

交叉编译inetutils工具支持telnet登陆

原创 芯想事成 于 2019-12-02 13:15:23 发布 849 收藏 4
分类专栏: 嵌入式开发

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嵌入式开发 专栏收录该内容

- 1.源码下载地址: <http://ftp.gnu.org/gnu/inetutils/>
- 2.解压后进入目录, 我下载的是inetutils-1.9.tar.gz版本

```
1 tar xzvf inetutils-1.9.tar.gz
2 cd inetutils-1.9
3
4 //这里prefix不要随意修改, 据说文件会自动去搜索/etc下面的文件, 修改后就会乱
5 sudo ./configure --host=arm-oe-linux CC="/home/xxx/AG35/q1-ol-sdk/q1-ol-crosstool/sysroots/x86_64-oesdk-linux/usr/bin/arm-oe-l
6
7 sudo make
8
```

执行make指令时会出现如下错误:

```
cc -o argp-eexst.o
In file included from /home/edan/AG35/q1-ol-sdk/q1-ol-crosstool/sysroots/armv7ah
f-neon-oe-linux-gnueabi/usr/include/sys/types.h:197:0,
      from ./sys/types.h:28,
      from ./stdio.h:58,
      from argp.h:22,
      from argp-eexst.c:25:
./stdio.h:1030:1: error: 'gets' undeclared here (not in a function)
_GL_WARN_ON_USE (gets, "gets is a security hole - use fgets instead");
^
Makefile:1728: recipe for target 'argp-eexst.o' failed
make[4]: *** [argp-eexst.o] Error 1
make[4]: Leaving directory '/home/edan/attack_demo/telnet/inetutils-1.9/lib'
Makefile:1752: recipe for target 'all-recursive' failed
make[3]: *** [all-recursive] Error 1
make[3]: Leaving directory '/home/edan/attack_demo/telnet/inetutils-1.9/lib'
Makefile:1436: recipe for target 'all' failed
make[2]: *** [all] Error 2
make[2]: Leaving directory '/home/edan/attack_demo/telnet/inetutils-1.9/lib'
Makefile:1282: recipe for target 'all-recursive' failed
make[1]: *** [all-recursive] Error 1
make[1]: Leaving directory '/home/edan/attack_demo/telnet/inetutils-1.9'
```

解决办法: 参考链接 <https://www.cnblogs.com/djiankuo/p/6230717.html>

- 2.1打开stdio.in.h 命令如下:

vim ./lib/stdio.in.h

- 2.2进行如下操作

```
717 // always declared, since it is required by C89.
718 // _GL_WARN_ON_USE (gets, "gets is a security hole - use fgets instead");
719 #if defined(__GLIBC__) && !defined(__UCLIBC__) && !__GLIBC_PREREQ(2, 16)
720 _GL_WARN_ON_USE (gets, "gets is a security hole - use fgets instead");
721 #endif
```

找到718行的内容并注释掉, 添加719,720,721三行并保存退出

重新清除编译内容并重新编译

sudo make clean

sudo make

- 3.上步完成后在 ./telnetd 目录下生成了telnetd ,在./src 目录下生成了inetd文件
将这两个可执行文件拷贝到开发板的/usr/bin目录下, 并添加权限

```
1 cd /usr/bin
2 chmod 777 inetd
3 chmod 777 telnetd
```

- 4.在目标板上进行配置

```
1 vi /etc/inetd.conf /*此文件为inetd 的配置文件, 加入要开启的服务*/
2 /*如果没有此文件, 则新建, 并添加以下内容*/
3 telnet stream tcp nowait root /usr/bin/telnetd telnetd
```

5.查看/etc/services 文件

确保里面会有这样的内容,没有的话加上此行

```
telnet      23/tcp
```

6.修改/etc/securetty, 增加如下行

```
1 | pts/0
2 | pts/1
3 | pts/2
4 | pts/3
5 | pts/4
6 | pts/5
7 | pts/6
8 | pts/7
9 |
```

7.修改init.d/rcs文件,

```
1 | mkdir /dev/pts
2 | mount devpts -t devpts /dev/pts //加载devpts文件系统
3 |
4 | inetd //开机启动
```

8.重启开发板

```
1 | reboot
```

ps:如果连接不上, telnetd执行时可能缺少动态库, 从环境匹配的开发板上拷贝一份即可, 如:

```
1 | libtinfo.so.5
2 | libreadline.so.7
3 | 从AG35拷贝这两个库到开发板的/usr/lib目录下
```

[参考连接1](#)

[参考连接2](#)