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_ + ISmaccUpdatable() + onOrthogonalAllocation() + 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 - m_mutex_ - postJointDiscontinuityEvent postIncorrectInitialState Event - postMotionExecutionFailure **Events** - autocleanmarkers + CbMoveEndEffectorTrajectory() + CbMoveEndEffectorTrajectory() + onOrthogonalAllocation() + onEntry() + onExit() + update() # computeJointSpaceTrajectory() # executeJointSpaceTrajectory() #generateTrajectory() # createMarkers() # getCurrentEndEffectorPose() initializeROS() Д cl move group interface ::CbMoveCartesianRelative2

+ linearSpeed_m_s_ - globalFrame

+ generateTrajectory()

+ CbMoveCartesianRelative2() + CbMoveCartesianRelative2() + ~CbMoveCartesianRelative2()