## 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 - on Entry Thread 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 ::CbMoveCartesianRelative2 + linearSpeed\_m\_s\_ - globalFrame\_

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

+ generateTrajectory()