

6 messages

Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Juergen Gross <jgross@suse.com>, Boris Ostrovsky <boris.ostrovsky@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, linux-kernel@vger.kernel.org

Mon, Jun 11, 2018 at 11:46 PM

This patch adds error-handling code after calling `xenbus_printf`.

```
drivers/xen/xen-scsiback.c | 15 ++++++-----
1 file changed, 9 insertions(+), 6 deletions(-)
```

2.7.4

Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Juergen Gross <jgross@suse.com>, Boris Ostrovsky <boris.ostrovsky@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, linux-kernel@vger.kernel.org

Fri, Jun 15, 2018 at 1:06 PM

This patch adds error-handling code after calling `xenbus_printf`.

```

v1->v2:
- Use xenbus_dev_error to report errors.
=====
drivers/xen/xen-scsiback.c | 18 ++++++++-----
1 file changed, 12 insertions(+), 6 deletions(-)

```

2.7.4

To: linux-kernel-owner@vger.kernel.org

Fri, Jun 15, 2018 at 3:22 PM

[auto build test ERROR on xen-tip/linux-next]
[also build test ERROR on v4.17 next-20180615]
[if your patch is applied to the wrong git tree, please drop us a note to help improve the system]

```
# save the attached .config to linux build tree
make ARCH=i386
```

All errors (new ones prefixed by >>):

```
drivers/xen/xen-scsiback.c: In function 'scsiback_do_add_lun':
>> drivers/xen/xen-scsiback.c:1032:32: error: 'err' undeclared (first use in this function)
    xenbus_dev_error(info->dev, err,
```

drivers//xen/xen-scsiback.c:1032:32: note: each undeclared identifier is reported only once for each function it appears in

```
vim +/err +1032 drivers//xen/xen-scsiback.c
```

```

1009
1010 static void scsiback_do_add_lun(struct vcsibk_info *info, const char *state,
1011                               char *phy, struct ids_tuple *vir, int try)
1012 {
1013     struct v2p_entry *entry;

```

```
1014         unsigned long flags;
1015     }
1016     if (try) {
1017         spin_lock_irqsave(&info->v2p_lock, flags);
1018         entry = scsiback_chk_translation_entry(info, vir);
1019         spin_unlock_irqrestore(&info->v2p_lock, flags);
1020         if (entry)
1021             return;
1022     }
1023     if (!scsiback_add_translation_entry(info, phy, vir)) {
1024         if (xenbus_printf(XBT_NIL, info->dev->nodename, state,
1025             "%d", XenbusStateInitialised)) {
1026             pr_err("xenbus_printf error %s\n", state);
1027             scsiback_del_translation_entry(info, vir);
1028         }
1029     } else if (!try) {
1030         if (xenbus_printf(XBT_NIL, info->dev->nodename, state,
1031             "%d", XenbusStateClosed))
1032             xenbus_dev_error(info->dev, err,
1033                 "%s: writing %s", __func__, state);
1034     }
1035 }
1036
---
0-DAY kernel test infrastructure      Open Source Technology Center
https://lists.01.org/pipermail/kbuild-all      Intel Corporation
```



.config.gz
32K

Zhouyang Jia <jiazhouyang09@gmail.com>
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Fri, Jun 15, 2018 at 8:14 PM

When xenbus_printf fails, the lack of error-handling code may cause unexpected results.

This patch adds error-handling code after calling xenbus_printf.

Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>

v1->v2:
- Use xenbus_dev_error to report errors.
v2->v3:
- Fix compilation errors.

drivers/xen/xen-scsiback.c | 16 ++++++++-----
1 file changed, 13 insertions(+), 3 deletions(-)

```
diff --git a/drivers/xen/xen-scsiback.c b/drivers/xen/xen-scsiback.c
index 7bc88fd..e2f3e8b 100644
--- a/drivers/xen/xen-scsiback.c
+++ b/drivers/xen/xen-scsiback.c
@@ -1012,6 +1012,7 @@ static void scsiback_do_add_lun(struct vcsibk_info *info, const char *state,
 {
     struct v2p_entry *entry;
     unsigned long flags;
+    int err;

     if (try) {
         spin_lock_irqsave(&info->v2p_lock, flags);
@@ -1027,8 +1028,11 @@ static void scsiback_do_add_lun(struct vcsibk_info *info, const char *state,
         scsiback_del_translation_entry(info, vir);
     }
     } else if (!try) {
-        xenbus_printf(XBT_NIL, info->dev->nodename, state,
-            err = xenbus_printf(XBT_NIL, info->dev->nodename, state,
+                "%d", XenbusStateClosed);
+
+        if (err)
+            xenbus_dev_error(info->dev, err,
+                "%s: writing %s", __func__, state);
     }
 }

@@ -1067,8 +1071,11 @@ static void scsiback_do_1lun_hotplug(struct vcsibk_info *info, int op,
     snprintf(str, sizeof(str), "vscsi-devs/%s/p-dev", ent);
     val = xenbus_read(XBT_NIL, dev->nodename, str, NULL);
     if (!IS_ERR(val)) {
-        xenbus_printf(XBT_NIL, dev->nodename, state,
-            err = xenbus_printf(XBT_NIL, dev->nodename, state,
+                "%d", XenbusStateClosed);
+
+        if (err)
+            xenbus_dev_error(info->dev, err,
+                "%s: writing %s", __func__, state);
         return;
     }
     stricmp(phy, val, VSCSI_NAMELEN);
@@ -1079,8 +1086,11 @@ static void scsiback_do_1lun_hotplug(struct vcsibk_info *info, int op,
     err = xenbus_scanf(XBT_NIL, dev->nodename, str, "%u:%u:%u:%u",
         &vir.hst, &vir.chn, &vir.tgt, &vir.lun);
     if (XENBUS_EXIST_ERR(err)) {
-        xenbus_printf(XBT_NIL, dev->nodename, state,
-            err = xenbus_printf(XBT_NIL, dev->nodename, state,
+                "%d", XenbusStateClosed);
+
+        if (err)
+            xenbus_dev_error(info->dev, err,
+                "%s: writing %s", __func__, state);
         return;
     }
 }
```

2.7.4

Juergen Gross <jgross@suse.com>
To: Zhouyang Jia <jiazhouyang09@gmail.com>
Cc: Boris Ostrovsky <boris.ostrovsky@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, linux-kernel@vger.kernel.org

Tue, Jun 19, 2018 at 8:52 AM

On 16/06/18 02:14, Zhouyang Jia wrote:
> When xenbus_printf fails, the lack of error-handling code may
> cause unexpected results.
>
> This patch adds error-handling code after calling xenbus_printf.
>
> Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>

Reviewed-by: Juergen Gross <jgross@suse.com>

Juergen

Juergen Gross <jgross@suse.com>
To: Zhouyang Jia <jiazhouyang09@gmail.com>
Cc: Boris Ostrovsky <boris.ostrovsky@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, linux-kernel@vger.kernel.org

Tue, Jun 19, 2018 at 9:01 AM

On 16/06/18 02:14, Zhouyang Jia wrote:
> When xenbus_printf fails, the lack of error-handling code may
> cause unexpected results.
>
> This patch adds error-handling code after calling xenbus_printf.
>
> Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>

Pushed to xen/tip.git for linux-4.18

Juergen