<http://ariva.tv/webradio/yp.xml>

Linux系统应用程序开发

能在X86 Linux上完成一些基础库的动态库和静态库的编译，并能否在此基础上完成指定网络功能接口的开发

curl xml库编译

<http://mirror.city-fan.org/ftp/contrib/sysutils/Mirroring/curl-7.31.0-5.0.cf.fc3.src.rpm>

[

rpm2cpio curl-7.31.0-5.0.cf.fc3.src.rpm | cpio –div

解压得到一个curl-7.31.0.tar.bz2文件。

tar xvif curl-7.31.0.tar.bz2

解压tar.bz2文件得到源码。

][1]

./configure --without-ssl --disable-shared

问题：

一、

Q:

在包含自 curl\_multibyte.c：23 的文件中:

curl\_setup.h:125:28: 错误：curl/curlbuild.h：没有那个文件或目录

curl\_setup.h:131:28: 错误：curl/curlrules.h：没有那个文件或目录

A:

在Makefile中添加如下定义：

CFLAGS += -I../include

二、

Q: url.c:51:2: 错误：#error "We can't compile without socket() support!"

transfer.c:57:2: 错误：#error "We can't compile without socket() support!"

select.c:30:2: 错误：#error "We can't compile without select() or poll() support."

nonblock.c:89:4: 错误：#error "no non-blocking method was found/used/set"

warnless.c:53:4: 错误：#error "SIZEOF\_SHORT not defined"

warnless.c:69:4: 错误：#error "SIZEOF\_INT not defined"

make: \*\*\* [LIB\_CURL.mk] 错误 1

A: ./configure --without-ssl --disable-shared

生成curl\_config.h文件。

CFLAGS += -I../include -DHAVE\_CONFIG\_H

二、

Q:

../../lib/libcurl.a(strerror.o): In function `Curl\_idn\_strerror':

strerror.c:(.text+0x591): undefined reference to `idna\_strerror'

../../lib/libcurl.a(timeval.o): In function `curlx\_tvnow':

timeval.c:(.text+0x15): undefined reference to `clock\_gettime'

../../lib/libcurl.a(url.o): In function `Curl\_disconnect':

url.c:(.text+0x4175): undefined reference to `idn\_free'

url.c:(.text+0x4193): undefined reference to `idn\_free'

../../lib/libcurl.a(url.o): In function `tld\_check\_name':

url.c:(.text+0x5471): undefined reference to `idna\_to\_unicode\_lzlz'

url.c:(.text+0x54a0): undefined reference to `tld\_check\_lz'

url.c:(.text+0x54b4): undefined reference to `tld\_strerror'

url.c:(.text+0x5542): undefined reference to `idn\_free'

../../lib/libcurl.a(url.o): In function `fix\_hostname':

url.c:(.text+0x5594): undefined reference to `stringprep\_check\_version'

url.c:(.text+0x55c0): undefined reference to `idna\_to\_ascii\_lz'

url.c:(.text+0x55c8): undefined reference to `stringprep\_locale\_charset'

../../lib/libcurl.a(ldap.o): In function `Curl\_ldap':

ldap.c:(.text+0xd3): undefined reference to `ldap\_url\_parse'

ldap.c:(.text+0xe7): undefined reference to `ldap\_err2string'

ldap.c:(.text+0x178): undefined reference to `ldap\_set\_option'

ldap.c:(.text+0x193): undefined reference to `ldap\_set\_option'

ldap.c:(.text+0x25e): undefined reference to `ldap\_set\_option'

ldap.c:(.text+0x272): undefined reference to `ldap\_err2string'

ldap.c:(.text+0x2c0): undefined reference to `ldap\_set\_option'

ldap.c:(.text+0x2d4): undefined reference to `ldap\_err2string'

ldap.c:(.text+0x315): undefined reference to `ldap\_init'

ldap.c:(.text+0x378): undefined reference to `ldap\_set\_option'

ldap.c:(.text+0x390): undefined reference to `ldap\_err2string'

ldap.c:(.text+0x3d1): undefined reference to `ldap\_init'

ldap.c:(.text+0x472): undefined reference to `ldap\_simple\_bind\_s'

ldap.c:(.text+0x4aa): undefined reference to `ldap\_set\_option'

ldap.c:(.text+0x509): undefined reference to `ldap\_simple\_bind\_s'

ldap.c:(.text+0x51d): undefined reference to `ldap\_err2string'

ldap.c:(.text+0x582): undefined reference to `ldap\_search\_s'

ldap.c:(.text+0x59c): undefined reference to `ldap\_err2string'

ldap.c:(.text+0x5d8): undefined reference to `ldap\_first\_entry'

ldap.c:(.text+0x5f9): undefined reference to `ldap\_get\_dn'

ldap.c:(.text+0x6ae): undefined reference to `ldap\_first\_attribute'

ldap.c:(.text+0x6cf): undefined reference to `ldap\_get\_values\_len'

ldap.c:(.text+0x86f): undefined reference to `ldap\_value\_free\_len'

ldap.c:(.text+0x87a): undefined reference to `ldap\_memfree'

ldap.c:(.text+0x885): undefined reference to `ldap\_memfree'

ldap.c:(.text+0x89f): undefined reference to `ber\_free'

ldap.c:(.text+0x98f): undefined reference to `ldap\_value\_free\_len'

ldap.c:(.text+0x9de): undefined reference to `ldap\_memfree'

ldap.c:(.text+0x9f7): undefined reference to `ldap\_next\_attribute'

ldap.c:(.text+0xa0f): undefined reference to `ldap\_memfree'

ldap.c:(.text+0xa29): undefined reference to `ber\_free'

ldap.c:(.text+0xa3b): undefined reference to `ldap\_next\_entry'

ldap.c:(.text+0xa5e): undefined reference to `ldap\_msgfree'

ldap.c:(.text+0xa90): undefined reference to `ldap\_free\_urldesc'

ldap.c:(.text+0xaa1): undefined reference to `ldap\_unbind\_s'

../../lib/libcurl.a(content\_encoding.o): In function `exit\_zlib':

content\_encoding.c:(.text+0x91): undefined reference to `inflateEnd'

../../lib/libcurl.a(content\_encoding.o): In function `inflate\_stream':

content\_encoding.c:(.text+0x133): undefined reference to `inflate'

content\_encoding.c:(.text+0x1f3): undefined reference to `inflateEnd'

content\_encoding.c:(.text+0x29a): undefined reference to `inflateEnd'

content\_encoding.c:(.text+0x2bd): undefined reference to `inflateInit2\_'

../../lib/libcurl.a(content\_encoding.o): In function `Curl\_unencode\_deflate\_write':

content\_encoding.c:(.text+0x3c7): undefined reference to `inflateInit\_'

../../lib/libcurl.a(content\_encoding.o): In function `Curl\_unencode\_gzip\_write':

content\_encoding.c:(.text+0x626): undefined reference to `zlibVersion'

content\_encoding.c:(.text+0x679): undefined reference to `inflateInit2\_'

content\_encoding.c:(.text+0x6c9): undefined reference to `inflateInit2\_'

collect2: ld 返回 1

make: \*\*\* [download] 错误 1

A: 红色是有改动的部分：

vim curl\_config.h

/\* Define to 1 if you have the `idn' library (-lidn). \*/

/\*#define HAVE\_LIBIDN 1\*/

/\* Define to 1 if you have the clock\_gettime function and monotonic timer. \*/

/\*#define HAVE\_CLOCK\_GETTIME\_MONOTONIC 1\*/

/\* to disable LDAP \*/

/\*#undef CURL\_DISABLE\_LDAP\*/

#define CURL\_DISABLE\_LDAP

/\* if zlib is available \*/

/\*#define HAVE\_LIBZ 1\*/

rpm -q -a | grep ".\*curl\*"

rpm -e curl-7.15.5-2.el5 curl-devel-7.15.5-2.el5

[1] [[转贴]Linux下常用文件解压(包括rpm、deb包的解压方法！)](javascript:void(0);)

<http://www.linuxsir.org/bbs/thread162970.html>

[2] 移植libcurl到MIPS平台

<http://simon-fu.vicp.cc/?p=575>