Subject: SSHFS: libfuse.so.2: No such file or directory
Posted by ittec on Tue, 07 Oct 2008 15:06:00 GMT
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Hi

I have followed FUSE guide on OpenVZ Wiki but i can't solve this issue. I choose FUSE when I noticed the problem with kernel support reading a lot of post on forum and FUSE looks good idea.

[B]# /usr/local/bin/sshfs[/B]: error while loading shared libraries: libfuse.so.2: cannot open shared object file: No such file or directory

I think there are something wrong with ld.so.conf

[B]#cat /etc/ld.so.conf[/B]

include /usr/local/lib/libfuse.so.2
include ld.so.conf.d/*.conf

But when i run ldconfig a lot of strange characters appears on screen

ldconfig: îÝv$º Ö¿Ã ó{ is not a known library type
ldconfig: =uuq@Zð=»×ôu;/Y«ç«
u
Z/u-!
?-® is not a known library type
ldconfig: ;£f/-gKgKÚ<>
is not a known library type
òlA?Ê is not a known library type
ldconfig: uvS58!»Y--;=1u
x;Ko;-/-/6wuÈg=dJc<gKy(X\t¬
.d is not a known library type
ldconfig: [»=;KeÊÙuä-<..x<´ /t=]fÚ.Wt¼ is not a known library type
-bash-3.2# PuTTYPuTTY

Any idea?

Subject: Re: SSHFS: libfuse.so.2: No such file or directory
Posted by ittec on Wed, 08 Oct 2008 13:07:21 GMT
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Well, this issue is very frustrating. I can't solve it, not work Wiki method, not work RPM method.

Ill try to explain a little better my situation, perhaps someone can give me a idea.

Kernel:Linux hn249-5 2.6.18-92.1.1.el5.028stab057.2PAE
Centos5-minimal-i386-template

1)VE created with ostemplate: vzctl create 101 --ostemplate centos5-i386-minimal
2) Install some software:vzyum 101 install joe wget gzip tar(i need to install glib2-devel to compile...
3) download fuse and sshfs
4) i add /usr/local/lib on /etc/ld.so.conf and run ldconfig
5) ill try /usr/local/bin/sshfs root@one.ip.remote:/home/test /mnt/test

My issue:

/usr/local/bin/sshfs: error while loading shared libraries: libfuse.so.2: cannot open shared object file: No such file or directory

Is always so hard to install FUSE?? Any help will be great!
Thanks!

Subject: Re: SSHFS: libfuse.so.2: No such file or directory
Posted by maratrus on Wed, 08 Oct 2008 13:15:23 GMT
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May be strace shed light what exactly sshfs wasn't able to open.

Subject: Re: SSHFS: libfuse.so.2: No such file or directory
Posted by ittec on Wed, 08 Oct 2008 13:39:33 GMT
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Thanks maratrus,

i have downloaded SSHFS and FUSE from Sourceforge and ive compiled from source inside Container, following openvz WIKI. This is the result of strace:

-bash-3.1# strace /usr/local/bin/sshfs root@one.ip.remote:/home/sharing /mnt/remote
execve("/usr/local/bin/sshfs", ["/usr/local/bin/sshfs", "root@one.ip.remote:/home/sharin"..., "/mnt/remote"...], [/* 17 vars */]) = 0
brk(0) = 0x9b95000
uname({sys="Linux", node="52.grupoitnet.net", ...}) = 0
access("/etc/ld.so.preload", R_OK) = -1 ENOENT (No such file or directory)
open("/etc/ld.so.cache", O_RDONLY) = 3
fstat64(3, {st_mode=S_IFREG|0644, st_size=9905, ...}) = 0
mmap2(NULL, 9905, PROT_READ, MAP_PRIVATE, 3, 0) = 0xb7fbe000

```
close(3)                                = 0
open("/lib/tls/i686/sse2/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/tls/i686/sse2", 0xbfe26098) = -1 ENOENT (No such file or directory)
open("/lib/tls/i686/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/tls/i686", 0xbfe26098)     = -1 ENOENT (No such file or directory)
open("/lib/tls/sse2/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/tls/sse2", 0xbfe26098)     = -1 ENOENT (No such file or directory)
open("/lib/tls/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/tls", {st_mode=S_IFDIR|0755, st_size=1024, ...}) = 0
open("/lib/i686/sse2/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/i686/sse2", 0xbfe26098)    = -1 ENOENT (No such file or directory)
open("/lib/i686/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/i686", {st_mode=S_IFDIR|0755, st_size=1024, ...}) = 0
open("/lib/sse2/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/sse2", 0xbfe26098)         = -1 ENOENT (No such file or directory)
open("/lib/libfuse.so.2", O_RDONLY)     = -1 ENOENT (No such file or directory)
stat64("/lib", {st_mode=S_IFDIR|0755, st_size=5120, ...}) = 0
open("/usr/lib/tls/i686/sse2/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/tls/i686/sse2", 0xbfe26098) = -1 ENOENT (No such file or directory)
open("/usr/lib/tls/i686/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/tls/i686", 0xbfe26098) = -1 ENOENT (No such file or directory)
open("/usr/lib/tls/sse2/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/tls/sse2", 0xbfe26098) = -1 ENOENT (No such file or directory)
open("/usr/lib/tls/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/tls", {st_mode=S_IFDIR|0755, st_size=1024, ...}) = 0
open("/usr/lib/i686/sse2/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/i686/sse2", 0xbfe26098) = -1 ENOENT (No such file or directory)
open("/usr/lib/i686/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/i686", 0xbfe26098)     = -1 ENOENT (No such file or directory)
open("/usr/lib/sse2/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/sse2", {st_mode=S_IFDIR|0755, st_size=1024, ...}) = 0
open("/usr/lib/libfuse.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib", {st_mode=S_IFDIR|0755, st_size=7168, ...}) = 0
writev(2, [{"/usr/local/bin/sshfs", 20}, {": ", 2}, {"error while loading shared libra"..., 36}, {": ", 2},
{"libfuse.so.2", 12}, {": ", 2}, {"cannot open shared object file", 30}, {": ", 2}, {"No such file or
directory", 25}, {"\n", 1}], 10/usr/local/bin/sshfs: error while loading shared libraries: libfuse.so.2:
cannot open shared object file: No such file or directory
) = 132
exit_group(127)                         = ?
```

Sshfs try to open libfuse.so.2 in many directorys. I have libfuse.so.2 in /usr/local/lib

Perhaps creating a symbolic link on all failed directorys solve the error???

Subject: Re: SSHFS: libfuse.so.2: No such file or directory
Posted by maratrus on Wed, 08 Oct 2008 14:19:33 GMT
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Hello,

Quote:

#cat /etc/ld.so.conf[/B]
include /usr/local/lib/libfuse.so.2
include ld.so.conf.d/*.conf

You shouldn't write "include /usr/local/lib/libfuse.so.2" just put "/usr/local/lib/"

Subject: Re: SSHFS: libfuse.so.2: No such file or directory
Posted by ittec on Wed, 08 Oct 2008 15:10:09 GMT
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Hello!

Unfortunately I think ld.so.conf is not cause of error :/

cat /etc/ld.so.conf
include ld.so.conf.d/*.conf
include /usr/local/lib

And inside of /usr/local/lib i have libfuse.so.2

-bash-3.1# ls -ls /usr/local/lib
total 828
445 -rw-r--r-- 1 root root 451886 Oct 8 14:58 libfuse.a
  1 -rwxr-xr-x 1 root root   986 Oct 8 14:58 libfuse.la
  0 lrwxrwxrwx 1 root root   16 Oct 8 14:58 libfuse.so -> libfuse.so.2.7.4
  0 lrwxrwxrwx 1 root root   16 Oct 8 14:58 libfuse.so.2 -> libfuse.so.2.7.4
337 -rwxr-xr-x 1 root root 341665 Oct 8 14:58 libfuse.so.2.7.4
 21 -rw-r--r-- 1 root root 19916 Oct 8 14:58 libulockmgr.a
  1 -rwxr-xr-x 1 root root   995 Oct 8 14:58 libulockmgr.la
  0 lrwxrwxrwx 1 root root   20 Oct 8 14:58 libulockmgr.so -> libulockmgr.so.1.0.1
  0 lrwxrwxrwx 1 root root   20 Oct 8 14:58 libulockmgr.so.1 -> libulockmgr.so.1.0.1
 22 -rwxr-xr-x 1 root root 21263 Oct 8 14:58 libulockmgr.so.1.0.1
  1 drwxr-xr-x 2 root root   1024 Oct 8 14:58 pkgconfig

Subject: Re: SSHFS: libfuse.so.2: No such file or directory
Posted by maratrus on Wed, 08 Oct 2008 15:19:23 GMT
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Hi,

sorry for misleading. I mean that your ld.so.conf should look like

include ld.so.conf.d/*.conf
/usr/local/lib/

then run ldconfig.