

smacc::ISmaccStateMachine

nh_
private_nh_
timer
stateMachinePub_
stateMachineStatusPub_
transitionLogPub_
transitionHistoryService_
currentState_
currentStateInfo_
status_msg_
orthogonals_
- m_mutex_
- eventQueueMutex_
- stateMachineCurrentAction
- stateCallbackConnections
- globalData_
- transitionLogHistory_
- runMode_
- signalDetector_
- stateSeqCounter_
- stateMachineInfo_

+ ISmaccStateMachine()
+ ~ISmaccStateMachine()
+ reset()
+ stop()
+ eStop()
+ getOrthogonal()
+ getOrthogonals()
+ requiresComponent()
+ postEvent()
+ postEvent()
+ getTransitionLogHistory()
+ getGlobalSMDData()
+ setGlobalSMDData()
+ mapBehavior()
+ getStateMachineName()
+ state_machine_visualization()
+ getCurrentStateInfo()
+ publishTransition()
+ onInitialize()
+ getTransitionLogHistory()
+ createSignalConnection()
+ notifyOnStateEntryStart()
+ notifyOnStateEntryEnd()
+ notifyOnRuntimeConfigured()
+ notifyOnStateExiting()
+ notifyOnStateExited()
+ notifyOnRuntimeConfigurationFinished()
+ getCurrentStateCounter()
+ getCurrentState()
+ getStateMachineInfo()
+ buildStateMachineInfo()
checkStateMachineConsistence()
initializeROS()
onInitialized()
createOrthogonal()
getParam()
setParam()
param()
- lockStateMachine()
- unlockStateMachine()
- propagateEventToStateReactors()
- updateStatusMessage()

boost::statechart::
asynchronous_state_machine
< DerivedStateMachine, InitialState
Type, SmaccFifoScheduler, SmaccAllocator >

smacc::SmaccStateMachine
Base< DerivedStateMachine,
InitialStateType >

+ SmaccStateMachineBase()
+ ~SmaccStateMachineBase()
+ reset()
+ stop()
+ eStop()
+ initiate_impl()

boost::statechart::
asynchronous_state_machine
< SmRidgebackFloorCoverageDynamic1,
MsDanceBotRunMode, SmaccFifoScheduler,
SmaccAllocator >

smacc::SmaccStateMachine
Base< SmRidgebackFloorCoverage
Dynamic1, MsDanceBotRunMode >

+ SmaccStateMachineBase()
+ ~SmaccStateMachineBase()
+ reset()
+ stop()
+ eStop()
+ initiate_impl()

sm_ridgeback_floor
_coverage_dynamic_1
::SmRidgebackFloorCoverageDynamic1

+ counter_1
+ rt_ready_flag

+ onInitialize()

< SmRidgebackFloorCoverage
Dynamic1, MsDanceBotRunMode >