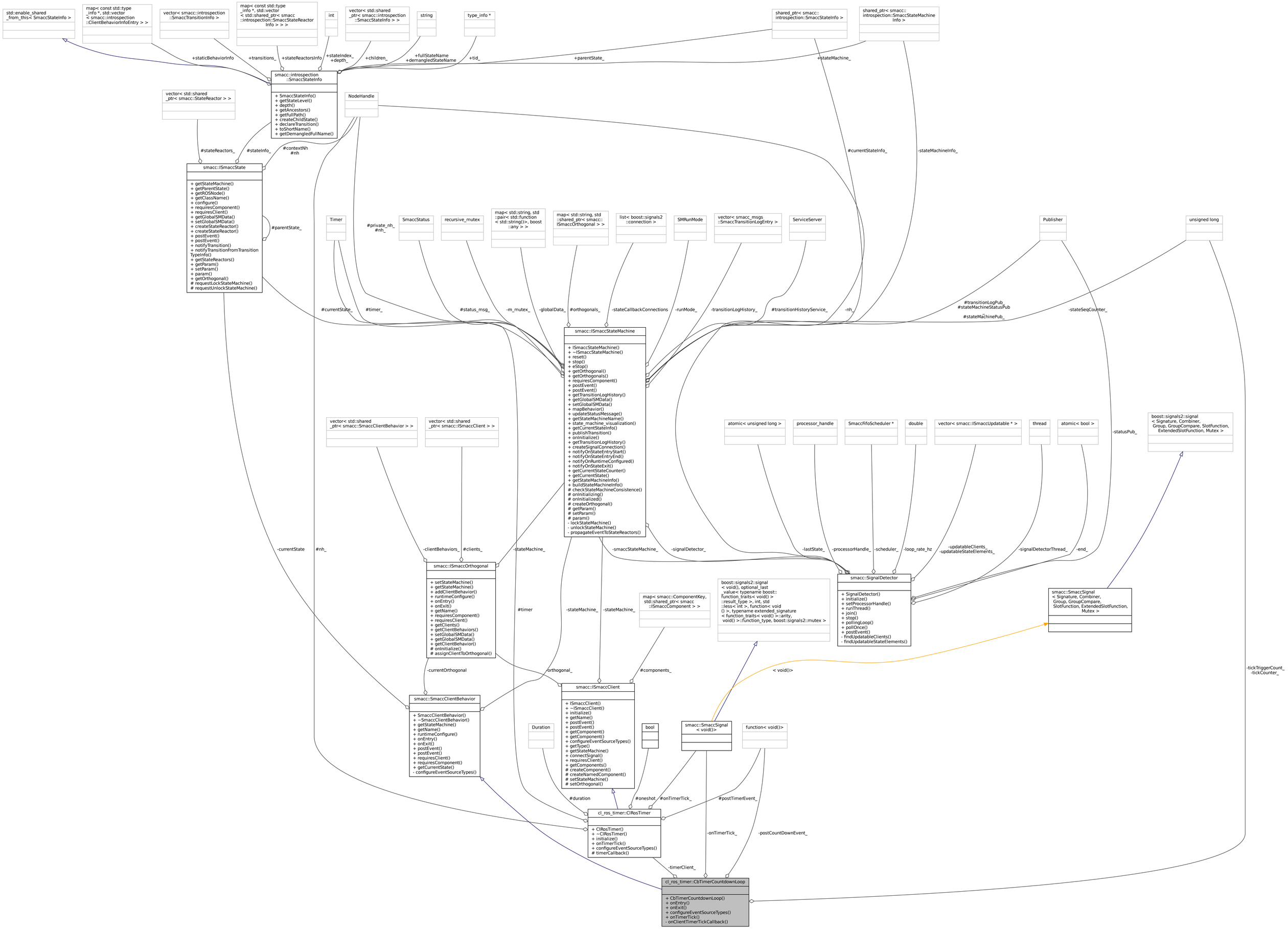
std::enable_shared_from_this< SmaccStateInfo >
map< const std::type_info *, std::vector< smacc::introspection::ClientBehaviorInfoEntry > >
vector< smacc::introspection::SmaccTransitionInfo >
map< const std::type_info *, std::vector< std::shared_ptr< smacc::introspection::SmaccStateReactorInfo > > >
int
vector< std::shared_ptr< smacc::introspection::SmaccStateInfo > >
string
type_info *
shared_ptr< smacc::introspection::SmaccStateInfo >
shared_ptr< smacc::introspection::SmaccStateMachineInfo >
+staticBehaviorInfo
+transitions_
+stateReactorsInfo
+stateIndex_
+depth_
+children_
+fullStateName
+demangledStateName
+tid_
+parentState_
+stateMachine_
smacc::introspection::SmaccStateInfo
+ SmaccStateInfo()
+ getStateLevel()
+ depth()
+ getAncestors()
+ getFullPath()
+ createChildState()
+ declareTransition()
+ toShortName()
+ getDemangledFullName()
vector< std::shared_ptr< smacc::StateReactor > >
NodeHandle
#stateReactors_
#stateInfo_
#contextNh
#nh
#currentStateInfo_
-stateMachineInfo_
smacc::ISmaccState
+ getStateMachine()
+ getParentState()
+ getROSNode()
+ getClassName()
+ configure()
+ requiresComponent()
+ requiresClient()
+ getGlobalSMData()
+ setGlobalSMData()
+ createStateReactor()
+ createStateReactor()
+ postEvent()
+ postEvent()
+ notifyTransition()
+ notifyTransitionFromTransitionTypeInfo()
+ getStateReactors()
+ getParam()
+ setParam()
+ param()
+ getOrthogonal()
# requestLockStateMachine()
# requestUnlockStateMachine()
#parentState_
Timer
#private_nh_
#nh_
SmaccStatus
recursive_mutex
map< std::string, std::pair< std::function< std::string()>, boost::any > >
map< std::string, std::shared_ptr< smacc::ISmaccOrthogonal > >
list< boost::signals2::connection >
SMRunMode
vector< smacc_msgs::SmaccTransitionLogEntry >
ServiceServer
Publisher
unsigned long
#currentState_
#timer_
#status_msg_
-m_mutex_
-globalData_
#orthogonals_
-stateCallbackConnections
-runMode_
-transitionLogHistory_
#transitionHistoryService_
-nh_
#transitionLogPub_
#stateMachineStatusPub
#stateMachinePub_
-stateSeqCounter_
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()
vector< std::shared_ptr< smacc::SmaccClientBehavior > >
vector< std::shared_ptr< smacc::ISmaccClient > >
atomic< unsigned long >
processor_handle
SmaccFifoScheduler *
double
vector< smacc::ISmaccUpdatable * >
thread
atomic< bool >
boost::signals2::signal< Signature, Combiner, Group, GroupCompare, SlotFunction, ExtendedSlotFunction, Mutex >
-statusPub_
-currentState
#nh_
-clientBehaviors_
#clients_
-stateMachine_
-smaccStateMachine_
-signalDetector_
-lastState_
-processorHandle_
-scheduler_
-loop_rate_hz
-updatableClients_
-updatableStateElements_
-signalDetectorThread_
-end_
smacc::SignalDetector
+ SignalDetector()
+ initialize()
+ setProcessorHandle()
+ runThread()
+ join()
+ stop()
+ pollingLoop()
+ pollOnce()
+ postEvent()
- findUpdatableClients()
- findUpdatableStateElements()
smacc::SmaccSignal< Signature, Combiner, Group, GroupCompare, SlotFunction, ExtendedSlotFunction, Mutex >
smacc::ISmaccOrthogonal
+ setStateMachine()
+ getStateMachine()
+ addClientBehavior()
+ runtimeConfigure()
+ onEntry()
+ onExit()
+ getName()
+ requiresComponent()
+ requiresClient()
+ getClients()
+ getClientBehaviors()
+ setGlobalSMData()
+ getGlobalSMData()
+ getClientBehavior()
# onInitialize()
# assignClientToOrthogonal()
#timer
-stateMachine_
-stateMachine_
map< smacc::ComponentKey, std::shared_ptr< smacc::ISmaccComponent > >
boost::signals2::signal< void(), optional_last_value< typename boost::function_traits< void() >::result_type >, int, std::less< int >, function< void() >, typename extended_signature< function_traits< void() >::arity, void() >::function_type, boost::signals2::mutex >
-currentOrthogonal
-orthogonal_
#components_
< void()>
-tickTriggerCount_
-tickCounter_
smacc::ISmaccClient
+ ISmaccClient()
+ ~ISmaccClient()
+ initialize()
+ getName()
+ postEvent()
+ postEvent()
+ getComponent()
+ getComponent()
+ configureEventSourceTypes()
+ getType()
+ getStateMachine()
+ connectSignal()
+ requiresClient()
+ getComponents()
# createComponent()
# createNamedComponent()
# setStateMachine()
# setOrthogonal()
smacc::SmaccClientBehavior
+ SmaccClientBehavior()
+ ~SmaccClientBehavior()
+ getStateMachine()
+ getName()
+ runtimeConfigure()
+ onEntry()
+ onExit()
+ postEvent()
+ postEvent()
+ requiresClient()
+ requiresComponent()
+ getCurrentState()
- configureEventSourceTypes()
Duration
bool
smacc::SmaccSignal< void()>
function< void()>
#duration
#oneshot
#onTimerTick_
#postTimerEvent_
cl_ros_timer::ClRosTimer
+ ClRosTimer()
+ ~ClRosTimer()
+ initialize()
+ onTimerTick()
+ configureEventSourceTypes()
# timerCallback()
-onTimerTick_
-postCountDownEvent_
-timerClient_
cl_ros_timer::CbTimerCountdownLoop
+ CbTimerCountdownLoop()
+ onEntry()
+ onExit()
+ configureEventSourceTypes()
+ onTimerTick()
- onClientTimerTickCallback()