
Subject: NFS-client patch

Posted by [Groening](#) on Fri, 05 May 2006 05:04:18 GMT

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We have a patch by dev to make NFS-client work in VPS:

```
diff -r -u linux-2.6.16-ovz/arch/i386/kernel/process.c
```

```
linux-2.6.16-ovz_with_nfs/arch/i386/kernel/process.c
```

```
--- linux-2.6.16-ovz/arch/i386/kernel/process.c 2006-04-14 12:53:49.000000000 +0000
```

```
+++ linux-2.6.16-ovz_with_nfs/arch/i386/kernel/process.c      2006-04-14 13:01:23.000000000 +0000
```

```
@@ -341,13 +341,6 @@
```

```
{
```

```
    struct pt_regs regs;
```

```
- /* Don't allow kernel_thread() inside VE */
```

```
- if (!ve_is_super(get_exec_env())) {
```

```
-     printk("kernel_thread call inside VE\n");
```

```
-     dump_stack();
```

```
-     return -EPERM;
```

```
- }
```

```
-
```

```
    memset(&regs, 0, sizeof(regs));
```

```
    regs.ebx = (unsigned long) fn;
```

```
diff -r -u linux-2.6.16-ovz/fs/nfs/inode.c linux-2.6.16-ovz_with_nfs/fs/nfs/inode.c
```

```
--- linux-2.6.16-ovz/fs/nfs/inode.c 2006-04-14 12:53:17.000000000 +0000
```

```
+++ linux-2.6.16-ovz_with_nfs/fs/nfs/inode.c 2006-04-14 12:58:40.000000000 +0000
```

```
@@ -1721,7 +1721,7 @@
```

```
    .name      = "nfs",
```

```

    .get_sb      = nfs_get_sb,
    .kill_sb     = nfs_kill_super,
-   .fs_flags   = FS_ODD_RENAME|FS_REVAL_DOT|FS_BINARY_MOUNTDATA,
+   .fs_flags   =
FS_ODD_RENAME|FS_REVAL_DOT|FS_BINARY_MOUNTDATA|FS_VIRTUALIZED,
};

```

```

#ifdef CONFIG_NFS_V4

```

```

diff -r -u linux-2.6.16-ovz/kernel/exit.c linux-2.6.16-ovz_with_nfs/kernel/exit.c

```

```

--- linux-2.6.16-ovz/kernel/exit.c    2006-04-14 12:53:49.000000000 +0000

```

```

+++ linux-2.6.16-ovz_with_nfs/kernel/exit.c  2006-04-14 13:00:32.000000000 +0000

```

```

@@ -276,9 +276,6 @@

```

```

{

```

```

    struct task_struct *curr = current->group_leader;

```

```

-   WARN_ON(is_virtual_pid(pgrp));

```

```

-   WARN_ON(is_virtual_pid(session));

```

```

-

```

```

    if (curr->signal->session != session) {

```

```

        detach_pid(curr, PIDTYPE_SID);

```

```

        curr->signal->session = session;

```

```

diff -r -u linux-2.6.16-ovz/net/sunrpc/rpc_pipe.c linux-2.6.16-ovz_with_nfs/net/sunrpc/rpc_pipe.c

```

```

--- linux-2.6.16-ovz/net/sunrpc/rpc_pipe.c    2006-04-14 12:53:20.000000000 +0000

```

```

+++ linux-2.6.16-ovz_with_nfs/net/sunrpc/rpc_pipe.c  2006-04-14 12:59:46.000000000 +0000

```

```
@ @ -824,6 +824,7 @ @
```

```
.name      = "rpc_pipefs",  
.get_sb    = rpc_get_sb,  
.kill_sb   = kill_litter_super,  
+ .fs_flags = FS_VIRTUALIZED,  
  
};
```

```
static void
```

and this work, but if we apply patch where will be removed piece:

```
diff -r -u linux-2.6.16-ovz/arch/i386/kernel/process.c
```

```
linux-2.6.16-ovz_with_nfs/arch/i386/kernel/process.c
```

```
--- linux-2.6.16-ovz/arch/i386/kernel/process.c 2006-04-14 12:53:49.000000000 +0000
```

```
+++ linux-2.6.16-ovz_with_nfs/arch/i386/kernel/process.c    2006-04-14 13:01:23.000000000  
+0000
```

```
@ @ -341,13 +341,6 @ @
```

```
{  
  
    struct pt_regs regs;  
  
- /* Don't allow kernel_thread() inside VE */  
- if (!ve_is_super(get_exec_env())) {  
-     printk("kernel_thread call inside VE\n");  
-     dump_stack();  
-     return -EPERM;  
- }  
-  
    memset(&regs, 0, sizeof(regs));
```

regs.ebx = (unsigned long) fn;

this patch also will be works.

Attention! Questions:

- 1) If this patch work, why it don't included in distributive?
 - 2) Why if we removed piece, which turn on kernel threads in VPS, this patch is also works?
 - 3) And why in openvz turned off kernel threads? (more technical details please)
-