

ModbusComposer Tango Cpp Class

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ModbusComposer Class

Identification :

Contact : at esrf.fr - pons
Class Family : Calculation
Platform : All Platforms
Bus : Modbus
Manufacturer : none
Manufacturer ref. :

ModbusComposer Class

Inheritance :

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

ModbusComposer Class Description :

A class to create dynamic attributes above a Modbus interface

ModbusComposer Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
Modbus_name	Name of the Modbus device	String	none
DynamicAttributes	List of dynamic attributes See grammar.html	String[]	none
DynamicCommands	List of dynamic attributes See grammar.html	String[]	none
DynamicStates	State definitions (Default state is ON) See grammar.html	String[]	none
AddressOffset	Integer offset added to Addresses in every Modbus command call	int	none
DefaultReadCommand	Command use to read Modbus registers (eg. ReadHoldingRegisters)	String	none
CacheConfig	Cache configuration, the read command is the DefaultReadCommand (if any) [0] = Start address [1] = Number of register [2] = Refresh period (ms)	int[]	none
CoilCacheConfig	Coil Cache configuration, the read can be only ReadMultipleCoilStatus [0] = Start address [1] = Number of coil [2] = Refresh period (ms)	int[]	none

ModbusComposer Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its device_state data member) and returns it to the caller.
Status	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.

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	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	Device status
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
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