
Subject: [PATCH] vzctl enter: Forward error messages from child process
Posted by [ldv](#) on Thu, 24 Aug 2006 22:39:16 GMT

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vzctl: do_enter():

- In child, redirect stdout and stderr to pipe.
- In parent, read child's output from pipe even if enter failed.

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I need to obtain more information about vzctl enter failure.

For example, if dev/ptmx is not available inside container, vzctl enter just fails with short "enter failed" message.

This patch forwards error messages issued by child process, e.g.

```
# vzctl enter 1234
enter into VPS 1234 failed
Unable to open pty: No such file or directory
```

```
src/enter.c |  7 ++++++-
1 files changed, 6 insertions(+), 1 deletions(-)
```

```
diff --git a/src/enter.c b/src/enter.c
index 69cdd02..e0013df 100644
--- a/src/enter.c
+++ b/src/enter.c
@@ -231,6 +231,8 @@ int do_enter(vps_handler *h, evid_t vei
    close(in[1]); close(out[0]); close(st[0]);
 /* list of skipped fds -1 the end mark */
    close_fds(1, in[0], out[1], st[1], h->vzfd, -1);
+   dup2(out[1], 1);
+   dup2(out[1], 2);
    if ((ret = vz_chroot(root)))
        goto err;
    ret = vz_env_create_ioctl(h, veid, VE_ENTER);
@@ -297,7 +299,10 @@ err:
    raw_on();
    e_loop(fileno(stdin), in[1], out[0], fileno(stdout));
} else {
-   fprintf(stdout, "enter failed\n");
+   fprintf(stdout, "enter into VPS %d failed\n", veid);
+   set_not_blk(out[0]);
+   while (stdredir(out[0], fileno(stdout)) == 0)
+       ;
}
while ((waitpid(pid, &status, 0)) == -1)
    if (errno != EINTR)
```

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