cmake\_minimum\_required(VERSION 2.8.3)

project(schunk\_ezn64)

find\_package(PkgConfig REQUIRED)

pkg\_check\_modules(PC\_LIBUSB REQUIRED libusb-1.0)

find\_package(catkin REQUIRED COMPONENTS

roscpp

std\_msgs

message\_generation

message\_runtime

tf

)

include\_directories(${catkin\_INCLUDE\_DIRS}

${PROJECT\_SOURCE\_DIR}/include/)

SET(SOURCES ${PROJECT\_SOURCE\_DIR}/src/ezn64\_usb\_control.cpp

${PROJECT\_SOURCE\_DIR}/src/ezn64\_usb\_control\_lib.cpp)

SET(HEADERS ${PROJECT\_SOURCE\_DIR}/include/ezn64\_usb\_control.h)

add\_service\_files(

FILES

reference.srv

set\_position.srv

get\_error.srv

get\_position.srv

get\_velocity.srv

set\_velocity.srv

acknowledge\_error.srv

stop.srv

fastStop.srv

)

add\_message\_files(

FILES

PosAndSpeedFloat32.msg

)

generate\_messages(

DEPENDENCIES

std\_msgs

)

catkin\_package(

INCLUDE\_DIRS include

LIBRARIES

CATKIN\_DEPENDS roscpp tf std\_msgs

)

add\_executable(${PROJECT\_NAME} ${SOURCES} ${HEADERS})

add\_dependencies(${PROJECT\_NAME} ${catkin\_EXPORTED\_TARGETS} schunk\_ezn64\_gencpp)

target\_link\_libraries(${PROJECT\_NAME} ${ROS\_LIBRARIES} ${catkin\_LIBRARIES} ${PC\_LIBUSB\_LIBRARIES})

add\_executable(custom\_set src/custom\_set.cpp)

add\_dependencies(custom\_set schunk\_ezn64\_gencpp)

target\_link\_libraries(custom\_set ${ROS\_LIBRARIES} ${catkin\_LIBRARIES} ${PC\_LIBUSB\_LIBRARIES})