smacc2::ISmaccClientBehavior stateMachine currentState currentOrthogonal + ISmaccClientBehavior() + ~ISmaccClientBehavior() + getStateMachine() + getName() + requiresClient() + requiresComponent() + onEntry() + onExit() + executeOnEntry() + executeOnExit() # runtimeConfigure() # postEvent() # postEvent() # getCurrentState() # dispose() # getNode() # getLogger() onOrthogonalAllocation() smacc2::SmaccAsyncClient Behavior onEntryThread onExitThread_ postFinishEventFn_ - postSuccessEventFn postFailureEventFn onFinished - onSuccess_ - onFailure_ - isShutdownRequested_ smacc2::ISmaccUpdatable + onOrthogonalAllocation() - periodDuration_ + ~SmaccAsyncClientBehavior() lastUpdate_ + onSuccess() + ISmaccUpdatable() + onFinished() + ISmaccUpdatable() + onFailure() + executeUpdate() + requestForceFinish() + setUpdatePeriod() + executeOnEntry() # update() + executeOnExit() + waitOnEntryThread() + onSuccess() + onFinished() + onFailure() # postSuccessEvent() # postFailureEvent() # dispose() # isShutdownRequested() - waitFutureIfNotFinished() cl_moveit2z::CbMoveEndEffector rajectory + group_ + tipLink + allowInitialTrajectoryState JointDiscontinuity_ # endEffectorTrajectory_ # movegroupClient_

- # beahiorMarkers_
- markersPub_ markersInitialized_
- iksrv
- m_mutex_ postJointDiscontinuityEvent

Events

Event - postMotionExecutionFailure

postIncorrectInitialState

- autocleanmarkers + CbMoveEndEffectorTrajectory()
- + CbMoveEndEffectorTrajectory()
- + onOrthogonalAllocation() + onEntry()
- + onExit()
- # computeJointSpaceTrajectory() # executeJointSpaceTrajectory()

+ update()

generateTrajectory()

createMarkers()

- # getCurrentEndEffectorPose() initializeROS()

+ linearSpeed_m_s_ + directionVector_

cl_moveit2z::CbCircularPouring Motion

+ angularSpeed_rad_s_

- + pointerRelativePose_ # relativePivotPoint
- # deltaHeight_
- # pointerTrajectory_
- globalFrame
- + CbCircularPouringMotion() + generateTrajectory()
- + createMarkers() computeCurrentEndEffector PoseRelativeToPivot()