

## Restarter Tango Cpp Class

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### **Restarter Class Identification :**

Contact : at desy.de - johannes.blume  
Class Family : Miscellaneous  
Platform : Unix Like  
Bus : Not Applicable  
Manufacturer : none  
Manufacturer ref. :

### **Restarter Class Inheritance :**

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

### **Restarter Class Description :**

Server to watch other Server and to restart them automatically if they terminate.

### **Restarter Properties :**

## There is no class properties

Device Properties			
Name	Description	Type	Default Value
MaxWatchedServers	Maximum number of servers that can be watched	short	128
PollingPeriod	Polling period in sec	short	5

Restarter 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="#">ExcludeServer</a>	DEVVAR_STRINGARRAY	DEV_VOID	OPERATOR	Exclude Server from watch list
<a href="#">AddServer</a>	DEVVAR_STRINGARRAY	DEV_VOID	OPERATOR	Add previously excluded Servers to watch list again
<a href="#">RestartCrashed</a>	DEV_VOID	DEV_VOID	OPERATOR	None.

## Command State :

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



<b>State Definition</b>		
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	..

### **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	..

### **Command ExcludeServer :**

Exclude Server from watch list

<b>ExcludeServer Definition</b>

Input Argument	Tango::DEVVAR_STRINGARRAY	List of servers to exclude from watch list
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

**Command AddServer :**

Add previously excluded Servers to watch list again

<b>AddServer Definition</b>		
Input Argument	Tango::DEVVAR_STRINGARRAY	List of servers previously excluded from watch list
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

**Command RestartCrashed :**

<b>RestartCrashed 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	..

Restarter Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
<a href="#">WatchedServers</a>	false	false	Spectrum	READ	Tango::DEV_STRING	OPERATOR	
<a href="#">ExcludedServers</a>	false	false	Spectrum	READ	Tango::DEV_STRING	OPERATOR	

**There is no dynamic attribute defined.**

**Attribute WatchedServers :**

Attribute Definition	
Attribute Type	Spectrum ( 1024 )
R/W Type	READ
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set

Memorized	Not set
Read NOT allowed for	<ul style="list-style-type: none"> <li>• FAULT</li> </ul>

max_warning	
min_warning	
delta_time	
delta_val	

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 ExcludedServers :**

Attribute Definition	
Attribute Type	Spectrum ( 1024 )
R/W Type	READ
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read 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	
delta_val	

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

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<b>Restarter Class States</b>	
<b>Name</b>	<b>Description</b>
ON	
FAULT	

<b>Name</b>	<b>Description</b>
ON	
FAULT	