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_ smacc2::ISmaccUpdatable postFailureEventFn_ - onFinished periodDuration_ -onSuccess_ lastUpdate_ - onFailure + ISmaccUpdatable() + onOrthogonalAllocation() + ISmaccUpdatable() + ~SmaccAsyncClientBehavior() + executeUpdate() + onSuccess() + setUpdatePeriod() + onFinished() # update() + onFailure() # postSuccessEvent() # postFailureEvent() # dispose() - 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()