## # components stateMachine\_ orthogonal\_ + ISmaccClient() + ~ISmaccClient() + onInitialize() + getName() + getComponent() + getComponent() + getComponent() + getType() + getStateMachine() + connectSignal() + requiresClient() + getComponents() + postEvent() + postEvent() # onOrthogonalAllocation() # createComponent() # createNamedComponent() # getNode() # getLogger() - initialize() setStateMachine() setOrthogonal() smacc2::client\_bases smacc2::client\_bases ::SmaccSubscriberClient ::SmaccSubscriberClient < MessageType > < MessageType > + topicName + topicName + queueSize + queueSize + onFirstMessageReceived\_ + onFirstMessageReceived\_ + onMessageReceived\_ + onMessageReceived\_ + postMessageEvent + postMessageEvent + postInitialMessageEvent + postInitialMessageEvent -sub -sub - firstMessage\_ - firstMessage\_ - initialized\_ initialized + SmaccSubscriberClient() + SmaccSubscriberClient() + SmaccSubscriberClient() + SmaccSubscriberClient() + ~SmaccSubscriberClient() + ~SmaccSubscriberClient() + onMessageReceived() + onMessageReceived() + onFirstMessageReceived() + onFirstMessageReceived() + onOrthogonalAllocation() + onOrthogonalAllocation() # onInitialize() # onInitialize() -messageCallback() - messageCallback() < sensor\_msgs::msg ::LaserScan > smacc2::client\_bases ::SmaccSubscriberClient < sensor\_msgs::msg::LaserScan > cl\_multirole\_sensor + topicName ::CIMultiroleSensor + queueSize < MessageType > + onFirstMessageReceived\_ + onMessageTimeout + onMessageReceived\_ + postMessageEvent + postTimeoutMessageEvent + postInitialMessageEvent + timeout - timeoutTimer\_ -sub - firstMessage\_ initialized initialized + ClMultiroleSensor() + SmaccSubscriberClient() + onMessageTimeout() + SmaccSubscriberClient() + onOrthogonalAllocation() + onInitialize() + ~SmaccSubscriberClient() + onMessageReceived() # resetTimer() + onFirstMessageReceived() timeoutCallback() + onOrthogonalAllocation() # onInitialize() - messageCallback() < sensor\_msgs::msg ::LaserScan > cl\_multirole\_sensor ::CIMultiroleSensor < sensor\_msgs::msg::LaserScan > + onMessageTimeout\_ + postTimeoutMessageEvent + timeout timeoutTimer initialized + CIMultiroleSensor() + onMessageTimeout() + onOrthogonalAllocation() + onInitialize() # resetTimer() timeoutCallback() sm\_dance\_bot\_warehouse ::cl lidar::ClLidarSensor

+ ClLidarSensor()

smacc2::ISmaccClient