



TANGO
Device
Server

ADC abstract class User's Guide

ADC Class

**Revision: - Author: tere29
Implemented in C++**

Introduction:

Abstract class for ADC

Class Inheritance:

- Tango::Device_4Impl
 - ADC

Properties:

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

States:

States	
Names	Descriptions
ON	ADC is ready
FAULT	Problems in ADC

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
Value: ADC value	DEV_DOUBLE	READ	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:**
 - Tango::ON
 - Tango::FAULT

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:**
 - Tango::ON
 - Tango::FAULT

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:**
 - Tango::ON
 - Tango::FAULT

TANGO is an open source project hosted by :
SOURCEFORGE.NET®

Core and Tools : CVS repository on tango-cs project
Device Servers : CVS repository on tango-ds project