Subject: compiling
Posted by vmvmvm on Wed, 04 Jan 2006 04:53:41 GMT
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Hi,

Using centos-default I add the gcc, cpp, glibc-devel and other dependant rpms.

However gcc will not build anything. It errors with:

bash-3.00# gcc test.c
collect2: cannot find `ld'

ld exists and is in the path:

bash-3.00# ld
ld: no input files

any ideas?

Thanks!

Subject: Re: compiling
Posted by vmvmvm on Wed, 04 Jan 2006 06:32:37 GMT
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I have checked /proc/user_beancounters and nothing is going over.

I also created a fedora core 4 ve, did :

yum install gcc

and it too has the same compile error.

Any ideas - this is driving me crazy

Subject: Re: compiling
Posted by dev on Wed, 04 Jan 2006 21:22:30 GMT
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do you use EMT64 arch?
maybe you installed 32bit ld, so gcc can't find the appropriate 64bit. or vise versa.

send me credentials via email if want some help.

Subject: Re: compiling
Posted by vmvmvm on Wed, 04 Jan 2006 21:48:42 GMT
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hardware nod is running RedHat EL4

(Red Hat Enterprise Linux ES release 4 (Nahant Update 1)

ve is running CentOS 4 (the template from the openvz site)

All on Intel(R) Celeron(R) CPU 2.40GHz

ld on ve is :

Name : binutils Relocations: (not relocatable)
Version : 2.15.92.0.2 Vendor: CentOS
Release : 15 Build Date: Sun Aug 21 21:18:12 2005
Install Date: Wed Dec 14 18:36:18 2005 Build Host: build1-i386
Group : Development/Tools Source RPM: binutils-2.15.92.0.2-15.src.rpm
Size : 6663307 License: GPL
Signature : DSA/SHA1, Mon Aug 22 02:31:26 2005, Key ID a53d0bab443e1821
Packager : Johnny Hughes <johnny@centos.org>
URL : http://sources.redhat.com/binutils
Summary : A GNU collection of binary utilities.

Subject: Re: compiling
Posted by dev on Wed, 04 Jan 2006 21:54:45 GMT
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so everything is 32bit?
then send me a dump of `strace -f -o dump gcc test.c` please
or give me credentials to the VPS. I'm sure, it's something simple)))

Subject: Re: compiling
Posted by vmvmvm on Wed, 04 Jan 2006 22:17:45 GMT

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doing this now

Subject: Re: compiling
Posted by vmvmvm on Wed, 04 Jan 2006 22:26:59 GMT
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The output is very large so I am trying to cut it down some.

I did find it is something to do with linking:

gcc -c test.c

works and produces test.o

What packages install the linker? I think I have them all installed but I must not!

Thanks again

Subject: Re: compiling
Posted by dev on Wed, 04 Jan 2006 22:32:21 GMT
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try to find out from strace output what was doing gcc before it printed that it failed. this is a clue. it will be visible that it looks for some file or something like that. after that you can check to which RPM this file in question belongs to and install the required packages.

Subject: Re: compiling
Posted by vmvmvm on Wed, 04 Jan 2006 23:18:17 GMT
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No luck yet.

Here is the dump:

[cut to clean the post up - see last post - operator error!]

Subject: Re: compiling
Posted by vmvmvm on Wed, 04 Jan 2006 23:20:07 GMT
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The command line result is:

bash-3.00# gcc test.c
collect2: cannot find `ld'

test.c is :

main(){return(0);}

Subject: Re: compiling
Posted by vmvmvm on Thu, 05 Jan 2006 02:57:12 GMT
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ok, i fixed it.

classic operator error!

my path was not set. I could have SWORN I checked it first thing since that would be an obvious reason that ld could not be found.

Anyway fixed now. Argggg....

Subject: Re: compiling
Posted by dev on Thu, 05 Jan 2006 07:02:56 GMT
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congratulations!
vmvmvm sorry that I had to go to sleep and was not with you at this moment
if you want a quick help next time I'd recommend to buy a support or just give us a temporary credentials to resolve the problem.

Subject: Re: compiling
Posted by vmvmvm on Thu, 05 Jan 2006 15:01:49 GMT
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Hi,

Thanks again for your help!

As a reminder to anyone who may be reading this in the future - if you vzctl into a ve I don't think it sets the same environment as if you ssh'd in.

This was the main cause of my problem.

Also, don't forget to export your PATH after you set it.

I think what I was doing was:

using vzctl to enter the VE
try to complile
gcc can't find ln
checking path
no path
setting path
FORGETTING TO EXPORT PATH!!!
still no worky

exporting my path or ssh'ing in proper fixed it.

Anyway, I hope this may help someone who has the same problem in the future.
