
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 something 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 works 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_ADDIP 34
#define VZ_VALIDATE_ERROR 35
#define VZ_OVERCOMMIT_ERROR 36
-
+#define VZ_EARLY_SCRIPT_ERROR 37
```

```
*****
Filesystem errors
*****/
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;  
}
```
