cl_nav2z::CbNavigateForward
+ CbNavigateForward()
+ CbNavigateForward()
+ CbNavigateForward()
+ ~CbNavigateForward()
+ onEntry()
+ onExit()
+ setForwardDistance()
optional< float >
#forwardDistance_
+forwardSpeed
optional< geometry_msgs::msg::Quaternion >
+forceInitialOrientation
optional< std::string >
+goalChecker_
optional< geometry_msgs::msg::PoseStamped >
#goalPose_
#odomTracker_
cl_nav2z::CbNav2ZClientBehaviorBase
+ ~CbNav2ZClientBehaviorBase()
+ onOrthogonalAllocation()
- propagateSuccessEvent()
- propagateFailureEvent()
ResultCode
#navigationResult_
#moveBaseClient_
cl_nav2z::ClNav2Z
+ ClNav2Z()
+ ~ClNav2Z()
smacc2::SmaccAsyncClientBehavior
smacc2::client_bases::SmaccActionClientBase< nav2_msgs::action::NavigateToPose >
+ SmaccActionClientBase()
+ SmaccActionClientBase()
+ ~SmaccActionClientBase()
+ getClientBase()
+ onInitialize()
+ postResultEvent()
+ onOrthogonalAllocation()
+ onSucceeded()
+ onSucceeded()
+ onAborted()
+ onAborted()
+ onCancelled()
+ onCancelled()
+ cancelGoal()
+ sendGoal()
+ getEventLabel()
# onFeedback()
# onResult()
< nav2_msgs::action::NavigateToPose >
smacc2::client_bases::SmaccActionClientBase< ActionType >
+ SmaccActionClientBase()
+ SmaccActionClientBase()
+ ~SmaccActionClientBase()
+ getClientBase()
+ onInitialize()
+ postResultEvent()
+ onOrthogonalAllocation()
+ onSucceeded()
+ onSucceeded()
+ onAborted()
+ onAborted()
+ onCancelled()
+ onCancelled()
+ cancelGoal()
+ sendGoal()
+ getEventLabel()
# onFeedback()
# onResult()
+onAborted_
+onCancelled_
+onSucceeded_
+feedback_cb
+postAbortedEvent
+postCancelledEvent
+postSuccessEvent
#client_
+postFeedbackEvent
+done_cb
+lastRequest_
+goalHandle_
+action_endpoint_
SharedPtr
FeedbackCallback
ResultCallback
smacc2::client_bases::SmaccActionClient
smacc2::SmaccSignal< void(const WrappedResult &)>
smacc2::SmaccSignal< void()>
< void(const WrappedResult &)>
< void()>
smacc2::SmaccSignal< Signature, Combiner, Group, GroupCompare, SlotFunction, ExtendedSlotFunction, Mutex >
string
double
bool
#clearAngularDistanceThreshold_
#clearPointDistanceThreshold_
#recordAngularDistanceThreshold_
#recordPointDistanceThreshold_
#currentPathName_
#odomFrame_
#odomTopicName_
#publishMessages
#subscribeToOdometryTopic_
cl_nav2z::odom_tracker::OdomTracker
+ OdomTracker()
+ processOdometryMessage()
+ setWorkingMode()
+ setPublishMessages()
+ pushPath()
+ pushPath()
+ popPath()
+ clearPath()
+ setStartPoint()
+ setStartPoint()
+ setCurrentMotionGoal()
+ setCurrentPathName()
+ getCurrentMotionGoal()
+ getPath()
+ logStateString()
# onInitialize()
# updateConfiguration()
# rtPublishPaths()
# updateRecordPath()
# updateClearPath()
# updateAggregatedStackPath()
SharedPtr
SharedPtr
Path
WorkingMode
vector< nav_msgs::msg::Path >
vector< cl_nav2z::odom_tracker::OdomTracker::PathInfo >
mutex
#robotBasePathPub_
#robotBasePathStackedPub_
#odomSub_
#aggregatedStackPathMsg_
#baseTrajectory_
#workingMode_
#pathStack_
#pathInfos_
#m_mutex_
#currentMotionGoal_
smacc2::ISmaccComponent
+ ISmaccComponent()
+ ~ISmaccComponent()
+ getName()
# onInitialize()
# postEvent()
# postEvent()
# onOrthogonalAllocation()
# requiresComponent()
# requiresClient()
# createSiblingComponent()
# createSiblingNamedComponent()
# getNode()
# getLogger()
# getStateMachine()
- initialize()
- setStateMachine()
#owner_
#stateMachine_
smacc2::ISmaccClient
+ ISmaccClient()
+ ~ISmaccClient()
+ onInitialize()
+ getName()
+ getComponent()
+ getComponent()
+ getComponent()
+ getType()
+ getStateMachine()
+ connectSignal()
+ requiresClient()
+ getComponents()
+ postEvent()
+ postEvent()
# onOrthogonalAllocation()
# createComponent()
# createNamedComponent()
# getNode()
# getLogger()
- initialize()
- setStateMachine()
- setOrthogonal()
#components_
-orthogonal_
-currentOrthogonal
smacc2::ISmaccClientBehavior
+ ISmaccClientBehavior()
+ ~ISmaccClientBehavior()
+ getStateMachine()
+ getName()
+ requiresClient()
+ requiresComponent()
# runtimeConfigure()
# onEntry()
# onExit()
# postEvent()
# postEvent()
# getCurrentState()
# dispose()
# getNode()
# getLogger()
- executeOnEntry()
- executeOnExit()
- onOrthogonalAllocation()
-stateMachine_
smacc2::ISmaccOrthogonal
+ getClients()
+ getClientBehaviors()
+ setGlobalSMData()
+ getGlobalSMData()
+ getClientBehavior()
+ getNode()
+ getLogger()
# onInitialize()
# initializeClients()
# assignClientToOrthogonal()
#clients_
-stateMachine_
-signalDetector_
-clientBehaviors_
-smaccStateMachine_
smacc2::SignalDetector
-statusPub_
-lastState_
-end_
-initialized_
-scheduler_
-processorHandle_
-signalDetectorThread_
-updatableClients_
-updatableStateElements_
-loop_rate_hz
#name_
smacc2::ISmaccStateMachine
+ ISmaccStateMachine()
+ ~ISmaccStateMachine()
+ reset()
+ stop()
+ eStop()
+ getOrthogonal()
+ getOrthogonals()
+ requiresComponent()
+ postEvent()
+ postEvent()
+ getGlobalSMData()
+ setGlobalSMData()
+ mapBehavior()
+ getStateMachineName()
+ state_machine_visualization()
+ getCurrentStateInfo()
+ publishTransition()
+ onInitialize()
+ getTransitionLogHistory()
+ createSignalConnection()
+ notifyOnStateEntryStart()
+ notifyOnStateEntryEnd()
+ notifyOnRuntimeConfigured()
+ notifyOnStateExitting()
+ notifyOnStateExited()
+ disposeStateAndDisconnectSignals()
+ notifyOnRuntimeConfigurationFinished()
+ getCurrentStateCounter()
+ getCurrentState()
+ getStateMachineInfo()
+ buildStateMachineInfo()
+ getNode()
+ getLogger()
+ getMutex()
# checkStateMachineConsistence()
# initializeROS()
# onInitialized()
# createOrthogonal()
- propagateEventToStateReactors()
- updateStatusMessage()
#stateMachineStatusPub_
#timer_
#stateMachinePub_
#transitionLogPub_
#transitionHistoryService_
#status_msg_
#orthogonals_
-eventQueueMutex_
-m_mutex_
-stateMachineCurrentAction
-stateCallbackConnections
-globalData_
-transitionLogHistory_
-runMode_
-stateSeqCounter_
#currentState_
#stateMachineInfo_
#currentStateInfo_
-currentState
smacc2::ISmaccState
#parentState_
#stateInfo_
#node_
#logger_
#stateReactors_
#eventGenerators_
smacc2::introspection::SmaccStateInfo
+demangledStateName
+fullStateName
+stateMachine_
+parentState_
+depth_
+stateIndex_
+transitions_
+children_
+staticBehaviorInfo
+stateReactorsInfo
+eventGeneratorsInfo