
Subject: Re: [vzctl] exec early script at start
Posted by [Yoann Moulin](#) on Tue, 08 Jan 2008 16:32:53 GMT
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> Hi all,
>
> I'm working on a xen to openvz migration, and I still have some issue to
> fix. but some seem to be not possible yet.
>
> actually, on our diskless servers (xen and others), we are using
> nfsroot. And at start, in the initrd, we are using a script that make a
> connexion on the nfs boot server and remove the old root, create a new
> one, take the last system image build, and re apply configuration with
> cfengine tools.
>
> I'd like to do the same with openvz, but I didn't see in the source this
> possibility.
>
> it could be someting like in src/lib/env.c in the vps_start_custom
> function (in pseudo code) :

> I didn't do C for a while, so I'm not sure I'll be able to do something
> simple and safe.
>
> I'm available to compile and test this until the openvz server should be
> production at the end of next week... but I'll take the time to do all
> the test we need before.
>
> If some can help me on this issue.

I have patched env.c to be able to execute a script before starting a VE

I don't know if it is the best way to do that, but it work for what I need

regards,

Yoann

```
diff -r -u a/vzctl-3.0.22/include/vzerror.h b/vzctl-3.0.22/include/vzerror.h
--- a/vzctl-3.0.22/include/vzerror.h 2007-12-17 14:44:21.000000000 +0100
+++ b/vzctl-3.0.22/include/vzerror.h 2008-01-08 12:53:25.000000000 +0100
@@ -63,7 +63,7 @@
#define VZ_CANT_ADDDIP 34
#define VZ_VALIDATE_ERROR 35
#define VZ_OVERCOMMIT_ERROR 36
-
+#define VZ_EARLY_SCRIPT_ERROR 37
```

```

/*****
  Filesystem erros
  *****/
diff -r -u a/vzctl-3.0.22/src/lib/env.c b/vzctl-3.0.22/src/lib/env.c
--- a/vzctl-3.0.22/src/lib/env.c 2007-12-17 14:44:21.000000000 +0100
+++ b/vzctl-3.0.22/src/lib/env.c 2008-01-08 17:18:14.786271752 +0100
@@ -545,12 +545,15 @@
{
    int wait_p[2];
    int err_p[2];
- int ret, err;
+ int ret, err,early_p;
    char buf[64];
    char *dist_name;
    struct sigaction act;
+ char *command;
+ char *early_script;
    vps_res *res = &param->res;
    dist_actions actions;
+     early_script = strdup("/etc/vz/early_script.sh");

    memset(&actions, 0, sizeof(actions));
    if (check_var(res->fs.root, "VE_ROOT is not set"))
@@ -559,6 +562,28 @@
    logger(-1, 0, "VE is already running");
    return VZ_VE_RUNNING;
}
+
+ if (early_script == NULL) {
+  logger(-1,0,"memory allocation error for early_script");
+  return VZ_EARLY_SCRIPT_ERROR;
+ }
+
+ early_p = open(early_script,O_RDONLY);
+ if ( early_p != -1 ) {
+  logger(0, 0, "early_script.sh started");
+  command = (char*)malloc(3+strlen(early_script)+1+10);
+  sprintf(command,"sh %s %d",early_script,veid);
+  if ( system(command) == 0 ) {
+   logger(0, 0, "early_script.sh finished");
+  } else {
+   logger(-1, 0, "early_script.sh failed");
+   return VZ_EARLY_SCRIPT_ERROR;
+  }
+  free(command);
+ } else {
+  logger(0, 0, "early_script.sh does not exist or is not readable ");
+ }

```

```
+
  if ((ret = check_ub(&res->ub)))
    return ret;
  dist_name = get_dist_name(&res->tmpl);
@@ -661,6 +686,7 @@
  close(wait_p[1]);
  close(err_p[0]);
  close(err_p[1]);
+ close(early_p);

  return ret;
}
```
