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
- onFailure
- isShutdownRequested

onSuccess

- + onOrthogonalAllocation()
- + ~SmaccAsyncClientBehavior()
- + onSuccess() + onFinished()
- + onFailure()
- + requestForceFinish()
- + executeOnEntry()
- + executeOnExit()
- + waitOnEntryThread()
- + onSuccess()
- + onFinished() + onFailure()
- # postSuccessEvent() # postFailureEvent()
- # dispose()
- # isShutdownRequested()
- waitFutureIfNotFinished()

smacc2::ISmaccUpdatable

- periodDuration_ lastUpdate_
- + ISmaccUpdatable()
- + ISmaccUpdatable()
- + executeUpdate()
 - setUpdatePeriod() update()

+ group_ + tipLink_

cl_moveit2z::CbMoveEndEffector Trajectory

- allowInitialTrajectoryState JointDiscontinuity_
- # endEffectorTrajectory_ # movegroupClient_
- # beahiorMarkers_
- markersPub_
- markersInitialized_ iksrv_
- m_mutex_
- postJointDiscontinuityEvent - postIncorrectInitialState
- Event - postMotionExecutionFailure
 - **Events**
- autocleanmarkers
- + CbMoveEndEffectorTrajectory() + CbMoveEndEffectorTrajectory()
- + onOrthogonalAllocation()
- + onEntry() + onExit()
- + update() # computeJointSpaceTrajectory()
- # executeJointSpaceTrajectory()
- # generateTrajectory() # createMarkers()
- # getCurrentEndEffectorPose()
- initializeROS()

Relative2 + offset_

cl_moveit2z::CbMoveCartesian

- + linearSpeed_m_s_ globalFrame_
- + CbMoveCartesianRelative2()
- + CbMoveCartesianRelative2()
- + ~CbMoveCartesianRelative2()

+ generateTrajectory()