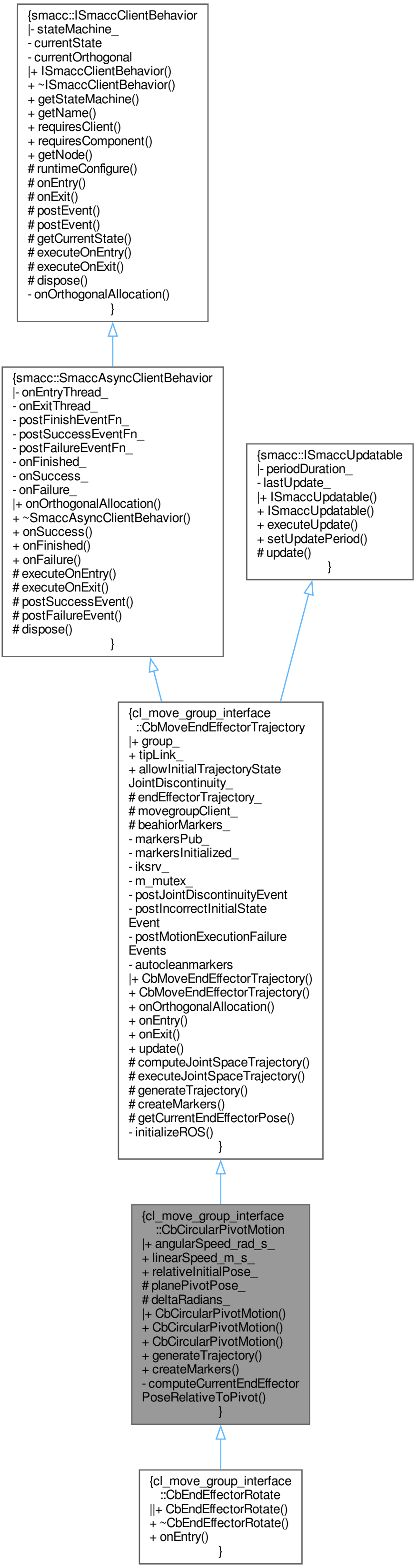
{smacc::ISmaccClientBehavior
|- stateMachine_
- currentState
- currentOrthogonal
|+ ISmaccClientBehavior()
+ ~ISmaccClientBehavior()
+ getStateMachine()
+ getName()
+ requiresClient()
+ requiresComponent()
+ getNode()
# runtimeConfigure()
# onEntry()
# onExit()
# postEvent()
# postEvent()
# getCurrentState()
# executeOnEntry()
# executeOnExit()
# dispose()
- onOrthogonalAllocation()
}
{smacc::SmaccAsyncClientBehavior
|- onEntryThread_
- onExitThread_
- postFinishEventFn_
- postSuccessEventFn_
- postFailureEventFn_
- onFinished_
- onSuccess_
- onFailure_
|+ onOrthogonalAllocation()
+ ~SmaccAsyncClientBehavior()
+ onSuccess()
+ onFinished()
+ onFailure()
# executeOnEntry()
# executeOnExit()
# postSuccessEvent()
# postFailureEvent()
# dispose()
}
{smacc::ISmaccUpdatable
|- periodDuration_
- lastUpdate_
|+ ISmaccUpdatable()
+ ISmaccUpdatable()
+ executeUpdate()
+ setUpdatePeriod()
# update()
}
{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
::CbCircularPivotMotion
|+ angularSpeed_rad_s_
+ linearSpeed_m_s_
+ relativeInitialPose_
# planePivotPose_
# deltaRadians_
|+ CbCircularPivotMotion()
+ CbCircularPivotMotion()
+ CbCircularPivotMotion()
+ generateTrajectory()
+ createMarkers()
- computeCurrentEndEffector
PoseRelativeToPivot()
}
{cl_move_group_interface
::CbEndEffectorRotate
||+ CbEndEffectorRotate()
+ ~CbEndEffectorRotate()
+ onEntry()
}