

ModbusDataViewer Tango Cpp Class

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ModbusDataViewer Class Identification :

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

ModbusDataViewer Class Inheritance :

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

ModbusDataViewer Class Description :

generic device to get/set single coils and registers in a modbus device
 uses dynamic attributes

ModbusDataViewer Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
Data	list of the data to be displayed 1 line by data for each line the device will create 1 dynamic attribute Format : AttributeName;DataType;Data Access;Modbus Address;Ratio;Read Register Type Example : Temperature;DEV_DOUBLE;READ_WRITE;5;0.1 Prop;DEV_DOUBLE;READ_WRITE;35;1.0 Attribute Name = the name of the Attribute Data Type = type of the Attribute [DEV_BOOLEAN DEV_SHORT DEV_USHORT DEV_LONG DEV_ULONG DEV_FLOAT DEV_DOUBLE] Data Access = [READ WRITE READ_WRITE] Modbus Address = modbus Address see Modbus reference [0...10000] Ratio = floating point, if omitted defaults to 1.0	String[]	must be defined

Url	Read Register Type = [HOLDING INPUT] if omitted or error defaults to HOLDING Modbus Device name	String	must be defined
HardwarePollingTime	reading period for the thread	int	500

ModbusDataViewer Class Commands				
Name	Input type	Output type	Level	Description
State	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.
Status	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	..

Command Status :

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

Status Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::CONST_DEV_STRING	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

There is no attribute defined.

There is no dynamic attribute defined.

There is no state defined