Subject: zaptel compile in container
Posted by gtcnet on Mon, 13 Oct 2008 03:32:59 GMT
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Has anyone successfully compiled zaptel within a VE container. IF so, can you please advise the OS template used and the steps to get the proper kernel sources for compile. thanks

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 11:46:57 GMT
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May be the following article will help you

http://wiki.openvz.org/Asterisk_from_source

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 14:20:06 GMT
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This thread discussed the compiling of Zaptel in the Hardware node. As there is difficulty in compiling Zaptel in the current kernel within the hardware node, it was suggested that Zaptel can be compiled within the VE container.

I would like to know if anyone has successfully compiled zaptel within the VE container and which kernel and sources they used.

Thanks

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 14:58:50 GMT
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Hi,

I hope somebody'll point you the exact version of kernel and zaptel module that work perfectly with each other but I want to make a little notes:
- I think you'd better try to do it by yourself and if something is wrong ask here
- take care of building environment i.e. if you're going to build zaptel module against rhel based kernel do it in rhel/centos based VE. install gcc and kernel-devel package inside VE and compile

the module inside VE.

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:09:01 GMT
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Hello,

I have tried this already as you had suggested building zaptel in the VE container and was not able to do that.

see thread:
http://forum.openvz.org/index.php?t=tree&&th=6729&am p;goto=33022#msg_33022

I was posting to see if anyone had successfully done this as per your suggestion.

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 15:14:42 GMT
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Unfortunately, I vaguely remember the details but the only one thing I know for sure that I've been able to compile zaptel module inside VE:

- zaptel-1.4.12.1
- 2.6.18-92.1.1.el5.028stab057.2
- centos 5 based VE + ovzkernel-devel-2.6.18-92.1.1.el5.028stab057.2.i686.rpm

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:17:38 GMT
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all right, i appreciate your suggestions. I attached the previous thread listing where we attempted this. . I will try again. thanks

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:35:14 GMT
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Ok, back to the same spot with the kernel sources.

since you have done this, please let me know what you did, with the exact steps to get the kernel sources installed so you can compile this? Thanks

```
make[3]: Leaving directory `/usr/src/zaptel-1.4.12.1/menuselect
/mxml'
gcc -o menuselect menuselect.o strcompat.o menuselect_stub.o mxml/libmxml.a mxml/libmxml.a
make[2]: Leaving directory `/usr/src/zaptel-1.4.12.1/menuselect'
make[1]: Leaving directory `/usr/src/zaptel-1.4.12.1/menuselect'
Generating input for menuselect ...
make[1]: Entering directory `/usr/src/zaptel-1.4.12.1'
echo "You do not appear to have the sources for the 2.6.18-92.1.1.el5.028stab057.2 kernel
installed."
You do not appear to have the sources for the 2.6.18-92.1.1.el5.028stab057.2 kernel installed.
exit 1
make[1]: *** [modules] Error 1
make[1]: Leaving directory `/usr/src/zaptel-1.4.12.1'
make: *** [all] Error 2
[root@238 zaptel-1.4.12.1]#
```

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 15:36:24 GMT
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What "uname -a" says?

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:36:58 GMT
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```
 1  clear
 2  cd /usr/src/
 3  wget  http://downloads.digium.com/pub/zaptel/releases/zaptel-1.4.1 2.1.tar.gz
 4  cd zaptel-1.4.12.1.tar.gz
 5  ll
 6  tar xzvf zaptel-1.4.12.1.tar.gz
 7  cd zaptel-1.4.12.1
 8  ./install_prereq test
 9  uname -a
10  yum install gcc
11  ./configure
12  yum -y install make
13  ./configure
```

14 make
15 history

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:38:15 GMT
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[root@238 zaptel-1.4.12.1]# uname -a
Linux 238.local 2.6.18-92.1.1.el5.028stab057.2 #1 SMP Mon Jul 21 20:55:45 MSD 2008 i686 i686 i386 GNU/Linux
[root@238 zaptel-1.4.12.1]#

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 15:40:09 GMT
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Where have you installed ovzkernel-devel-2.6.18-92.1.1.el5.028stab057.2.i686.rpm?

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:41:41 GMT
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ok, this is the point where we got stuck before. How did you get the sources installed. did you download the rpm and install it or use you?

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 15:43:57 GMT
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Download this package inside VE
http://download.openvz.org/kernel/branches/rhel5-2.6.18/028s
tab057.2/ovzkernel-devel-2.6.18-92.1.1.el5.028stab057.2.i686 .rpm

then install it "rpm -ihv ovzkernel-devel-2.6.18-92.1.1.el5.028stab057.2.i686.rpm"

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:45:20 GMT

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[root@238 src]# wget http://download.openvz.org/kernel/branches/rhel5-2.6.18/028stab057.2/ovzkernel-2.6.18-92.1.1.el5.028stab057.2.src.rpm
--08:42:20-- http://download.openvz.org/kernel/branches/rhel5-2.6.18/028stab057.2/ovzkernel-2.6.18-92.1.1.el5.028stab057.2.src.rpm
Resolving download.openvz.org... 64.131.90.11
Connecting to download.openvz.org|64.131.90.11|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 63199783 (60M) [application/x-rpm]
Saving to: `ovzkernel-2.6.18-92.1.1.el5.028stab057.2.src.rpm'

 100%[==
============================== >] 63,199,783   766K/s   in 1m 49s

08:44:10 (564 KB/s) - `ovzkernel-2.6.18-92.1.1.el5.028stab057.2.src.rpm' saved [63199783/63199783]

[root@238 src]# rpm -ivh ovzkernel-2.6.18-92.1.1.el5.028stab057.2.src.rpm
warning: ovzkernel-2.6.18-92.1.1.el5.028stab057.2.src.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
error: cannot create %sourcedir /usr/src/redhat/SOURCES
[root@238 src]#

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 15:48:14 GMT
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I've provided you with another link. ovzkernel-devel package, not src.rpm. Please, download package from provided link.

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:49:18 GMT
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ok, it installed the sources, same problem:
ranlib libmxml.a
make[3]: Leaving directory `/usr/src/zaptel-1.4.12.1/menuselect/mxml'
gcc -o menuselect menuselect.o strcompat.o menuselect_stub.o mxml/libmxml.a mxml/libmxml.a
make[2]: Leaving directory `/usr/src/zaptel-1.4.12.1/menuselect'
make[1]: Leaving directory `/usr/src/zaptel-1.4.12.1/menuselect'
make[1]: Entering directory `/usr/src/zaptel-1.4.12.1'
echo "You do not appear to have the sources for the 2.6.18-92.1.1.el5.028stab057.2 kernel installed."

```
You do not appear to have the sources for the 2.6.18-92.1.1.el5.028stab057.2 kernel installed.
exit 1
make[1]: *** [modules] Error 1
make[1]: Leaving directory `/usr/src/zaptel-1.4.12.1'
make: *** [all] Error 2
[root@238 zaptel-1.4.12.1]# history
    1  clear
    2  cd /usr/src/
    3  wget  http://downloads.digium.com/pub/zaptel/releases/zaptel-1.4.1 2.1.tar.gz
    4  cd zaptel-1.4.12.1.tar.gz
    5  ll
    6  tar xzvf zaptel-1.4.12.1.tar.gz
    7  cd zaptel-1.4.12.1
    8  ./install_prereq test
    9  uname -a
   10  yum install gcc
   11  ./configure
   12  yum -y install make
   13  ./configure
   14  make
   15  history
   16  uname -a
   17  clear
   18  uname -a
   19  cd ..
   20  wget  http://download.openvz.org/kernel/branches/rhel5-2.6.18/028s
tab057.2/ovzkernel-2.6.18-92.1.1.el5.028stab057.2.src.rpm
   21  rpm -ivh ovzkernel-2.6.18-92.1.1.el5.028stab057.2.src.rpm
   22  pwd
   23  cd /tmp/
   24  wget  http://download.openvz.org/kernel/branches/rhel5-2.6.18/028s
tab057.2/ovzkernel-devel-2.6.18-92.1.1.el5.028stab057.2.i686 .rpm
   25  rpm -ivh ovzkernel-devel-2.6.18-92.1.1.el5.028stab057.2.i686.rpm
   26  cd /usr/src/
   27  cd zaptel-1.4.12.1
   28  make
   29  make clean
   30  ./configure
   31  make
   32  history
[root@238 zaptel-1.4.12.1]#
```

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 15:51:12 GMT
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yes, i was able to sucessfully install the link you provided and sent the history listing to you.

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 15:56:21 GMT
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Just a moment I'll to do it.

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 16:09:35 GMT
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I got it! Sorry, I totally forgot about it.

Please,
(inside VE)
mkdir /lib/modules/2.6.18-92.1.1.el5.028stab057.2
(on the HN)
mount --bind /lib/modules/2.6.18-92.1.1.el5.028stab057.2/
/vz/root/101/lib/modules/2.6.18-92.1.1.el5.028stab057.2/

then try again

Subject: Re: zaptel compile in container
Posted by gtcnet on Tue, 14 Oct 2008 16:41:11 GMT
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ok, it compiles, but dosent load:

[root@238 zaptel-1.4.12.1]# service zaptel start
Loading zaptel framework: WARNING: Error inserting crc_ccitt
(/lib/modules/2.6.18-92.1.1.el5.028stab057.2/kernel/lib/crc- ccitt.ko): Operation not permitted
FATAL: Error inserting zaptel (/lib/modules/2.6.18-92.1.1.el5.028stab057.2/misc/zaptel.ko) :
Operation not permitted
[FAILED]
Waiting for zap to come online...

Subject: Re: zaptel compile in container
Posted by maratrus on Tue, 14 Oct 2008 17:28:21 GMT

It's impossible to load modules from inside the containers!

You should load appropriate modules inside HN and then grant appropriate permissions to VE

http://wiki.openvz.org/Asterisk_from_source