
DEVVAR_STRINGARRAY : Mstatus panel configuration

- **Command allowed for:**

8 - GetLabel

- **Description:** Returns the device label
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_STRING : Device Label
- **Command allowed for:**

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