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 ::CbUndoLastTrajectory - backIndex trajectory - reversed + CbUndoLastTrajectory()

+ CbUndoLastTrajectory() + ~CbUndoLastTrajectory()

+ onEntry()