smacc::ISmaccClientBehavior stateMachine currentState currentOrthogonal + ISmaccClientBehavior() + ~ISmaccClientBehavior() + getStateMachine() + getName() + requiresClient() + requiresComponent() + getNode() # runtimeConfigure() # onEntry() # onExit() # postEvent() # postEvent() # getCurrentState() # executeOnEntry() # executeOnExit() # dispose() - onOrthogonalAllocation() Д smacc::SmaccAsyncClientBehavior onEntryThread_ onExitThread_ postFinishEventFn_ postSuccessEventFn_ smacc::ISmaccUpdatable postFailureEventFn_ onFinished_ periodDuration_ onSuccess_ lastUpdate - onFailure + ISmaccUpdatable() + onOrthogonalAllocation() + ISmaccUpdatable() + ~SmaccAsyncClientBehavior() + executeUpdate() + onSuccess() + setUpdatePeriod() + onFinished() # update() + onFailure() # executeOnEntry() # executeOnExit() # postSuccessEvent() # postFailureEvent() # dispose() 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 ::CbMoveCartesianRelative2 + linearSpeed_m_s_ - globalFrame + CbMoveCartesianRelative2()

+ CbMoveCartesianRelative2()

+ generateTrajectory()