smacc2::ISmaccClientBehavior stateMachine currentState - currentOrthogonal + ISmaccClientBehavior() + ~ISmaccClientBehavior() + getStateMachine() + getName() + requiresClient() + requiresComponent() + onEntry() + onExit() + executeOnEntry() + executeOnExit() # runtimeConfigure() # postEvent() # postEvent() # getCurrentState() # dispose() # getNode() # getLogger() onOrthogonalAllocation() smacc2::SmaccAsyncClient Behavior onEntryThread_ onExitThread_ postFinishEventFn_ postSuccessEventFn_ postFailureEventFn_ onFinished_ · onSuccess_ onFailure_ - isShutdownRequested + onOrthogonalAllocation() + ~SmaccAsyncClientBehavior() + onSuccess() + onFinished() + onFailure() + requestForceFinish() + executeOnEntry() + executeOnExit() + waitOnEntryThread() + onSuccess() + onFinished() + onFailure() # postSuccessEvent() # postFailureEvent() # dispose() # isShutdownRequested() waitFutureIfNotFinished() cl_nitrosz::CbNav2ZClient BehaviorBase # nitroszClient_ # navigationCallback_ # navigationResult # goalHandleFuture_ + ~CbNav2ZClientBehaviorBase() + onOrthogonalAllocation() # sendGoal() # cancelGoal() # isOwnActionResponse() # onNavigationResult() # onNavigationActionSuccess() # onNavigationActionAbort() cl_nitrosz::CbNavigateGlobal cl_nitrosz::CbNavigateForward Position + goalYaw cl_nitrosz::CbNavigateNext # odomTracker_ cl_nitrosz::CbRotate Waypoint + options cl_nitrosz::CbUndoPathBackwards goalPose_ + rotateDegree # waypointsNavigator_ + goalPosition listener # forwardDistance_ + goalChecker_ + CbNavigateGlobalPosition() # options_ odomTracker CbNavigateForward() + spinningPlanner # navigationCallback_ + CbNavigateGlobalPosition() options_ CbNavigateForward() - listener + CbNavigateNextWaypoint() + setGoal() CbUndoPathBackwards() CbNavigateForward() + CbRotate() + ~CbNavigateNextWaypoint() + onEntry() onEntry() ~CbNavigateForward() + CbRotate() + onEntry() onExit() + onExit() + onEntry() + onExit() + execute() readStartPoseFromParameter + setForwardDistance() Server() cl_nitrosz::CbNavigateNext WaypointUntilReached cl_nitrosz::CbNavigateNamed Waypoint goalWaypointName_ postEvGoalWaypointReached_ cl_nitrosz::CbStopNavigation + waypointsNavigator_ CbNavigateNextWaypointUntil + waypointname_ Reached() + CbStopNavigation() + CbNavigateNamedWaypoint() ~CbNavigateNextWaypointUntil + onEntry() Reached() + ~CbNavigateNamedWaypoint() + onExit() + onOrthogonalAllocation() + onEntry() + onEntry() + onExit() + onExit() + onNavigationActionSuccess()

cl_nitrosz::CbAbsoluteRotate

updateTemporalBehaviorParameters()

cl_nitrosz::CbRotateLookAt

CbRotateLookAt()

+ CbRotateLookAt()

+ listener

+ lookAtPose_

onEntry()

+ absoluteGoalAngleDegree

+ yawGoalTolerance

+ maxVelTheta

+ spinningPlanner

oldYawTolerance

oldMaxVelTheta

oldMinVelTheta

+ CbAbsoluteRotate()

+ CbAbsoluteRotate()

+ onEntry()

+ onExit()

+ options

onEntry()

onExit()

cl_nitrosz::CbNavigateBackwards

CbNavigateBackwards()

backwardDistance

backwardSpeed

goalChecker_

odomTracker

onEntry()

onExit()

+ listener