

同济大学计算机网络

实验报告



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题目： 守护进程的编写以及 systemctl 的使用、rpm 安装包的生成

二.写一个满足以下要求的 test 程序:

2.1.运行后成为进程, 但是不要完全脱离控制台, 即在启动控制台上用 ps 仍能查到:

答:

Make 进行编译生成可执行文件运行后使用 ps 命令查询结果如下:

```
[root@RHEL74-SVR 1652262-000107]# make
cc read.c -fPIC -shared -o lib1652262.so
cc -g -Wall -o test test.c -L. -l1652262 -wl,-rpath .
[root@RHEL74-SVR 1652262-000107]# ./test
[root@RHEL74-SVR 1652262-000107]# ps
  PID TTY          TIME CMD
 2224 pts/0        00:00:00 bash
 2302 pts/0        00:00:00 ./test [main]
 2303 pts/0        00:00:00 ./test [sub-01]
 2304 pts/0        00:00:00 ./test [sub-02]
 2305 pts/0        00:00:00 ./test [sub-03]
 2306 pts/0        00:00:00 ps
[root@RHEL74-SVR 1652262-000107]#
```

2.2.修改进程名, 使用 ps 命令查看时, 在父进程的后面加[main],随后每隔一秒, 分裂出一个子进程, 共 n 个, 每个子进程在后面加[sub-xx]:

答:

一生成十个子进程, 查询结果如下:

```
[root@RHEL74-SVR 1652262-000107]# ps
  PID TTY          TIME CMD
 2224 pts/0        00:00:00 bash
 2302 pts/0        00:00:00 ./test [main]
 2303 pts/0        00:00:00 ./test [sub-01]
 2304 pts/0        00:00:00 ./test [sub-02]
 2305 pts/0        00:00:00 ./test [sub-03]
 2307 pts/0        00:00:00 ./test [sub-04]
 2308 pts/0        00:00:00 ./test [sub-05]
 2309 pts/0        00:00:00 ./test [sub-06]
 2310 pts/0        00:00:00 ./test [sub-07]
 2311 pts/0        00:00:00 ./test [sub-08]
 2312 pts/0        00:00:00 ./test [sub-09]
 2313 pts/0        00:00:00 ./test [sub-10]
 2314 pts/0        00:00:00 ps
[root@RHEL74-SVR 1652262-000107]#
```

2.3.修改进程名, 使用 ps -ef 命令查看时, 父进程与子进程名称后面加上自己的已运行时间:

修改进程名, 使用 ps -ef 查询结果如下, 随后跟的是子进程/父进程已运行时间:

```
root      2224      1  0 19:51 pts/0    00:00:01 [kworker/0:3]
root      2302      1  0 19:54 pts/0    00:00:00 ./test [main 00:02:21]
root      2303      2302  0 19:54 pts/0    00:00:00 ./test [sub-01 00:02:20]
root      2304      2302  0 19:54 pts/0    00:00:00 ./test [sub-02 00:02:19]
root      2305      2302  0 19:54 pts/0    00:00:00 ./test [sub-03 00:02:18]
root      2307      2302  0 19:54 pts/0    00:00:00 ./test [sub-04 00:02:17]
root      2308      2302  0 19:55 pts/0    00:00:00 ./test [sub-05 00:02:16]
root      2309      2302  0 19:55 pts/0    00:00:00 ./test [sub-06 00:02:15]
root      2310      2302  0 19:55 pts/0    00:00:00 ./test [sub-07 00:02:14]
root      2311      2302  0 19:55 pts/0    00:00:00 ./test [sub-08 00:02:13]
root      2312      2302  0 19:55 pts/0    00:00:00 ./test [sub-09 00:02:12]
root      2313      2302  0 19:55 pts/0    00:00:00 ./test [sub-10 00:02:11]
root      2315      2  0 19:56 ?        00:00:00 [kworker/0:1]
```

2.4.用 kill 杀掉若干子进程之后, 父进程会再次分裂, 补齐 n 个, 且子进程的编号占用之前被 kill 子进程的编号:

答: 杀死部分子进程之后, 10s 后最新生成的子进程占用了之前杀死的子进程的编号:

```

[root@RHEL74-SVR 1652262-000107]# kill 2303
[root@RHEL74-SVR 1652262-000107]# kill 2304
[root@RHEL74-SVR 1652262-000107]# kill 2305
[root@RHEL74-SVR 1652262-000107]# kill 2307
[root@RHEL74-SVR 1652262-000107]# kill 2308
[root@RHEL74-SVR 1652262-000107]# kill 2309
[root@RHEL74-SVR 1652262-000107]# kill 2310
[root@RHEL74-SVR 1652262-000107]# ps
  PID TTY          TIME CMD
 2224 pts/0        00:00:00 bash
 2302 pts/0        00:00:00 ./test [main]
 2311 pts/0        00:00:00 ./test [sub-08]
 2312 pts/0        00:00:00 ./test [sub-09]
 2313 pts/0        00:00:00 ./test [sub-10]
 2323 pts/0        00:00:00 ./test [sub-01]
 2324 pts/0        00:00:00 ./test [sub-02]
 2325 pts/0        00:00:00 ./test [sub-03]
 2326 pts/0        00:00:00 ./test [sub-04]
 2327 pts/0        00:00:00 ./test [sub-05]
 2328 pts/0        00:00:00 ./test [sub-06]
 2342 pts/0        00:00:00 ./test [sub-07]
 2343 pts/0        00:00:00 ps
[root@RHEL74-SVR 1652262-000107]# ps
  PID TTY          TIME CMD
 2224 pts/0        00:00:00 bash
 2302 pts/0        00:00:00 ./test [main]
 2311 pts/0        00:00:00 ./test [sub-08]
 2312 pts/0        00:00:00 ./test [sub-09]
 2313 pts/0        00:00:00 ./test [sub-10]
 2323 pts/0        00:00:00 ./test [sub-01]
 2324 pts/0        00:00:00 ./test [sub-02]
 2325 pts/0        00:00:00 ./test [sub-03]
 2326 pts/0        00:00:00 ./test [sub-04]
 2327 pts/0        00:00:00 ./test [sub-05]
 2328 pts/0        00:00:00 ./test [sub-06]
 2342 pts/0        00:00:00 ./test [sub-07]
 2344 pts/0        00:00:00 ps
[root@RHEL74-SVR 1652262-000107]# ps

```

2.5.kill 父进程后，所有子进程自动结束：

答：杀死进程编号为 2302 的父进程之后进程入下，所有子进程均被杀死：

```

[root@RHEL74-SVR 1652262-000107]# ps
  PID TTY          TIME CMD
 2224 pts/0        00:00:00 bash
 2302 pts/0        00:00:00 ./test [main]
 2311 pts/0        00:00:00 ./test [sub-08]
 2312 pts/0        00:00:00 ./test [sub-09]
 2313 pts/0        00:00:00 ./test [sub-10]
 2323 pts/0        00:00:00 ./test [sub-01]
 2324 pts/0        00:00:00 ./test [sub-02]
 2325 pts/0        00:00:00 ./test [sub-03]
 2326 pts/0        00:00:00 ./test [sub-04]
 2327 pts/0        00:00:00 ./test [sub-05]
 2328 pts/0        00:00:00 ./test [sub-06]
 2342 pts/0        00:00:00 ./test [sub-07]
 2344 pts/0        00:00:00 ps
[root@RHEL74-SVR 1652262-000107]# kill 2302
[root@RHEL74-SVR 1652262-000107]# ps
  PID TTY          TIME CMD
 2224 pts/0        00:00:00 bash
 2347 pts/0        00:00:00 ps
[root@RHEL74-SVR 1652262-000107]#

```

2.6.n 值从/etc 目录下的 1652262.conf 文件中读取，文件仅一行，存放运行时需要分裂的数量，合理范围为 5-100 如果超过合理范围，缺省为 5：



答：由于此处设置的子进程数量为 10，所以上面的最大分裂子进程数目为 10

文本编辑器 - D:\Desktop\2458048592\FileRecv\计网\安装\FlashFXP 5.4

文件(F) 编辑(Z) 搜索(Y) 格式(O) 查看(V)

子进程数量=10

2.7.读配置文件的函数编译为动态编译库，命名为 lib1652262.so，放在/usr/lib64 中：

答：make 之后生成的动态编译库如下：

```
[root@RH74-SVR 1652262-000107]# ll
总用量 60
-rw-r--r--. 1 root root    14 12月 19 2017 1652262.conf
-rw-r--r--. 1 root root    14 10月 12 16:38 1652262.dat
-rwxr-xr-x. 1 root root  8168 10月 12 19:54 lib1652262.so
-rw-r--r--. 1 root root 1072 10月 12 16:38 makefile
-rw-r--r--. 1 root root   355 10月 12 16:39 read.c
-rwxr-xr-x. 1 root root 18272 10月 12 19:54 test
-rw-r--r--. 1 root root   292 10月 12 16:32 test-1652262.service
-rw-r--r--. 1 root root   5247 10月 12 16:39 test.c
-rw-r--r--. 1 root root  1070 10月 12 16:36 test.spec
[root@RH74-SVR 1652262-000107]#
```

2.8.在/usr 下新建 1652262 子目录，放入 1652262.dat 文件，内容为学号+姓名

2.9.makefile 满足 make，make install，make rpm，make uninstall，make clean 指令对应要求：

答：

(1)Make 执行结果：

```
[root@RH74-SVR 1652262-000107]# make
cc read.c -fPIC -shared -o lib1652262.so
cc -g -Wall -o test test.c -L. -l1652262 -wl,-rpath .
[root@RH74-SVR 1652262-000107]# ll
总用量 44
-rwxr-xr-x. 1 root root  8168 10月 12 20:31 lib1652262.so
-rw-r--r--. 1 root root  1072 10月 12 16:38 makefile
-rw-r--r--. 1 root root   355 10月 12 16:39 read.c
-rwxr-xr-x. 1 root root 18272 10月 12 20:31 test
-rw-r--r--. 1 root root   5247 10月 12 16:39 test.c
[root@RH74-SVR 1652262-000107]#
```

(2)Make install 执行结果：

```
[root@RH74-SVR 1652262-000107]# make install
cp test /usr/sbin/test-1652262
cp lib1652262.so /usr/lib64
mkdir -p /usr/1652262
cp 1652262.dat /usr/1652262
cp 1652262.conf /etc
[root@RH74-SVR 1652262-000107]#
```

/usr/sbin 中 test-1652262:

/usr/sbin/		
名称	大小	修改时间
sysctl	23 KB	2018-04-11 8:42:11
sys-unconfig	184	2018-04-11 13:09:11
tc	376 KB	2018-04-11 16:08:11
tcpd	36 KB	2014-06-10 12:41:11
tcpdmatch	40 KB	2014-06-10 12:41:11
tcpdump	920 KB	2018-04-11 12:00:11
tcpslice	23 KB	2018-04-11 12:00:11
tcsd	300 KB	2017-08-04 1:16:00
telinit	700 KB	2018-09-15 10:48:11
test-1652262	17 KB	2018-10-12 20:33:11

Lib1652262.so 移动结果:

/usr/lib64/		
名称	大小	修改时间
lib1652262.so	7 KB	2018-10-12 20:33:11
libkstat.so.0	55 KB	2018-04-11 16:08:11

1652262.dat 移动结果:

/usr/1652262/			
名称	大小	修改时间	属性
上级目录			
1652262.dat	14	2018-10-12 16:38:13	-rw-r--r

1652262.conf 移动结果:

/etc/	
名称	大小
1652262.conf	14

(3)make rpm 执行结果:


首先将 service , dat , conf , makefile 文件以及 read/test.c 文件压缩得到 test-1652262.tar.bz2 文件, 然后 make rpm 得到如下结果:

```

[root@RHEL74-SVR 1652262-000107]# make rpm
mkdir -pv ~/rpmbuild/{BUILD,BUILDROOT,RPMS,SOURCES,SPECS,SRPMS}
cp test-1652262.tar.bz2 /root/rpmbuild/SOURCES
cp test.spec /root/rpmbuild/SPECS
rpmbuild -ba /root/rpmbuild/SPECS/test.spec
执行(%prep): /bin/sh -e /var/tmp/rpm-tmp.PdwxKA
+ umask 022
+ cd /root/rpmbuild/BUILD
+ cd /root/rpmbuild/BUILD
+ rm -rf test-1652262
+ /usr/bin/tar -xf -
+ /usr/bin/bzip2 -dc /root/rpmbuild/SOURCES/test-1652262.tar.bz2
+ STATUS=0
+ '[' 0 -ne 0 ']'
+ cd test-1652262
+ /usr/bin/chmod -Rf a+rx,u+w,g-w,o-w .
+ exit 0
执行(%build): /bin/sh -e /var/tmp/rpm-tmp.1MYt2x
+ umask 022
+ cd /root/rpmbuild/BUILD
+ cd test-1652262
+ make
make[1]: Entering directory `/root/rpmbuild/BUILD/test-1652262'
cc read.c -fPIC -shared -o lib1652262.so
cc -g -Wall -o test test.c -L. -l1652262 -Wl,-rpath .
make[1]: Leaving directory `/root/rpmbuild/BUILD/test-1652262'
+ exit 0
执行(%install): /bin/sh -e /var/tmp/rpm-tmp.96bPHv
+ umask 022
+ cd /root/rpmbuild/BUILD
+ /usr/bin/chmod -Rf a+rx,u+w,g-w,o-w .
+ cd /root/rpmbuild/BUILD
+ /usr/bin/mv test-1652262 /root/rpmbuild/BUILDROOT/test-1652262-000107
+ exit 0
1X) <= 4.0-1 rpm11b(CompressedFileNames) <= 3.0.4-1
检查未打包文件: /usr/lib/rpm/check-files /root/rpmbuild/BUILDROOT/test-1652262-000107
62-Typ.x86_64
写道:/root/rpmbuild/SRPMS/test-1652262-Typ.src.rpm
写道:/root/rpmbuild/RPMS/x86_64/test-1652262-Typ.x86_64.rpm
写道:/root/rpmbuild/RPMS/x86_64/test-debuginfo-1652262-Typ.x86_64.rpm
执行(%clean): /bin/sh -e /var/tmp/rpm-tmp.1sdvSP
+ umask 022
+ cd /root/rpmbuild/BUILD
+ cd test-1652262
+ rm -rf /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64
+ exit 0
cp /root/rpmbuild/RPMS/x86_64/test-1652262-Typ.x86_64.rpm test-1652262.rpm
[root@RHEL74-SVR 1652262-000107]#

```

在 1652262-000107 文件夹下也生成了 test-1652262.rpm 文件:



名称	大小	修改时间	属性
上级目录			
test-1652262	117	2018-10-12 20:44:58	drwxr-xr-x
1652262.conf	14	2017-12-19 15:10:55	-rw-r--r--
1652262.dat	14	2018-10-12 16:38:13	-rw-r--r--
makefile	1 KB	2018-10-12 20:53:38	-rw-r--r--
read.c	355	2018-10-12 16:39:16	-rw-r--r--
test.c	5 KB	2018-10-12 16:39:59	-rw-r--r--
test.spec	1 KB	2018-10-12 16:36:20	-rw-r--r--
test-1652262.rpm	9 KB	2018-10-12 20:54:04	-rw-r--r--
test-1652262.service	292	2018-10-12 20:47:01	-rw-r--r--
test-1652262.tar.bz2	2 KB	2018-10-12 20:50:23	-rw-r--r--



(4)make uninstall 执行结果:

```
[root@RH74-SVR 1652262-000107]# make uninstall
rm -rf /etc/1652262.conf /usr/sbin/test-1652262 /usr/lib64/lib1652262.so /usr/1652262/1652262.dat /usr/lib/systemd/system/test-1652262.service /root/rpmbuild/RPMS/x86_64/test-1652262-0.x86_64.rpm /root/rpmbuild/RPMS/x86_64/1652262-debuginfo-test-0.x86_64.rpm /root/rpmbuild
if [ "" ]s -A /usr/1652262" = "" ]; then 'rm -rf /usr/1652262';fi;
[root@RH74-SVR 1652262-000107]#
```

(5)make clean 执行结果:

```
[root@RH74-SVR 1652262-000107]# make clean
rm -rf lib1652262.so test test-1652262.rpm
[root@RH74-SVR 1652262-000107]# ll
总用量 36
-rw-r--r--. 1 root root 14 12月 19 2017 1652262.conf
-rw-r--r--. 1 root root 14 10月 12 16:38 1652262.dat
-rw-r--r--. 1 root root 1072 10月 12 20:53 makefile
-rw-r--r--. 1 root root 355 10月 12 16:39 read.c
drwxr-xr-x. 2 root root 117 10月 12 20:44 test-1652262
-rw-r--r--. 1 root root 292 10月 12 20:47 test-1652262.service
-rw-r--r--. 1 root root 2685 10月 12 20:50 test-1652262.tar.bz2
-rw-r--r--. 1 root root 5247 10月 12 16:39 test.c
-rw-r--r--. 1 root root 1070 10月 12 16:36 test.spec
[root@RH74-SVR 1652262-000107]#
```

三.写一个 test-1652262.service, 放在特定目录下, 能完成如下要求:

测试结果如下:

```
[root@RH74-SVR 1652262-000107]# systemctl enable test-1652262.service
Created symlink from /etc/systemd/system/multi-user.target.wants/test-1652262.service to /etc/systemd/system/test-1652262.service.
[root@RH74-SVR 1652262-000107]# systemctl disable test-1652262.service
Removed symlink /etc/systemd/system/multi-user.target.wants/test-1652262.service.
[root@RH74-SVR 1652262-000107]# systemctl start test-1652262.service
[root@RH74-SVR 1652262-000107]# systemctl stop test-1652262.service
[root@RH74-SVR 1652262-000107]# systemctl restart test-1652262.service
[root@RH74-SVR 1652262-000107]#
```

四.将 test 程序及附件共同打包成一个 rpm 安装包: 安装包名为 test-1652262.rpm, 用 rpm -ivh 1652262-test.rpm 安装后目录分布符合要求, 用 rpm -e 卸载后, 要依次删除上面的 5 个文件及一个目录, 并在安装 rpm 包时有相应提示:

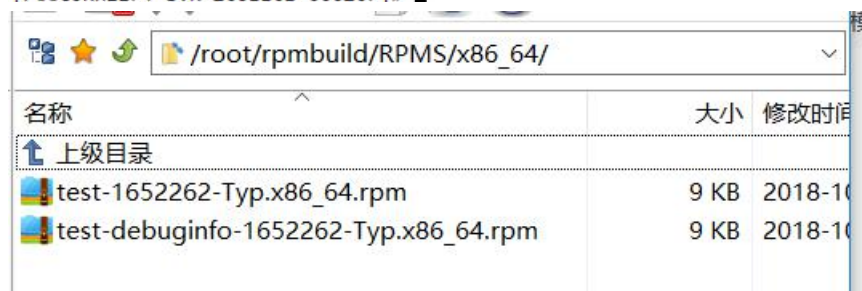
答:

首先 rpmbuild -ba test.spec, 用当前目录下的 spec 文件生成 test-1652262.rpm 文件, 在 RPMS 中的 x86\_64 文件夹下可以查看到该 rpm 文件:

```

+ make install DESTDIR=/root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64
cp test /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64/usr/sbin/test-1652262
cp lib1652262.so /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64/usr/lib64
mkdir -p /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64/usr/1652262
cp 1652262.dat /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64/usr/1652262
cp 1652262.conf /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64/etc
+ /usr/lib/rpm/find-debuginfo.sh --strict-build-id -m --run-dwz --dwz-low-mem-die-limit 100
00000 --dwz-max-die-limit 1100000000 /root/rpmbuild/BUILD/test-1652262
extracting debug info from /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64/usr/sbin/test-1
652262
extracting debug info from /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64/usr/lib64/lib16
52262.so
dwz: Too few files for multifile optimization
/usr/lib/rpm/sepdebugcrcfix: Updated 1 CRC32s, 1 CRC32s did match.
11 blocks
+ /usr/lib/rpm/check-buildroot
+ /usr/lib/rpm/redhat/brp-compress
+ /usr/lib/rpm/redhat/brp-strip-static-archive /usr/bin/strip
+ /usr/lib/rpm/brp-python-bytecompile /usr/bin/python 1
+ /usr/lib/rpm/redhat/brp-python-hardlink
+ /usr/lib/rpm/redhat/brp-java-repack-jars
处理文件: test-1652262-Typ.x86_64
Provides: lib1652262.so()(64bit) test = 1652262-Typ test(x86-64) = 1652262-Typ
Requires(interp): /bin/sh /bin/sh /bin/sh /bin/sh
Requires(rpmlib): rpmlib(CompressedFileNames) <= 3.0.4-1 rpmlib(FileDigests) <= 4.6.0-1 rpm
lib(PayloadFilesHavePrefix) <= 4.0-1
Requires(pre): /bin/sh
Requires(post): /bin/sh
Requires(preun): /bin/sh
Requires(postun): /bin/sh
Requires: lib1652262.so()(64bit) libc.so.6()(64bit) libc.so.6(GLIBC_2.2.5)(64bit) libc.so.6
(GLIBC_2.7)(64bit) rtld(GNU_HASH)
处理文件: test-debuginfo-1652262-Typ.x86_64
Provides: test-debuginfo = 1652262-Typ test-debuginfo(x86-64) = 1652262-Typ
Requires(rpmlib): rpmlib(FileDigests) <= 4.6.0-1 rpmlib(PayloadFilesHavePrefix) <= 4.0-1 rp
mlib(CompressedFileNames) <= 3.0.4-1
检查未打包文件: /usr/lib/rpm/check-files /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64
写道:/root/rpmbuild/SRPM/test-1652262-Typ.src.rpm
写道:/root/rpmbuild/RPMS/x86_64/test-1652262-Typ.x86_64.rpm
写道:/root/rpmbuild/RPMS/x86_64/test-debuginfo-1652262-Typ.x86_64.rpm
执行(%clean): /bin/sh -e /var/tmp/rpm-tmp.p0I132
+ umask 022
+ cd /root/rpmbuild/BUILD
+ cd test-1652262
+ rm -rf /root/rpmbuild/BUILDROOT/test-1652262-Typ.x86_64
+ exit 0
[root@RH74-SVR 1652262-000107]#

```



名称	大小	修改时间
上级目录		
test-1652262-Typ.x86_64.rpm	9 KB	2018-10-12
test-debuginfo-1652262-Typ.x86_64.rpm	9 KB	2018-10-12

4.2.用 rpm -ivh 1652262-test.rpm 安装后，目录分布满足既定要求：  
首先执行命令：

```

[root@RH74-SVR home]# cd /root/rpmbuild/RPMS/x86_64
[root@RH74-SVR x86_64]# rpm -ivh test-1652262-Typ.x86_64.rpm
准备中... ##### [100%]
准备安装test-1652262
正在升级/安装...
1:test-1652262-Typ ##### [100%]
完成安装test-1652262
[root@RH74-SVR x86_64]#

```

查看各个目录下文件的分布情况：



名称	大小	修改时间
.updated	163	2018-09-15 1
1652262.conf	14	2018-10-12 2



/usr/sbin/		
名称	大小	
telinit	700 KB	
test-1652262	17 KB	

/usr/lib64/		
名称	大小	修改时间
ld-linux-x86-64.so.2	160 KB	2018-0
lib1652262.so	6 KB	2018-1

/usr/1652262/		
名称	大小	修改时间
上级目录		
1652262.dat	14	2018-10

4.3.用 rpm -e 卸载后, 要依次删除上面的五个文件及一个目录:

```
[root@RHEL74-SVR x86_64]# rpm -e test
准备卸载test-1652262
完成卸载test-1652262
[root@RHEL74-SVR x86_64]# ll /usr/1652262
ls: 无法访问/usr/1652262: 没有那个文件或目录
[root@RHEL74-SVR x86_64]# cat /etc/1652262.conf
cat: /etc/1652262.conf: 没有那个文件或目录
[root@RHEL74-SVR x86_64]# cat /usr/sbin/test-1652262
cat: /usr/sbin/test-1652262: 没有那个文件或目录
[root@RHEL74-SVR x86_64]# cat /usr/lib64/lib1652262.so
cat: /usr/lib64/lib1652262.so: 没有那个文件或目录
[root@RHEL74-SVR x86_64]# cat /usr/1652262/1652262.dat
cat: /usr/1652262/1652262.dat: 没有那个文件或目录
[root@RHEL74-SVR x86_64]#
```

4.4.rpm 安装相应提示:

```
[root@RHEL74-SVR home]# cd /root/rpmbuild/RPMS/x86_64
[root@RHEL74-SVR x86_64]# rpm -ivh test-1652262-Typ.x86_64.rpm
准备中... ##### [100%]
准备安装test-1652262
正在升级/安装...
 1:test-1652262-Typ ##### [100%]
完成安装test-1652262
[root@RHEL74-SVR x86_64]#
```

```
[root@RHEL74-SVR x86_64]# rpm -e test
准备卸载test-1652262
完成卸载test-1652262
[root@RHEL74-SVR x86_64]# ll /usr/1652262
ls: 无法访问/usr/1652262: 没有那个文件或目录
[root@RHEL74-SVR x86_64]# cat /etc/1652262.conf
cat: /etc/1652262.conf: 没有那个文件或目录
[root@RHEL74-SVR x86_64]# cat /usr/sbin/test-1652262
cat: /usr/sbin/test-1652262: 没有那个文件或目录
[root@RHEL74-SVR x86_64]# cat /usr/lib64/lib1652262.so
cat: /usr/lib64/lib1652262.so: 没有那个文件或目录
[root@RHEL74-SVR x86_64]# cat /usr/1652262/1652262.dat
cat: /usr/1652262/1652262.dat: 没有那个文件或目录
[root@RHEL74-SVR x86_64]#
```