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_ 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 ::CbCircularPouringMotion + angularSpeed_rad_s_ + linearSpeed m s + directionVector + pointerRelativePose #relativePivotPoint_ # deltaHeight # pointerTrajectory_ - globalFrame_ + CbCircularPouringMotion()

+ generateTrajectory()+ createMarkers()

- computeCurrentEndEffector PoseRelativeToPivot()