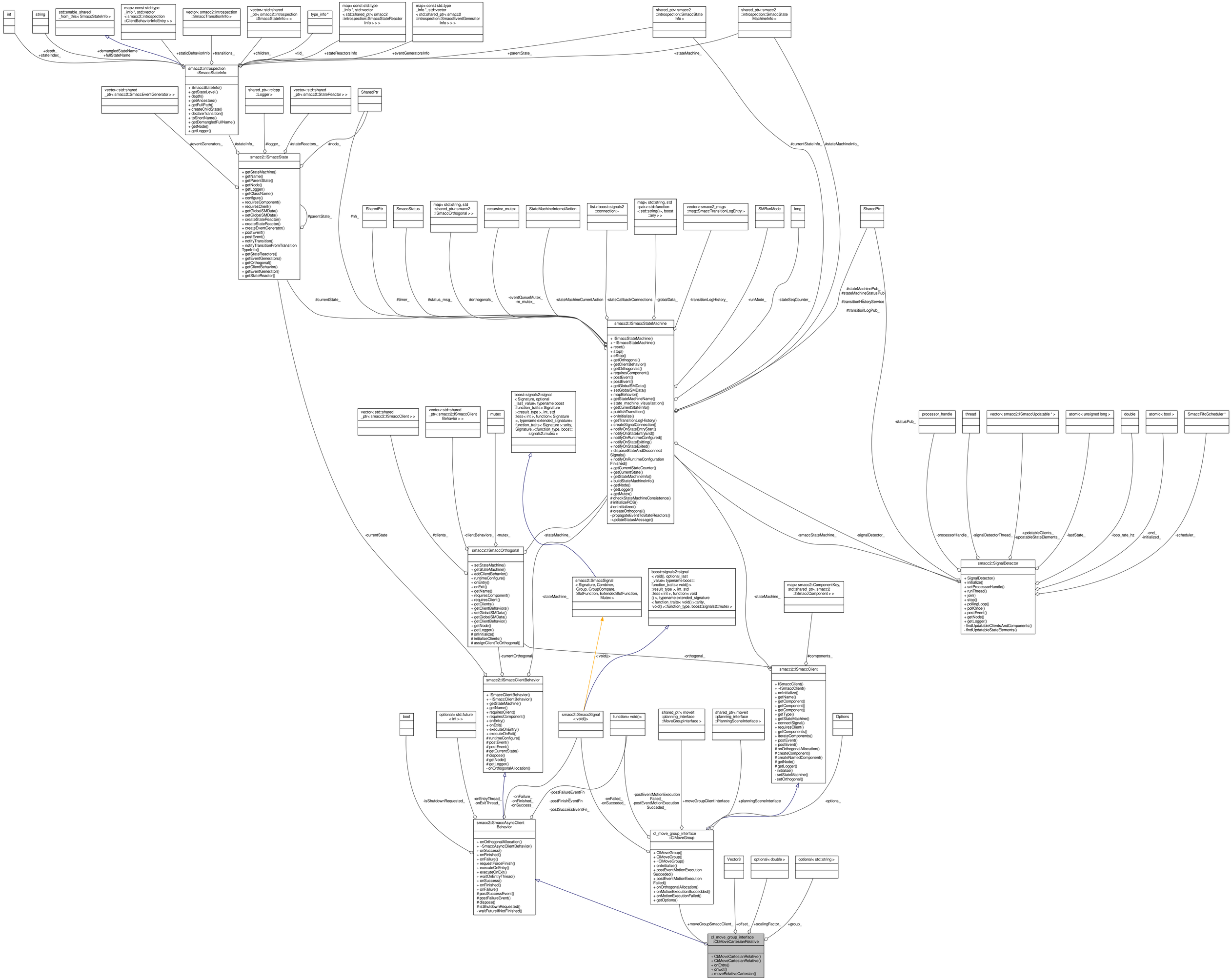
int
string
std::enable_shared
_from_this< SmaccStateInfo >
map< const std::type
_info *, std::vector
< smacc2::introspection
::ClientBehaviorInfoEntry > >
vector< smacc2::introspection
::SmaccTransitionInfo >
vector< std::shared
_ptr< smacc2::introspection
::SmaccStateInfo > >
type_info *
map< const std::type
_info *, std::vector
< std::shared_ptr< smacc2
::introspection::SmaccStateReactor
Info > > >
map< const std::type
_info *, std::vector
< std::shared_ptr< smacc2
::introspection::SmaccEventGenerator
Info > > >
shared_ptr< smacc2
::introspection::SmaccState
Info >
shared_ptr< smacc2
::introspection::SmaccState
MachineInfo >
+depth_
+stateIndex_
+demangledStateName
+fullStateName
+staticBehaviorInfo
+transitions_
+children_
+id_
+stateReactorsInfo
+eventGeneratorsInfo
+parentState_
+stateMachine_
smacc2::introspection
::SmaccStateInfo
+ SmaccStateInfo()
+ getStateLevel()
+ depth()
+ getAncestors()
+ getFullPath()
+ createChildState()
+ declareTransition()
+ toShortName()
+ getDemangledFullName()
+ getNode()
+ getLogger()
vector< std::shared
_ptr< smacc2::SmaccEventGenerator > >
shared_ptr< rclcpp
::Logger >
vector< std::shared
_ptr< smacc2::StateReactor > >
SharedPtr
#eventGenerators_
#stateInfo_
#logger_
#stateReactors_
#node_
#currentStateInfo_
#stateMachineInfo_
smacc2::ISmaccState
+ getStateMachine()
+ getName()
+ getParentState()
+ getNode()
+ getLogger()
+ getClassName()
+ configure()
+ requiresComponent()
+ requiresClient()
+ getGlobalSMData()
+ setGlobalSMData()
+ createStateReactor()
+ createStateReactor()
+ createEventGenerator()
+ postEvent()
+ postEvent()
+ notifyTransition()
+ notifyTransitionFromTransition
TypeInfo()
+ getStateReactors()
+ getEventGenerators()
+ getOrthogonal()
+ getClientBehavior()
+ getEventGenerator()
+ getStateReactor()
#parentState_
#hh_
SharedPtr
SmaccStatus
map< std::string, std
::shared_ptr< smacc2
::ISmaccOrthogonal > >
recursive_mutex
StateMachineInternalAction
list< boost::signals2
::connection >
map< std::string, std
::pair< std::function
< std::string()>, boost
::any > >
vector< smacc2_msgs
::msg::SmaccTransitionLogEntry >
SMRunMode
long
SharedPtr
#currentState_
#timer_
#status_msg_
#orthogonals_
-eventQueueMutex_
-m_mutex_
-stateMachineCurrentAction
-stateCallbackConnections
-globalData_
-transitionLogHistory_
-runMode_
-stateSeqCounter_
#stateMachinePub_
#stateMachineStatusPub
#transitionHistoryService
#transitionLogPub_
smacc2::ISmaccStateMachine
+ ISmaccStateMachine()
+ ~ISmaccStateMachine()
+ reset()
+ stop()
+ eStop()
+ getOrthogonal()
+ getClientBehavior()
+ getOrthogonals()
+ requiresComponent()
+ postEvent()
+ postEvent()
+ getGlobalSMData()
+ setGlobalSMData()
+ mapBehavior()
+ getStateMachineName()
+ state_machine_visualization()
+ getCurrentStateInfo()
+ publishTransition()
+ onInitialize()
+ getTransitionLogHistory()
+ createSignalConnection()
+ notifyOnStateEntryStart()
+ notifyOnStateEntryEnd()
+ notifyOnRuntimeConfigured()
+ notifyOnStateExiting()
+ notifyOnStateExited()
+ disposeStateAndDisconnect
Signals()
+ notifyOnRuntimeConfiguration
Finished()
+ getCurrentStateCounter()
+ getCurrentState()
+ getStateMachineInfo()
+ buildStateMachineInfo()
+ getNode()
+ getLogger()
+ getMutex()
# checkStateMachineConsistence()
# initializeROS()
# onInitialized()
# createOrthogonal()
- propagateEventToStateReactors()
- updateStatusMessage()
vector< std::shared
_ptr< smacc2::ISmaccClient > >
vector< std::shared
_ptr< smacc2::ISmaccClient
Behavior > >
mutex
boost::signals2::signal
< Signature, optional
_last_value< typename boost
::function_traits< Signature
>::result_type >, int, std
::less< int >, function< Signature
>, typename extended_signature<
function_traits< Signature >::arity,
Signature >::function_type, boost::
signals2::mutex >
processor_handle
thread
vector< smacc2::ISmaccUpdatable * >
atomic< unsigned long >
double
atomic< bool >
SmaccFifoScheduler *
-statusPub_
-currentState
#clients_
-clientBehaviors_
-mutex_
-stateMachine_
-smaccStateMachine_
-signalDetector_
-processorHandle_
-signalDetectorThread_
-updatableClients_
-updatableStateElements_
-lastState_
-loop_rate_hz
-end_
-initialized_
-scheduler_
smacc2::ISmaccOrthogonal
+ setStateMachine()
+ getStateMachine()
+ addClientBehavior()
+ runtimeConfigure()
+ onEntry()
+ onExit()
+ getName()
+ requiresComponent()
+ requiresClient()
+ getClients()
+ getClientBehaviors()
+ setGlobalSMData()
+ getGlobalSMData()
+ getClientBehavior()
+ getNode()
+ getLogger()
# onInitialize()
# initializeClients()
# assignClientToOrthogonal()
smacc2::SmaccSignal
< Signature, Combiner,
Group, GroupCompare,
SlotFunction, ExtendedSlotFunction,
Mutex >
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 >
map< smacc2::ComponentKey,
std::shared_ptr< smacc2
::ISmaccComponent > >
smacc2::SignalDetector
+ SignalDetector()
+ initialize()
+ setProcessorHandle()
+ runThread()
+ join()
+ stop()
+ pollingLoop()
+ pollOnce()
+ postEvent()
+ getNode()
+ getLogger()
- findUpdatableClientsAndComponents()
- findUpdatableStateElements()
-stateMachine_
-stateMachine_
-stateMachine_
-currentOrthogonal
< void()>
-orthogonal_
#components_
smacc2::ISmaccClientBehavior
+ ISmaccClientBehavior()
+ ~ISmaccClientBehavior()
+ getStateMachine()
+ getName()
+ requiresClient()
+ requiresComponent()
+ onEntry()
+ onExit()
+ executeOnEntry()
+ executeOnExit()
# runtimeConfigure()
# postEvent()
# postEvent()
# getCurrentState()
# dispose()
# getNode()
# getLogger()
- onOrthogonalAllocation()
smacc2::ISmaccClient
+ ISmaccClient()
+ ~ISmaccClient()
+ onInitialize()
+ getName()
+ getComponent()
+ getComponent()
+ getComponent()
+ getType()
+ getStateMachine()
+ connectSignal()
+ requiresClient()
+ getComponents()
+ iterateComponents()
+ postEvent()
+ postEvent()
# onOrthogonalAllocation()
# createComponent()
# createNamedComponent()
# getNode()
# getLogger()
- initialize()
- setStateMachine()
- setOrthogonal()
bool
optional< std::future
< int > >
smacc2::SmaccSignal
< void()>
function< void()>
shared_ptr< moveit
::planning_interface
::MoveGroupInterface >
shared_ptr< moveit
::planning_interface
::PlanningSceneInterface >
Options
-isShutdownRequested_
-onEntryThread_
-onExitThread_
-onFailure_
-onFinished_
-onSuccess_
-postFailureEventFn
_
-postFinishEventFn
_
-postSuccessEventFn_
-onFailed_
-onSucceded_
-postEventMotionExecution
Failed_
-postEventMotionExecution
Succeded_
+moveGroupClientInterface
+planningSceneInterface
-options_
smacc2::SmaccAsyncClient
Behavior
+ onOrthogonalAllocation()
+ ~SmaccAsyncClientBehavior()
+ onSuccess()
+ onFinished()
+ onFailure()
+ requestForceFinish()
+ executeOnEntry()
+ executeOnExit()
+ waitOnEntryThread()
+ onSuccess()
+ onFinished()
+ onFailure()
# postSuccessEvent()
# postFailureEvent()
# dispose()
# isShutdownRequested()
- waitFutureIfNotFinished()
cl_move_group_interface
::ClMoveGroup
+ ClMoveGroup()
+ ClMoveGroup()
+ ~ClMoveGroup()
+ onInitialize()
+ postEventMotionExecution
Succeded()
+ postEventMotionExecution
Failed()
+ onOrthogonalAllocation()
+ onMotionExecutionSuccedded()
+ onMotionExecutionFailed()
+ getOptions()
Vector3
optional< double >
optional< std::string >
+moveGroupSmaccClient_
+offset_
+scalingFactor_
+group_
cl_move_group_interface
::CbMoveCartesianRelative
+ CbMoveCartesianRelative()
+ CbMoveCartesianRelative()
+ onEntry()
+ onExit()
+ moveRelativeCartesian()