smacc2::ISmaccClientBehavior - stateMachine - currentState currentOrthogonal + ISmaccClientBehavior() + ~ISmaccClientBehavior() + getStateMachine() + getName() + requiresClient() + requiresComponent() # runtimeConfigure() # onEntry() # onExit() # postEvent() # postEvent() # getCurrentState() # dispose() #getNode() # getLogger() - executeOnEntry() executeOnExit() - onOrthogonalAllocation() Δ smacc2::SmaccAsyncClient **Behavior** - onEntryThread_ onExitThread postFinishEventFn - postSuccessEventFn postFailureEventFn_ - onFinished smacc2::ISmaccUpdatable -onSuccess_ - onFailure periodDuration isShutdownRequested_ lastUpdate_ + onOrthogonalAllocation() + ISmaccUpdatable() + ISmaccUpdatable() + ~SmaccAsyncClientBehavior() + onSuccess() + executeUpdate() + setUpdatePeriod() + onFinished() + onFailure() # update() + requestForceFinish() # postSuccessEvent() # postFailureEvent() # dispose() #isShutdownRequested() - waitFutureIfNotFinished() - executeOnEntry() executeOnExit() cl_move_group_interface ::CbMoveEndEffectorTrajectory + group + tipLink + 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() cl move group interface ::CbCircularPivotMotion + angularSpeed_rad_s_ + linearSpeed_m_s + relativeInitialPose # planePivotPose_ # deltaRadians + CbCircularPivotMotion() + CbCircularPivotMotion() + CbCircularPivotMotion() + generateTrajectory() + createMarkers() computeCurrentEndEffector PoseRelativeToPivot()

cl_move_group_interface ::CbEndEffectorRotate

+ CbEndEffectorRotate()+ ~CbEndEffectorRotate()

+ tipLink

+ onEntry()