



**TANGO**  
Device  
Server

# setting file management User's Guide

## Settingserv Class

Revision: Settingserv-Release\_2\_0 - Author: meyer  
Implemented in C++ - CVS repository: ESRF

### Introduction:

manage a list of attribute setpoint in configuration files

### Class Inheritance:

- Tango::Device\_4Impl
  - Settingserv

### Properties:

<b>Device Properties</b>		
<b>Property name</b>	<b>Property type</b>	<b>Description</b>
<b>File_path</b>	Tango::DEV_STRING	absolute path to put the files
<b>Attribute_list</b>	Array of string	list of attributes to save/restore
<b>Default_name</b>	Tango::DEV_STRING	begining of the name of each device. This name will be added in front of each attribute

Device Properties Default Values:

<b>Property Name</b>	<b>Default Values</b>
File_path	No default value
Attribute_list	No default value
Default_name	No default value

**There is no Class properties.**

## Commands:

More Details on commands....

<b>Device Commands for Operator Level</b>		
<b>Command name</b>	<b>Argument In</b>	<b>Argument Out</b>
<b>Init</b>	DEV_VOID	DEV_VOID
<b>State</b>	DEV_VOID	DEV_STATE
<b>Status</b>	DEV_VOID	CONST_DEV_STRING
<b>SaveAs</b>	DEV_STRING	DEV_VOID
<b>LoadFile</b>	DEV_STRING	DEV_VOID
<b>DisplayFile</b>	DEV_STRING	DEVVAR_STRINGARRAY
<b>ReadRootPath</b>	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 - SaveAs

- **Description:** save the list of attribute in the considered file. the name of file is given relatively to the "file\_path" property
- **Argin:**  
**DEV\_STRING** : name of the file
- **Argout:**  
**DEV\_VOID** :
- **Command allowed for:**

## 5 - LoadFile

- **Description:** read the configuration file and assign the list of attribute with the value found in the file.
- **Argin:**  
**DEV\_STRING** : name of the setting file
- **Argout:**  
**DEV\_VOID** :
- **Command allowed for:**

## 6 - DisplayFile

- **Description:**
- **Argin:**  
**DEV\_STRING** : name of the file
- **Argout:**  
**DEVVAR\_STRINGARRAY** : list of setting
- **Command allowed for:**

## 7 - ReadRootPath

- **Description:** return the root path to store the setting files
- **Argin:**  
**DEV\_VOID** :
- **Argout:**  
**DEV\_STRING** : root path to store the setting files

- **Command allowed for:**

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