

## SaveLoadAttrs Tango Python Class

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### **SaveLoadAttrs Class Identification :**

Contact : at mail.desy.de - tnunez  
Class Family : SoftwareSystem  
Platform : Unix Like  
Bus : Not Applicable  
Manufacturer : none  
Manufacturer ref. :

### **SaveLoadAttrs Class Inheritance :**

- [Tango::DeviceImpl](#)
  - SaveLoadAttrs

### **SaveLoadAttrs Class Description :**

Class for saving attribute values to a file or load the values.

### **SaveLoadAttrs Properties :**

There is no class properties

There is no device properties

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SaveLoadAttrs Class Commands				
Name	Input type	Output type	Level	Description
<a href="#">State</a>	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its device_state data member) and returns it to the caller.
<a href="#">Status</a>	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its device_status data member) and returns it to the caller.
<a href="#">SaveAttrsToFile</a>	DEV_VOID	DEV_VOID	OPERATOR	Write the attributes of the DeviceName device in the FileDir/FileName file. Name : value : format : writable
<a href="#">LoadAttrsFromFile</a>	DEV_VOID	DEV_VOID	OPERATOR	Write to the attributes in the DeviceName device the corresponding values stored in the FilePath/FileName file, in case the attribute is writable.

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**Command State :**

This command gets the device state (stored in its device\_state data member) and returns it to the caller.

State Definition		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::DEV_STATE	Device state
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command Status :**

This command gets the device status (stored in its device\_status data member) and returns it to the caller.

<b>Status Definition</b>		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::CONST_DEV_STRING	Device status
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command SaveAttrsToFile :**

Write the attributes of the DeviceName device in the FileDir/FileName file.

Name : value : format : writable

<b>SaveAttrsToFile Definition</b>		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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## **Command LoadAttrsFromFile :**

Write to the attributes in the DeviceName device the corresponding values stored in the FilePath/FileName file, in case the attribute is writable.

<b>LoadAttrsFromFile Definition</b>		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
		..
Command allowed for	All states	..

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<b>SaveLoadAttrs Class Attributes</b>							
<b>Name</b>	<b>Inherited</b>	<b>Abstract</b>	<b>Attr. type</b>	<b>R/W type</b>	<b>Data type</b>	<b>Level</b>	<b>Description</b>
<a href="#">FilePath</a>	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	Path to the file to be saved/loaded
<a href="#">FileName</a>	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	Name of the file to be saved/loaded
<a href="#">DeviceName</a>	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	Name of the tango device to read/write from/to.

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**There is no dynamic attribute defined.**

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### **Attribute FilePath :**

Path to the file to be saved/loaded

<b>Attribute Definition</b>	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read allowed for	All states
Write allowed for	All states

<b>Attribute Properties</b>	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

<b>Attribute Event Criteria</b>	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

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### **Attribute FileName :**

Name of the file to be saved/loaded

<b>Attribute Definition</b>	
Attribute Type	Scalar
R/W Type	READ_WRITE

<b>Attribute Properties</b>	
label	
unit	

<b>Attribute Event Criteria</b>	
Periodic	Not set
Relative Change	Not set

Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read allowed for	All states
Write allowed for	All states

standard unit
display unit
format
max_value
min_value
max_alarm
min_alarm
max_warning
min_warning
delta_time
delta_val

Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

**Attribute DeviceName :**

Name of the tango device to read/write from/to.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false

Read allowed for	All states
Write allowed for	All states

delta\_val

code	
Push Archive event by user code	false
Push DataReady event by user code	false

SaveLoadAttrs Class States	
Name	Description
ON	
FAULT	