
Subject: [PATCH] [openvz] printk: Handle global log buffer reallocation

Posted by [maximilian attems](#) on Tue, 19 Oct 2010 08:11:11 GMT

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From: Ben Hutchings <ben@decadent.org.uk>

Subject: [PATCH] [openvz] printk: Handle global log buffer reallocation

Date: Sun, 17 Oct 2010 02:24:28 +0100

Currently an increase in log_buf_len results in disaster, as
ve0.log_buf is left pointing to the old log buffer.

Update ve0.log_buf when the global log buffer is reallocated. Also
acquire logbuf_lock before reading ve_log_buf_len, to avoid a race
with reallocation.

Reported-and-tested-by: Tim Small <tim@seoss.co.uk>

Signed-off-by: Ben Hutchings <ben@decadent.org.uk>

Signed-off-by: maximilian attems <max@stro.at>

below patch fixes <http://bugs.debian.org/600299>

```
--- a/kernel/printk.c
+++ b/kernel/printk.c
@@ -198,6 +198,9 @@
     spin_lock_irqsave(&logbuf_lock, flags);
     log_buf_len = size;
     log_buf = new_log_buf;
+#ifdef CONFIG_VE
+    ve0.log_buf = log_buf;
#endif
```

```
    offset = start = min(con_start, log_start);
    dest_idx = 0;
@@ -354,9 +357,9 @@
    if (ve_log_buf == NULL)
        goto out;
    count = len;
+    spin_lock_irq(&logbuf_lock);
    if (count > ve_log_buf_len)
        count = ve_log_buf_len;
-    spin_lock_irq(&logbuf_lock);
    if (count > ve_logged_chars)
        count = ve_logged_chars;
    if (do_clear)
```
