TangoToTine Tango Cpp Class

Contents :

TangoToTine Class Identification :

Contact   : at esrf.fr - meyer

Class Family   : Communication

Platform   : Unix Like

Bus   : Not Applicable

Manufacturer   : none

Manufacturer ref. :

TangoToTine Class Inheritance :

- Tango::DeviceImpl
    - TangoToTine

TangoToTine Class Description :

The Tango to Tine gateway is implemented as a Tine server which maps Tango devices to Tine devices. To configure and to administer this Tine server in a Tango system, the Tango to Tine gateway wrapper can be used.

The Tine server will run as a thread of the Tango gateway wrapper server. Configuring the Tine server is possible by a set of Tango properties.
This way the Tango to Tine gateway can be started and stopped via Astor and can be reconfigured with the init command.
Only the two attributes state and status are available for the Tango to Tine gateway

wrapper. The state is ON when the Tine server is still answering on the network.
In case of a hang-up, the state will be UNKNOWN.

The property DeviceList is used to configure the list of devices which should be mapped
from Tango to Tine. Device names can contain the wilcard character *. The device names
will be expanded during the initialization.

More details on the Tango to Tine gateway (as Tine server) can be found in the documentation
of the Tine module. More information on meaning of the configuration properties is available
in the
Tine documentation.

TangoToTine Properties :

There is no class properties

Device Properties			
Name	**Description**	**Type**	**Default Value**
DeviceList	List of Tango devices to be mapped as Tine devices. The character * can be used as wildcard for specifying device names.	String[]	none
TineContext	The Tine context to be used to register the Tine server.	String	DEFAULT
TinePortOffset	The port offset for the Tine server.	int	1
TineSubSystem	The Tine sub system to be used for the Tine server.	String	Services
TineLogPath	The path where the Tine log file will be written.	String	/tmp
TineEqmName	The name to be used to register the Tine equpment module. This name will be shown in Tine as the name of the Tine server.	String	TangoTineGateway

TangoToTine 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	State Code
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.

Status Definition		
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	..

There is no attribute defined.

There is no dynamic attribute defined.

TangoToTine Class States	
Name	Description
ON	The Tine server is answering to the network
UNKNOWN	The Tine server is NOT answering on the network any more.