环境搭建

离线语音环境搭建

1.下载编译工具

推荐使用Ubuntu 16.04 / centos7以上版本作为开发环境。

交叉编译工具下载地址: 链接: https://pan.baidu.com/s/1EHa10g7xkoySt5MA8 abew

提取码: cdbx

下载交叉编译工具并解压到开发环境"/opt"路径中,仔细核对路径:

```
ly@ubuntu: /opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s/bin
文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
ly@ubuntu:~$ cd /opt/Andestech
ly@ubuntu:/opt/Andestech$ ls
BSPv422
ly@ubuntu:/opt/Andestech$ cd BSPv422/toolchains/nds32le-elf-mculib-v3s/
ly@ubuntu:/opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s$ ls
bin config include lib libexec nds32le-elf share
ly@ubuntu:/opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s$ ls
bin config include lib libexec nds32le-elf share
ly@ubuntu:/opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s$ pwd
opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s/
ly@ubuntu:/opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s$ cd bin/
ly@ubuntu:/opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s/bin$ ls
nds32le-elf-addr2line nds32le-elf-gcc-4.9.4 nds32le-elf-nm
                        nds32le-elf-gcc-ar
nds32le-elf-ar
                                                 nds32le-elf-objcopy
                        nds32le-elf-gcc-nm
                                                 nds32le-elf-objdump
nds32le-elf-as
nds32le-elf-as nds32le-elf-gcc-mm nds32le-elf-ranlib
nds32le-elf-c++ nds32le-elf-gcov nds32le-elf-readelf
nds32le-elf-cpp nds32le-elf-gdb nds32le-elf-size
                                                 nds32le-elf-readelf
                      nds32le-elf-gprof
                                                nds32le-elf-strings
nds32le-elf-elfedit
nds32le-elf-g++
                      nds32le-elf-ld
                                                 nds32le-elf-strip
nds32le-elf-gcc
                        nds32le-elf-ld.bfd
lv@ubuntu:/opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s/bin$ pwd
opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s/bin/
ly@ubuntu:/opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s/bin$
```

2.添加环境变量

修改/etc/profile

```
sudo vi /etc/profile
```

在该文件最后加上:

export PATH=\$PATH:/opt/Andestech/BSPv422/toolchains/nds32le-elf-mculib-v3s/bin

刷新文件

source /etc/profile

3.安装工具

安装python环境:

```
sudo apt-get install python
```

安装lame音频处理工具:

```
sudo apt-get install lame
```

安装32位兼容库(如果系统未安装过):

```
sudo apt-get install lib32stdc++6 lib32z1 lib32ncurses5 lib32bz2-1.0
```

4.运行代码

在该目录下运行

./build.sh

