shared_ptr< smacc::
introspection::SmaccStateMachine
Info >

std::enable_shared
_from_this< SmaccStateInfo >

map< const std::type
_info *, std::vector
< smacc::introspection
::ClientBehaviorInfoEntry > >

vector< smacc::introspection
::SmaccTransitionInfo >

map< const std::type
_info *, std::vector
< std::shared_ptr< smacc
::introspection::SmaccStateReactor
Info > > >

int

vector< std::shared
_ptr< smacc::introspection
::SmaccStateInfo > >

string

shared_ptr< smacc::
introspection::SmaccStateInfo >

type_info *

+stateMachine_   +staticBehaviorInfo   +transitions_   +stateReactorsInfo   +stateIndex_
+depth_   +children_   +fullStateName
+demangledStateName   +parentState_   +tid_

**smacc::introspection
::SmaccStateInfo**

+ SmaccStateInfo()
+ getStateLevel()
+ depth()
+ getAncestors()
+ getFullPath()
+ createChildState()
+ declareTransition()
+ toShortName()
+ getDemangledFullName()

NodeHandle

vector< std::shared
_ptr< smacc::StateReactor > >

#contextNh
#nh

#stateReactors_   -stateMachineInfo_   #stateInfo_   #currentStateInfo_

smacc::ISmaccState

+ getStateMachine()
+ getParentState()
+ getROSNode()
+ getClassName()
+ configure()
+ requiresComponent()
+ requiresClient()
+ getGlobalSMData()
+ setGlobalSMData()
+ createStateReactor()
+ createStateReactor()
+ postEvent()
+ notifyTransition()
+ notifyTransitionFromTransition
TypeInfo()
+ getStateReactors()
+ getParam()
+ setParam()
+ param()
+ getOrthogonal()
# requestLockStateMachine()
# requestUnlockStateMachine()

#parentState_

unsigned long

Timer

map< std::string, std
::shared_ptr< smacc::
smacc::ISmaccOrthogonal > >

SmaccStatus

recursive_mutex

map< std::string, std
::pair< std::function
< std::string()>, boost
::any > >

list< boost::signals2
::connection >

SMRunMode

vector< smacc_msgs
::SmaccTransitionLogEntry >

ServiceServer

Publisher

#private_nh_
#nh_

#transitionLogPub_
#stateMachineStatusPub_

#stateMachinePub_

-nh_

#currentState_   -stateSeqCounter_   #timer_   #orthogonals_   #status_msg_   -m_mutex_   -globalData_   -stateCallbackConnections_   -runMode_   -transitionLogHistory_   #transitionHistoryService_

smacc::ISmaccStateMachine

+ ISmaccStateMachine()
+ ~ISmaccStateMachine()
+ reset()
+ stop()
+ eStop()
+ getOrthogonal()
+ getOrthogonals()
+ requiresComponent()
+ postEvent()
+ postEvent()
+ getTransitionLogHistory()
+ getGlobalSMData()
+ setGlobalSMData()
+ mapBehavior()
+ updateStatusMessage()
+ getStateMachineName()
+ state_machine_visualization()
+ getCurrentStateInfo()
+ publishTransition()
+ onInitialize()
+ getTransitionLogHistory()
+ createSignalConnection()
+ notifyOnStateEntryStart()
+ notifyOnStateEntryEnd()
+ notifyOnRuntimeConfigured()
+ notifyOnStateExit()
+ getCurrentStateCounter()
+ getCurrentState()
+ getStateMachineInfo()
+ buildStateMachineInfo()
# checkStateMachineConsistence()
# onInitializing()
# onInitialized()
# createOrthogonal()
# getParam()
# setParam()
# param()
- lockStateMachine()
- unlockStateMachine()
- propagateEventToStateReactors()

processor_handle

SmaccFifoScheduler *

double

vector< smacc::ISmaccUpdatable * >

thread

atomic< bool >

atomic< unsigned long >

vector< std::shared
_ptr< smacc::smacc::
ISmaccClient > >

vector< std::shared
_ptr< smacc::smacc::
SmaccClientBehavior > >

-statusPub_

-stateMachine_

-signalDetector_   -smaccStateMachine_   -processorHandle_   -scheduler_   -loop_rate_hz   -updatableClients_
-updatableStateElements_   -signalDetectorThread_   -end_   -lastState_

#clients_   -clientBehaviors_

smacc::ISmaccOrthogonal

+ setStateMachine()
+ getStateMachine()
+ addClientBehavior()
+ runtimeConfigure()
+ onEntry()
+ onExit()
+ getName()
+ requiresComponent()
+ requiresClient()
+ getClients()
+ getClientBehaviors()
+ setGlobalSMData()
+ getGlobalSMData()
+ getClientBehavior()
# onInitialize()
# assignClientToOrthogonal()

smacc::SignalDetector

+ SignalDetector()
+ initialize()
+ setProcessorHandle()
+ runThread()
+ join()
+ stop()
+ pollingLoop()
+ pollOnce()
+ postEvent()
- findUpdatableClients()
- findUpdatableStateElements()

**smacc::Orthogonal<
TOrthogonal >**

+ createClient()

< OrKeyboard >

**smacc::Orthogonal<
OrKeyboard >**

+ createClient()

sm_calendar_week::OrKeyboard

+ onInitialize()