

## DataSocketViewer Tango Cpp Class

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### DataSocketViewer Class

#### Identification :

Contact : at null - null  
Class Family :  
Platform :  
Bus :  
Manufacturer :  
Manufacturer ref. :

### DataSocketViewer Class Inheritance

:

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

### DataSocketViewer Class Description :

This device allows the monitoring of an application which communicates with a socket. it exchanges data with the datasocket proxy device.

## DataSocketViewer Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
DataSocketProxy	name of the DataSocket device proxy	String	none
AttributesToCreate	<p>List of string, each element contains information about the attributes to create:</p> <p>one string is composed by 6 fields separated by a comma as: Field_1, Field_2, Field_3, Field_4, Field_5[, Field_6]</p> <p>with:</p> <p>Field_1: Name of the attribute to create</p> <p>Field_2: URL adress to read by the socket</p> <p>Field_3: data type (long, double, bool, string, long_rw ,double_rw ,bool_rw ,longarray, doublearray, stringarray)</p> <p>Field_4: attribute (scalar, spectrum)</p> <p>Field_5: either : - index of a returned array if the attribute is scalar. else NAN</p> <p>Field_6: [optionnal] reverse bool data type value : `true` to read complement or `false` to read native value (default if omitted)</p> <p>Limitations : Attributes READ_WRITE are available only for bool, long and double types, and CANNOT be extracted from an array</p>	String[]	none

(i.e if index != NAN, then bool_rw, long_rw and double_rw types are not available)		
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DataSocketViewer 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 <i>device_state</i> 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 <i>device_status</i> data member) and returns it to the caller.

### 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	State Code
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	false	..
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	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

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**There is no attribute defined.**

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**There is no dynamic attribute defined.**

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**DataSocketViewer Class States**

Name	Description
ON	no failure detected
FAULT	socket communication failed
ALARM	