**亚历山大slam控制器配置**

# Step1.安装cartographer运行所需库

sudo apt-get update

sudo apt-get install -y **\**

clang **\**

cmake **\**

g++ **\**

git **\**

google-mock **\**

libboost-all-dev **\**

libcairo2-dev **\**

libcurl4-openssl-dev **\**

libeigen3-dev **\**

libgflags-dev **\**

libgoogle-glog-dev **\**

liblua5.2-dev **\**

libsuitesparse-dev **\**

lsb-release **\**

ninja-build **\**

stow

# step2. 安装log4cpp库

tar -zxvf log4cpp-1.1rc3.tar.gz

cd log4cpp

./configure --build=arm-linux

Make

Sudo make install

# Step3.添加开机自启动

**设置rc-local.service**

sudo vim /etc/systemd/system/rc-local.service

[Unit]

 Description=/etc/rc.local Compatibility

 ConditionPathExists=/etc/rc.local

[Service]

 Type=forking

 ExecStart=/etc/rc.local start

 TimeoutSec=0

 StandardOutput=tty

 RemainAfterExit=yes

 SysVStartPriority=99

[Install]

 WantedBy=multi-user.target

**激活rc-local.service**

sudo systemctl enable rc-local.service

**添加启动服务**

手工创建或者拷贝已有的/etc/rc.local

#!/bin/sh -e

echo "root" | sudo -S modprobe can

sudo modprobe can

sudo modprobe can\_raw

sudo modprobe mttcan

echo "my rc.local test" > /home/rich/test.log

ip link set can0 type can bitrate 500000 dbitrate 2000000 berr-reporting on fd on

ip link set up can0

ip link set can1 type can bitrate 500000 dbitrate 2000000 berr-reporting on fd on

ip link set up can1

cd /usr/local/ale\_bot/

./agv\_main ./config.txt 5577>/home/log/ALE\_SMART.log 2>&1 &

exit 0

**#给予脚本执行权限**

**sudo chmod +x /etc/rc.local**

# step4.导入slam程序及配置

导入配置文件夹及log文件夹

Chmod 777 /home

通过winscp将carto\_config配置文件拷贝到/home文件夹下

通过winscp将log文件拷贝到/home文件夹下

Chmod 777 /usr/local

Mkdir -p /usr/local/ale\_bot

通过winscp将slam可执行程序及配置文件拷贝到/usr/local/ale\_bot文件夹下

Cd /usr/local/ale\_bot

Sudo chmod +x agv\_main