
Subject: Q: libvzctl-simfs
Posted by [ldv](#) on Wed, 21 Jun 2006 17:20:11 GMT
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Hi,

I wonder what was rationale for introducing libvzctl-simfs library.
Since this library references to symbols defined in libvzctl, it cannot be loaded without loading libvzctl.

--
ldv

Subject: Re: Q: libvzctl-simfs
Posted by [Igor Sukhih](#) on Thu, 22 Jun 2006 07:41:29 GMT
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Dmitry V. Levin wrote:

> Hi,
>
> I wonder what was rationale for introducing libvzctl-simfs library.
> Since this library references to symbols defined in libvzctl, it cannot be
> loaded without loading libvzctl.
It can't supposed to work standalone.
libvzctl-simfs introduced for VE file system type selection.
Then vzctl will support more file systems appropriate library will used.

Subject: Re: Q: libvzctl-simfs
Posted by [dev](#) on Thu, 22 Jun 2006 07:44:15 GMT
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It was a try to split vzctl and make it plugin based.
however, due to lack of time and low prio it was stopped
on the early stages... ./ Rudiments...

Kirill

> Hi,
>
> I wonder what was rationale for introducing libvzctl-simfs library.
> Since this library references to symbols defined in libvzctl, it cannot be
> loaded without loading libvzctl.
>
>

>
>
> -----
>

Subject: Re: Q: libvzctl-simfs
Posted by [ldv](#) on Thu, 22 Jun 2006 07:55:36 GMT
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On Thu, Jun 22, 2006 at 11:44:15AM +0400, Kirill Korotaev wrote:
> It was a try to split vzctl and make it plugin based.
> however, due to lack of time and low prio it was stopped
> on the early stages... ./ Rudiments...

I see. Anyway, if shared library references to symbols defined in another shared library, then it should link with that library. That is, I suggest to merge libvzctl-simfs back to libvzctl. Also, I suggest to move "g_log" symbol from vzcfgvalidate binary to libvzctl. After that, libvzctl will be self-contained, thus enabling both --as-needed and prelink support.

At least, I had to apply these changes to package vzctl for Sisyphus.

--
ldv

Subject: Re: Q: libvzctl-simfs
Posted by [kir](#) on Thu, 27 Jul 2006 15:37:54 GMT
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Dmitry V. Levin wrote:
> On Thu, Jun 22, 2006 at 11:44:15AM +0400, Kirill Korotaev wrote:
>
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>> however, due to lack of time and low prio it was stopped
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>>
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> symbol from vzcfgvalidate binary to libvzctl. After that, libvzctl will
> be self-contained, thus enabling both --as-needed and prelink support.
>
> At least, I had to apply these changes to package vzctl for Sisyphus.

Dmitry,

Can you please send your patches (if you have those) -- we'll take a look and possibly commit them.

Subject: Re: Q: libvzctl-simfs

Posted by [ldv](#) on Mon, 07 Aug 2006 19:32:19 GMT

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On Thu, Jul 27, 2006 at 07:37:54PM +0400, Kir Kolyskin wrote:

> Dmitry V. Levin wrote:

> >On Thu, Jun 22, 2006 at 11:44:15AM +0400, Kirill Korotaev wrote:

> >

> >>It was a try to split vzctl and make it plugin based.

> >>however, due to lack of time and low prio it was stopped

> >>on the early stages... ./ Rudiments...

> >>

> >

> >I see. Anyway, if shared library references to symbols defined in another

> >shared library, then it should link with that library. That is, I suggest

> >to merge libvzctl-simfs back to libvzctl. Also, I suggest to move "g_log"

> >symbol from vzcfgvalidate binary to libvzctl. After that, libvzctl will

> >be self-contained, thus enabling both --as-needed and prelink support.

> >

> >At least, I had to apply these changes to package vzctl for Sisyphus.

> Dmitry,

>

> Can you please send your patches (if you have those) -- we'll take a

> look and possibly commit them.

The patch I made to package vzctl for Sisyphus just merges libvzctl-simfs back to libvzctl. Since you want to implement plugin support some day, I reworked the change, this patch may be more appropriate.

Rework libraries to support ld --as-needed.

Makefile:

Relocate libraries from /usr/lib/vzctl/lib to /usr/lib.

Drop rpath.

Move logger to separate libvzlogger library.

Add sonames to all shared libraries.

Link libvzctl-simfs with libvzlogger.

Link libvzctl with libvzctl-simfs and libvzlogger.

Link vzctl, vzlist, vzmemcheck and vzcfgvalidate with libvzlogger.

Raise LIB_VER.

logger.c:

Define export g_log variable.

vzcalc.c, vzcfgvalidate.c, vzctl.c, vzlist.c, vzmemcheck.c:

Use g_log variable from libvzlogger.

vzctl.spec:

Relocate libraries from /usr/lib/vzctl/lib to /usr/lib.

Signed-off-by: Dmitry V. Levin <ldv@altlinux.org>

```
src/Makefile      | 41 ++++++-----
src/lib/logger.c  |  2 +-
src/vzcalc.c      |  2 --
src/vzcfgvalidate.c |  2 --
src/vzctl.c       |  2 --
src/vzlist.c      |  1 -
src/vzmemcheck.c  |  2 --
vzctl.spec        | 29 ++++++-----
8 files changed, 41 insertions(+), 40 deletions(-)
```

2d2c39b960e0a61ff7122210dc75c70ef189a25a

diff --git a/src/Makefile b/src/Makefile

index 3008f1c..97e17a1 100644

--- a/src/Makefile

+++ b/src/Makefile

@@ -17,7 +17,7 @@ #

INSTALL = install

PREFIX = /usr

SBINDIR = \$(PREFIX)/sbin

- LIBDIR = \$(PREFIX)/lib/vzctl/lib

+ LIBDIR = \$(PREFIX)/lib

CONFDIR = /etc/vz

GLBCONFIG = \$(CONFDIR)/vz.conf

VPSCONFDIR = \$(CONFDIR)/conf

@@ -33,7 +33,7 @@ NETSCRIPTDIR = /etc/sysconfig/network-sc

VZDUMPDIR = \$(VZDIR)/dump

VEIPDUMPDIR = /var/lib/vzctl/veip

LOGRDIR = /etc/logrotate.d

- LIB_VER = 0.0.2

+ LIB_VER = 0.0.3

export LD_LIBRARY_PATH=.

CC = gcc

@@ -43,13 +43,14 @@ #VZKERNEL_HEADERS ?= /lib/modules/\$(shell

INC = -I ../include

ARCH ?= \$(shell uname -m)

```

-Obj_libvzctl = lib/env.lo lib/ub.lo lib/net.lo lib/logger.lo lib/exec.lo \
+Obj_libvzctl = lib/env.lo lib/ub.lo lib/net.lo lib/exec.lo \
  lib/cap.lo lib/cpu.lo lib/res.lo lib/util.lo lib/dist.lo lib/list.lo \
  lib/script.lo lib/dev.lo lib/config.lo lib/lock.lo lib/quota.lo \
  lib/modules.lo lib/iptables.lo lib/fs.lo lib/create.lo lib/readelf.lo \
  lib/cpt.lo lib/destroy.lo lib/vps_configure.lo lib/meminfo.lo \
  lib/veth.lo
Obj_simfs=lib/fs_simfs.lo
+Obj_logger = lib/logger.lo
Obj_vzctl = vzctl.o vzctl-actions.o modules.o enter.o
Obj_vzlist = vzlist.o
Obj_arp = arpsend.o
@@ -59,17 +60,17 @@ Obj_cfgvalidate = vzcfgvalidate.o valida
Obj_calc = vzcalc.o
Obj = $(Obj_vzctl) $(Obj_vzlist) $(Obj_arp) $(Obj_split) $(Obj_memcheck) \
  $(Obj_cfgvalidate) $(Obj_calc)
-LOBJ = $(Obj_libvzctl) $(Obj_simfs)
+LOBJ = $(Obj_libvzctl) $(Obj_simfs) $(Obj_logger)
LIB_vzctl = libvzctl.so.$(LIB_VER)
LIB_simfs = libvzctl-simfs.so.$(LIB_VER)
+LIB_logger = libvzlogger.so.$(LIB_VER)
LIB_fs = $(LIB_simfs)

-LDFLAGS += -Wl,-rpath=$(LIBDIR)
LIBSCRIPTS = vps-create vps-postcreate vps-net_add vps-net_del vps-stop \
  vps-functions

PROGS = vzctl vzlist arpsend vzsplit vzcfgvalidate vzmemcheck vzcalc
-LIBS = $(LIB_vzctl) $(LIB_fs)
+LIBS = $(LIB_vzctl) $(LIB_fs) $(LIB_logger)

INITSCRIPTS = vz
CRONSCRIPTS = vpsreboot vpsnetclean
@@ -102,23 +103,26 @@ check-version:
%.lo: %.c
$(CC) -c $(CFLAGS) $(SHAREDLIB_CFLAGS) $(INC) $< -o $@

-$(LIB_fs) : $(Obj_simfs) lib/logger.lo
- $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ -shared -o $@
+$(LIB_logger) : $(Obj_logger)
+ $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ -shared -Wl,-soname,$@ -o $@

-libvzctl.a: $(Obj_libvzctl) $(LIB_fs)
+$(LIB_fs) : $(Obj_simfs) $(LIB_logger)
+ $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ -shared -Wl,-soname,$@ -o $@
+
+$(LIB_vzctl) : $(Obj_libvzctl) $(LIB_fs) $(LIB_logger)

```

```

+ $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ $(LD_FLAGS) -shared -Wl,-soname,$@ -o $@
+
+libvzctl.a: $(OBJ_libvzctl) $(OBJ_simfs) $(OBJ_logger)
  ar scq $@ $+
  ranlib $@

-$(LIB_vzctl) : $(LIB_fs) $(OBJ_libvzctl)
- $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ $(LD_FLAGS) -shared -o $@
-
vzctl-static: $(OBJ_vzctl) libvzctl.a
  $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ -rdynamic -ldl -lutil -o $@

-vzctl: check-version $(OBJ_vzctl) $(LIB_vzctl) $(LIB_fs)
- $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $(OBJ_vzctl) $(LIB_vzctl) $(LIB_fs) -ldl -lutil -o $@
+vzctl: check-version $(OBJ_vzctl) $(LIB_vzctl) $(LIB_fs) $(LIB_logger)
+ $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $(OBJ_vzctl) $(LIB_vzctl) $(LIB_fs) $(LIB_logger) -ldl
-lutil -o $@

-vzlist: $(OBJ_vzlist) $(LIB_vzctl) $(LIB_fs)
+vzlist: $(OBJ_vzlist) $(LIB_vzctl) $(LIB_logger)
  $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ -o $@

arpsend: $(OBJ_arp)
@@ -127,10 +131,10 @@ arpsend: $(OBJ_arp)
vzsplit: $(OBJ_split)
  $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ -o $@

-vzmemcheck: $(OBJ_memcheck) $(LIB_vzctl)
+vzmemcheck: $(OBJ_memcheck) $(LIB_vzctl) $(LIB_logger)
  $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ -o $@

-vzcfgvalidate: $(OBJ_cfgvalidate) $(LIB_vzctl)
+vzcfgvalidate: $(OBJ_cfgvalidate) $(LIB_vzctl) $(LIB_logger)
  $(CC) $(CFLAGS) $(INC) $(LDFLAGS) $^ -o $@

vzcalc: $(OBJ_calc) $(LIB_vzctl)
@@ -145,6 +149,7 @@ install-lib: $(LIB_vzctl) $(LIB_fs)
  $(INSTALL) -d $(DESTDIR)$(LIBSCRIPTSDIR)
  $(INSTALL) $(LIB_vzctl) $(DESTDIR)$(LIBDIR)/$(LIB_vzctl)
  $(INSTALL) $(LIB_fs) $(DESTDIR)$(LIBDIR)/$(LIB_fs)
+ $(INSTALL) $(LIB_logger) $(DESTDIR)$(LIBDIR)/$(LIB_logger)
  for file in $(LIBSCRIPTS); do \
    $(INSTALL) -m 755 ../etc/$$file $(DESTDIR)$(LIBSCRIPTSDIR)/$$file; \
  done
@@ -208,7 +213,7 @@ inst-dirs:
install: $(PROGS) inst-dirs install-lib inst-sbin inst-scripts \
  inst-netscripts inst-configs inst-initd inst-cron
clean:

```

```

- rm -f *.o lib/*.lo $(PROGS) $(LIB_vzctl) $(LIB_fs) $(LIB_fs) .depend
+ rm -f *.o lib/*.lo $(PROGS) $(LIB_vzctl) $(LIB_fs) $(LIB_logger) .depend

.depend:: $(OBJ:.o=.c) $(LOBJ:.lo=.c)
$(CC) -M $(FLAGS) $(DEPFLAGS) $(INC) $^ >.depend
diff --git a/src/lib/logger.c b/src/lib/logger.c
index 1b18e8e..8432069 100644
--- a/src/lib/logger.c
+++ b/src/lib/logger.c
@@ -30,7 +30,7 @@ #include <sys/file.h>
#include "types.h"
#include "logger.h"

-extern log_param g_log;
+LOG_DATA

static inline void get_date(char *buf, int len)
{
diff --git a/src/vzcalc.c b/src/vzcalc.c
index 71ff02b..5e09809 100644
--- a/src/vzcalc.c
+++ b/src/vzcalc.c
@@ -27,8 +27,6 @@ #include "ub.h"
#include "config.h"
#include "util.h"

-LOG_DATA
-
void usage()
{
printf("Usage: vzcalc [-v] <veid>\n");
diff --git a/src/vzcfgvalidate.c b/src/vzcfgvalidate.c
index 57f3d92..764b0f0 100644
--- a/src/vzcfgvalidate.c
+++ b/src/vzcfgvalidate.c
@@ -26,8 +26,6 @@ #include "config.h"
#include "validate.h"
#include "logger.h"

-log_param g_log;
-
void usage()
{
printf("Usage: vzcfgvalidate [-r|-i] <configfile>\n");
diff --git a/src/vzctl.c b/src/vzctl.c
index 255f20e..62b36cb 100644
--- a/src/vzctl.c
+++ b/src/vzctl.c

```

```
@@ -32,8 +32,6 @@ #include "types.h"
#include "util.h"
#include "modules.h"
```

-LOG_DATA

```
-
struct mod_action g_action;
char *_proc_title;
int _proc_title_len;
diff --git a/src/vzlist.c b/src/vzlist.c
index 3e631ea..53bfc5c 100644
--- a/src/vzlist.c
+++ b/src/vzlist.c
@@ -42,7 +42,6 @@ #include "logger.h"
#include "util.h"
#include "types.h"
```

-LOG_DATA

```
static struct Cveinfo *veinfo = NULL;
static int n_veinfo = 0;

diff --git a/src/vzmemcheck.c b/src/vzmemcheck.c
index cadeab7..bfe1632 100644
--- a/src/vzmemcheck.c
+++ b/src/vzmemcheck.c
@@ -29,8 +29,6 @@ #include "ub.h"
#include "util.h"
#include "logger.h"
```

-LOG_DATA

```
-
void usage()
{
    printf("Usage: vzmemcheck [-v] [-A]\n");
diff --git a/vzctl.spec b/vzctl.spec
index 0e3f166..793bd20 100644
--- a/vzctl.spec
+++ b/vzctl.spec
@@ -5,9 +5,10 @@
%define _dumpdir %{_vzdir}/dump
%define _cachedir %{_vzdir}/template/cache
%define _veipdir /var/lib/vzctl/veip
-%define _libdir /usr/lib/vzctl
+%define _libvzdir /usr/lib/vzctl
+%define _libsriptdir %{_libvzdir}/scripts
%define _configdir /etc/vz
-%define _scriptdir /usr/share/vzctl//scripts
+%define _scriptdir /usr/share/vzctl/scripts
```



```
%define _vpsconffdir /etc/sysconfig/vz-scripts
%define _netdir /etc/sysconfig/network-scripts
%define _logdir /etc/logrotate.d
@@ -156,13 +157,17 @@ Virtual Private Servers control API libr
```

```
%files lib
%defattr(-,root,root)
-%dir %{_libdir}/lib
-%attr(755,root,root) % {_libdir}/lib/libvzctl.so.*
-%attr(755,root,root) % {_libdir}/lib/libvzctl-simfs.so.*
-%attr(755,root,root) % {_libdir}/scripts/vps-stop
-%attr(755,root,root) % {_libdir}/scripts/vps-functions
-%attr(755,root,root) % {_libdir}/scripts/vps-net_add
-%attr(755,root,root) % {_libdir}/scripts/vps-net_del
-%attr(755,root,root) % {_libdir}/scripts/vps-create
-%attr(755,root,root) % {_libdir}/scripts/vps-postcreate
-
+%attr(755,root,root) % {_libdir}/libvzlogger.so.*
+%attr(755,root,root) % {_libdir}/libvzctl.so.*
+%attr(755,root,root) % {_libdir}/libvzctl-simfs.so.*
+%dir % {_libvzdir}
+%dir % {_libsriptdir}
+%attr(755,root,root) % {_libsriptdir}/vps-stop
+%attr(755,root,root) % {_libsriptdir}/vps-functions
+%attr(755,root,root) % {_libsriptdir}/vps-net_add
+%attr(755,root,root) % {_libsriptdir}/vps-net_del
+%attr(755,root,root) % {_libsriptdir}/vps-create
+%attr(755,root,root) % {_libsriptdir}/vps-postcreate
+
+%post lib -p /sbin/ldconfig
+%postun lib -p /sbin/ldconfig

--
ldv
```
