## smacc2::ISmaccClientBehavior stateMachine - currentState currentOrthogonal + ISmaccClientBehavior() + ~ISmaccClientBehavior() + getStateMachine() + getName() + requiresClient() + requiresComponent() + onEntry() + onExit() + executeOnEntry() + executeOnExit() # runtimeConfigure() # postEvent() # postEvent() # getCurrentState() # dispose() #getNode() # getLogger() - onOrthogonalAllocation() Δ smacc2::SmaccAsyncClient **Behavior** - onEntryThread\_ onExitThread postFinishEventFn - postSuccessEventFn postFailureEventFn\_ onFinished\_ -onSuccess\_ - onFailure smacc2::ISmaccUpdatable isShutdownRequested\_ periodDuration\_ + onOrthogonalAllocation() lastUpdate\_ + ~SmaccAsyncClientBehavior() + ISmaccUpdatable() + onSuccess() + ISmaccUpdatable() + onFinished() + onFailure() + executeUpdate() + requestForceFinish() + setUpdatePeriod() + executeOnEntry() # update() + executeOnExit() + waitOnEntryThread() + onSuccess() + onFinished() + onFailure() # postSuccessEvent() # postFailureEvent() #dispose() # isShutdownRequested() waitFutureIfNotFinished() 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() Δ cl\_move\_group\_interface ::CbMoveCartesianRelative2 + offset

+ linearSpeed\_m\_s\_ - globalFrame\_

+ generateTrajectory()

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