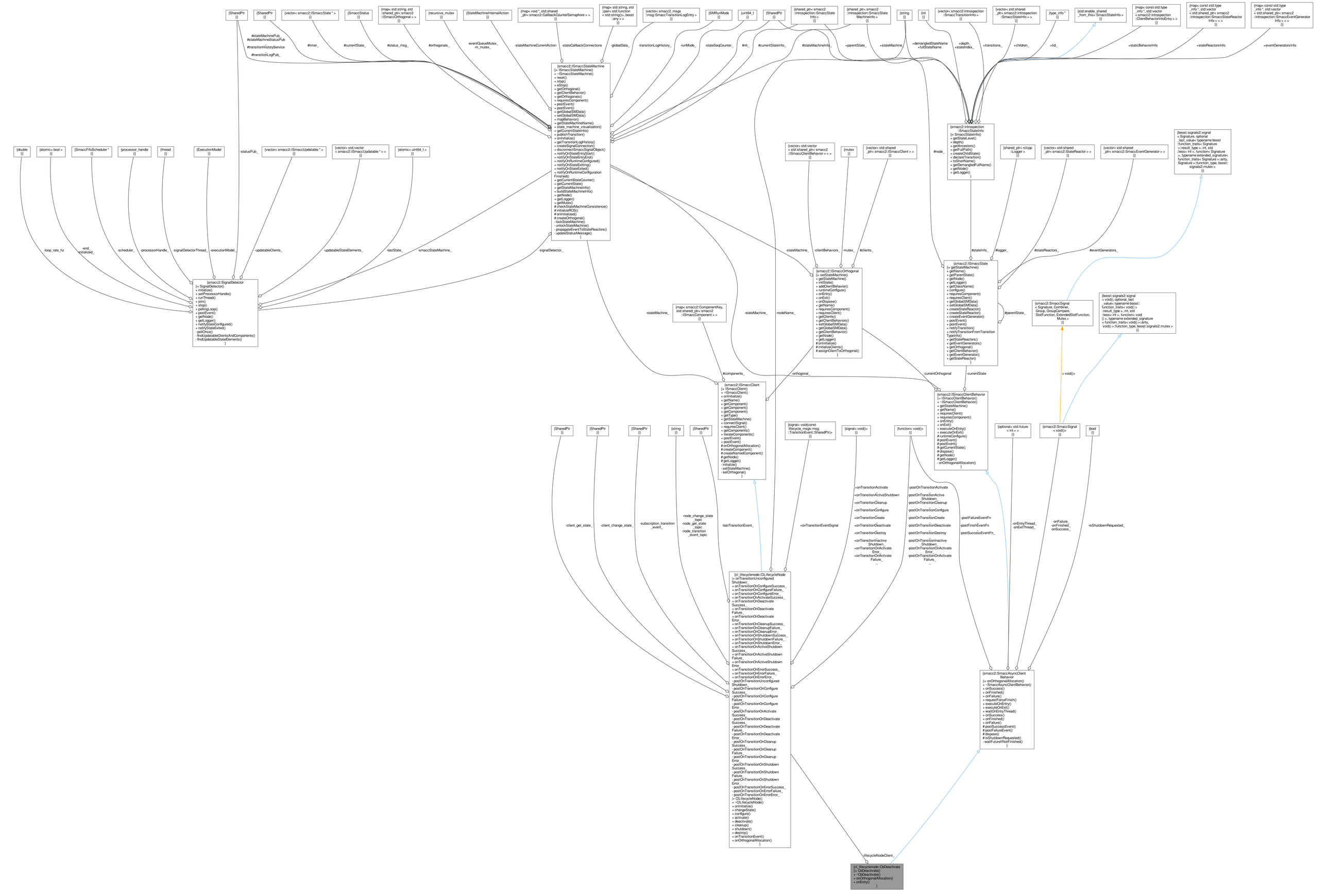
[smacc2::ISmaccStateMachine
|+ ISmaccStateMachine()
+ ~ISmaccStateMachine()
+ reset()
+ stop()
+ eStop()
+ getOrthogonal()
+ getClientBehavior()
+ getOrthogonals()
+ requiresComponent()
+ postEvent()
+ postEvent()
+ getGlobalSMData()
+ setGlobalSMData()
+ mapBehavior()
+ getStateMachineName()
+ state_machine_visualization()
+ getCurrentStateInfo()
+ publishTransition()
+ onInitialize()
+ getTransitionLogHistory()
+ createSignalConnection()
+ disconnectSmaccSignalObject()
+ notifyOnStateStart()
+ notifyOnStateEntryEnd()
+ notifyOnRuntimeConfigured()
+ notifyOnStateExiting()
+ notifyOnStateExited()
+ notifyOnRuntimeConfiguration
Finished()
+ getCurrentStateCounter()
+ getCurrentState()
+ getStateMachineInfo()
+ buildStateMachineInfo()
+ getNode()
+ getLogger()
+ getMutex()
# checkStateMachineConsistence()
# initializeROS()
# onInitialized()
# createOrthogonal()
- lockStateMachine()
- unlockStateMachine()
- propagateEventToStateReactors()
- updateStatusMessage()
}]
[smacc2::SignalDetector
|+ SignalDetector()
+ initialize()
+ setProcessorHandle()
+ runThread()
+ join()
+ stop()
+ pollingLoop()
+ postEvent()
+ getNode()
+ getLogger()
+ notifyStateConfigured()
+ notifyStateExited()
- pollOnce()
- findUpdatableClientsAndComponents()
- findUpdatableStateElements()
}]
[smacc2::ISmaccOrthogonal
|+ setStateMachine()
+ getStateMachine()
+ initState()
+ addClientBehavior()
+ runtimeConfigure()
+ onEntry()
+ onExit()
+ onDispose()
+ getName()
+ requiresComponent()
+ requiresClient()
+ getClients()
+ getClientBehaviors()
+ setGlobalSMData()
+ getGlobalSMData()
+ getClientBehavior()
+ getNode()
+ getLogger()
# onInitialize()
# initializeClients()
# assignClientToOrthogonal()
}]
[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()
}]
[smacc2::ISmaccClient
|+ ISmaccClient()
+ ~ISmaccClient()
+ onInitialize()
+ getName()
+ getComponent()
+ getComponent()
+ getComponent()
+ getComponent()
+ getType()
+ getStateMachine()
+ connectSignal()
+ requiresClient()
+ getComponents()
+ iterateComponents()
+ postEvent()
+ postEvent()
# onOrthogonalAllocation()
# createComponent()
# createNamedComponent()
# getNode()
# getLogger()
- initialize()
- setStateMachine()
- setOrthogonal()
}]
[smacc2::ISmaccClientBehavior
|+ ISmaccClientBehavior()
+ ~ISmaccClientBehavior()
+ getStateMachine()
+ getName()
+ requiresClient()
+ requiresComponent()
+ onEntry()
+ onExit()
+ executeOnEntry()
+ executeOnExit()
# runtimeConfigure()
# postEvent()
# postEvent()
# getCurrentState()
# dispose()
# getNode()
# getLogger()
- onOrthogonalAllocation()
}]
[cl_lifecyclenode::CILifecycleNode
|+ onTransitionUnconfigured
Shutdown_
+ onTransitionOnConfigureSuccess_
+ onTransitionOnConfigureFailure_
+ onTransitionOnConfigureError_
+ onTransitionOnActivateSuccess_
+ onTransitionOnDeactivate
Success_
+ onTransitionOnDeactivate
Failure_
+ onTransitionOnDeactivate
Error_
+ onTransitionOnCleanupSuccess_
+ onTransitionOnCleanupFailure_
+ onTransitionOnCleanupError_
+ onTransitionOnShutdownSuccess_
+ onTransitionOnShutdownFailure_
+ onTransitionOnShutdownError_
+ onTransitionOnActiveShutdown
Success_
+ onTransitionOnActiveShutdown
Failure_
+ onTransitionOnActiveShutdown
Error_
+ onTransitionOnErrorSuccess_
+ onTransitionOnErrorFailure_
+ onTransitionOnErrorError_
- postOnTransitionUnconfigured
Shutdown_
- postOnTransitionOnConfigure
Success_
- postOnTransitionOnConfigure
Failure_
- postOnTransitionOnConfigure
Error_
- postOnTransitionOnActivate
Success_
- postOnTransitionOnDeactivate
Success_
- postOnTransitionOnDeactivate
Failure_
- postOnTransitionOnDeactivate
Error_
- postOnTransitionOnCleanup
Success_
- postOnTransitionOnCleanup
Failure_
- postOnTransitionOnCleanup
Error_
- postOnTransitionOnShutdown
Success_
- postOnTransitionOnShutdown
Failure_
- postOnTransitionOnShutdown
Error_
- postOnTransitionOnErrorSuccess_
- postOnTransitionOnErrorFailure_
- postOnTransitionOnErrorError_
[+ CILifecycleNode()
+ ~CILifecycleNode()
+ onInitialize()
+ changeState()
+ configure()
+ activate()
+ deactivate()
+ cleanup()
+ shutdown()
+ destroy()
+ onTransitionEvent()
+ onOrthogonalAllocation()
}]
[smacc2::SmaccAsyncClient
Behavior
|+ onOrthogonalAllocation()
+ ~SmaccAsyncClientBehavior()
+ onSuccess()
+ onFinished()
+ onFailure()
+ requestForceFinish()
+ executeOnEntry()
+ executeOnExit()
+ waitOnEntryThread()
+ onSuccess()
+ onFinished()
+ onFailure()
# postSuccessEvent()
# postFailureEvent()
# dispose()
# isShutdownRequested()
- waitFutureIfNotFinished()
}]
[cl_lifecyclenode::CbDeactivate
|+ CbDeactivate()
+ ~CbDeactivate()
+ onOrthogonalAllocation()
+ onEntry()
}]
[smacc2::introspection
::SmaccStateInfo
|+ SmaccStateInfo()
+ getStateLevel()
+ depth()
+ getAncestors()
+ getFullPath()
+ createChildState()
+ declareTransition()
+ toShortName()
+ getDemangledFullName()
+ getNode()
+ getLogger()
}]
[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 >
|]
[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 >
|]
-statusPub_
-loop_rate_hz
-end_
initialized_
-scheduler_
-processorHandle_
-signalDetectorThread_
-executionModel_
-updatableClients_
-updatableStateElements_
-lastState_
-smaccStateMachine_
-signalDetector_
-stateMachine_
-clientBehaviors_
-mutex_
-clients_
-nodeName_
#components_
-orthogonal_
-currentOrthogonal
-currentState
#stateInfo_
#logger_
#stateReactors_
#eventGenerators_
#parentState_
#node_
-client_get_state_
-client_change_state_
-subscription_transition
event
-node_change_state
_topic
-node_get_state
_topic
-node_transition
_event_topic
-lastTransitionEvent_
+onTransitionEventSignal
+onTransitionActivate
+onTransitionActiveShutdown
+onTransitionCleanup
+onTransitionConfigure
+onTransitionCreate
+onTransitionDeactivate
+onTransitionDestroy
+onTransitionInactive
Shutdown_
+onTransitionOnActivate
Error_
+onTransitionOnActivate
Failure_
-postOnTransitionActivate
-postOnTransitionActive
Shutdown_
-postOnTransitionCleanup
-postOnTransitionConfigure
-postOnTransitionCreate
-postOnTransitionDeactivate
-postOnTransitionDestroy
-postOnTransitionInactive
Shutdown_
-postOnTransitionOnActivate
Error_
-postOnTransitionOnActivate
Failure_
-postFailureEventFn
-postFinishEventFn
-postSuccessEventFn_
-onEntryThread_
-onExitThread_
-onFailure_
-onFinished_
-onSuccess_
-isShutdownRequested_
-lifecycleNodeClient_