Subject: linking with vzctl library
Posted by Standa Kunc on Sun, 22 Apr 2007 22:50:19 GMT
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Hello,

I would like to link my C program with vzctl library to be able to
start and stop virtual machines.

My question is the same as Mateus Baur had, see
http://forum.openvz.org/index.php?t=msg&goto=10586&# msg_10586

Error message:
/usr/lib/libvzctl-0.0.2.so: undefined reference to `g_log'
collect2: ld returned 1 exit status

How should I link it properly?

Thank you in advance
S. Kunc

Subject: Re: linking with vzctl library
Posted by ldv on Mon, 23 Apr 2007 10:02:55 GMT
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Hi,

On Mon, Apr 23, 2007 at 12:50:19AM +0200, Standa Kunc wrote:
> I would like to link my C program with vzctl library to be able to
> start and stop virtual machines.
>
> My question is the same as Mateus Baur had, see
> http://forum.openvz.org/index.php?t=msg&goto=10586&# msg_10586
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> Error message:
> /usr/lib/libvzctl-0.0.2.so: undefined reference to `g_log'
> collect2: ld returned 1 exit status

The question I had to ask here long time ago: why g_log symbol is not
provided by the library? Asking every client to provide the g_log
structure just to link executable does not look wise.
JFYI, I had to move the g_log symbol to the library in the ALT's vzctl
package, otherwise clients won't link with -Wl,--as-needed at all.

--
ldv

Subject: Re: linking with vzctl library
Posted by Standa Kunc on Mon, 23 Apr 2007 13:06:15 GMT
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Dmitry,

would you mind to describe me you workaround?

I compile with -l/usr/lib/libvzctl-0.0.2.so. Should I include some
header file (which)? And where should I add g_log structure?

Thank you in advance
S. Kunc

On 23/04/07, Dmitry V. Levin <ldv@altlinux.org> wrote:
> Hi,
>
> On Mon, Apr 23, 2007 at 12:50:19AM +0200, Standa Kunc wrote:
> > I would like to link my C program with vzctl library to be able to
> > start and stop virtual machines.
> >
> > My question is the same as Mateus Baur had, see
> > http://forum.openvz.org/index.php?t=msg&goto=10586&# msg_10586
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> JFYI, I had to move the g_log symbol to the library in the ALT's vzctl
> package, otherwise clients won't link with -Wl,--as-needed at all.
>
>
> --
> ldv
>

Subject: Re: linking with vzctl library
Posted by ldv on Mon, 23 Apr 2007 14:34:44 GMT
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On Mon, Apr 23, 2007 at 03:06:15PM +0200, Standa Kunc wrote:
> Dmitry,
>
> would you mind to describe me you workaround?

My workaround is library fix, you probably don't want to follow this way
yet.

> I compile with -l/usr/lib/libvzctl-0.0.2.so. Should I include some
> header file (which)? And where should I add g_log structure?

Include logger.h and add
LOG_DATA
line to your client source.

--
ldv

---

Subject: Re: linking with vzctl library
Posted by dev on Mon, 23 Apr 2007 17:43:22 GMT
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current libvzctl imho is brain damaged as it was never actually been designed properly.
after the licensing question will be resolved I think it will be greately reworked.
If you still want to give it a try then follow Dmitry Levin recommendations.

Thanks,
Kirill

Standa Kunc wrote:
> Hello,
>
> I would like to link my C program with vzctl library to be able to
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>
> My question is the same as Mateus Baur had, see
> http://forum.openvz.org/index.php?t=msg&goto=10586&# msg_10586
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> Error message:
> /usr/lib/libvzctl-0.0.2.so: undefined reference to `g_log'
> collect2: ld returned 1 exit status
>
> How should I link it properly?
>
> Thank you in advance
> S. Kunc
>

---

Subject: Re:  linking with vzctl library
Posted by Standa Kunc on Mon, 23 Apr 2007 23:10:03 GMT
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Thank you Dmitry, now I am able to use libvzctl.

Is it possible to link libvzctl without access to openvz source code?

Is there or are there header files installed in system path which
provide all needed declarations?

Something simple like math library for C language?
#include <math.h>
cc mathprog.c -o mathprog -lm

I will need it eventually.

Best regards,
S. Kunc

On 23/04/07, Dmitry V. Levin <ldv@altlinux.org> wrote:
> On Mon, Apr 23, 2007 at 03:06:15PM +0200, Standa Kunc wrote:
> > Dmitry,
> >
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>
>
> --
> ldv
>