## 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 smacc2::ISmaccUpdatable onFinished\_ -onSuccess\_ - periodDuration\_ - onFailure lastUpdate isShutdownRequested\_ + ISmaccUpdatable() + onOrthogonalAllocation() + ISmaccUpdatable() + ~SmaccAsyncClientBehavior() + executeUpdate() + onSuccess() + setUpdatePeriod() + onFinished() # update() + onFailure() # postSuccessEvent() # postFailureEvent() # dispose() # isShutdownRequested() -waitFutureIfNotFinished() executeOnEntry() executeOnExit() cl\_move\_group\_interface ::CbMoveEndEffectorTrajectory + group + tipLink + allowInitialTrajectoryState JointDiscontinuity\_ # endEffectorTrajectory\_ # movegroupClient\_ # beahiorMarkers\_ - markersPub - markers Initialized\_ - 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 ::CbUndoLastTrajectory - backIndex trajectory reversed

+ CbUndoLastTrajectory() + CbUndoLastTrajectory() + ~CbUndoLastTrajectory()

+ onEntry()