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>

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belows 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)
```