

[PATCH] scsi: xen-scsifront: add error handling for xenbus_printf

Zhouyang Jia sjiazhouyang09@gmail.com>

Co: Zhouyang Jia sjiazhouyang09@gmail.com>, Juergen Gross sjgross@suse.com>, Boris Ostrovsky storis.ostrovsky@oracle.com>, "James E.J. Bottomley" sjejb@linux.vnet.ibm.com>, "Martin K. Petersen" <martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, linux-kernel@yger.kernel.org

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> diff --git a/drivers/scsi/xen-scsifront.c b/drivers/scsi/xen-scsifront.c index 36f59a1 .3d858ac 100644 -- a/drivers/scsi/xen-scsifront.c -- a/drivers/scsi/xen-scsifront.c -- a/drivers/scsi/xen-scsifront.c -- (@@ -654.1 0 - 654.1 7 @@ astatic int scsifront_dev_reset_handler(struct scsi_cmnd *sc) static int scsifront_sdev_configure(struct scsi_device *sdev) struct vscsifmt_info *info = shost_priv(sdev->host); struct xenbus_device *dev = info->dev; int err; if (err) { dev_err(&dev->dev, "writing dev_state_path\n");
return err; return 0; }
@@ -665,10 +672,15 @@ static int scsifront_sdev_configure(struct scsi_device *sdev)
static void scsifront_sdev_destroy(struct scsi_device *sdev) struct vscsifmt_info *info = shost_priv(sdev->host); struct xenbus_device *dev = info->dev; int err; if (info && current == info->curr)
xenbus_printf(XBT_NIL, info->dev->nodename,
if (info && current == info->curr) {
err = xenbus_printf(XBT_NIL, info->dev->nodename,
info->dev_state_path, %d*, XenbusStateClosed);

**Control of the control of the current info->dev->nodename,
info->dev_state_path, %d*, XenbusStateClosed);

**Control of the current info->dev->nodename,
info->dev_state_path, %d*, XenbusStateClosed); if (err)
dev_err(&dev->dev, "writing dev_state_path\n"); static struct scsi_host_template scsifront_sht = {
@@ -1003,9 +1015,11 @@ static void scsifront_do_lun_hotplug(struct vscsifrnt_info *info, int op) if (scsi_add_device(info->host, chn, tgt, lun)) {
 dev_err(&dev.>dev, "scsi_add_device(n');
 xenbus_printf(XBT_NIL, dev.>nodename,
 err = xenbus_printf(XBT_NIL, dev.>noder
 info->clav_state_note. info->dev_state_path, "%d", XenbusStateClosed); if (err) dev_err(&dev->dev, "writing dev_state_path\n"); } break: case VSCSIFRONT_OP_DEL_LUN: @@ -1019;10 +1033,13 @@ static vold scsifront_do_lun_hotplug(struct vscsifmt_info *info, int op) vices of the control o "%d", XenbusStateConnected);

if (err)

dev_err(&dev->dev, "writing dev_state_path\n") break: default break 274

Finn Thain fhin Thain <pr

To: Zhouyang Jia mailto:apartouyang09@gmail.com
Co: Juergen Gross gmailto:apartouyang09@gmail.com
To: Juergen Gross gmailto:apartouyang09@gmailtouyang

```
> 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
 > diff --git a/drivers/scsi/xen-scsifront.c b/drivers/scsi/xen-scsifront.c
  > oiff -git addriversisessixen-essifront to profiversisessixen-essifront.c
> index_36f58a_1.3d858a_100644
> --- addriversisessixen-essifront.c
> +++ bidviversisessixen-essifront.c
> c
> 60, 654, 10 +654, 17 @ gatatic int essifront_dev_reset_handler(struct scsi_cmnd *sc)
> static int sessifront_sdev_configure(struct scsi_device *sdev)
 > if (info && current == info->curr)
- xenbus_printf(XBT_NIL, info->dev->nodename,
+ if (info && current == info->curr) {
+ err = xenbus_printf(XBT_NIL, info->dev->nodename,
- info->dev_state_path, "%d", XenbusStateConnected);
  The existing code checks whether 'info' is NULL before dereferencing it. But your patch checks for NULL after dereferencing.
                                dev_err(&dev->dev, "writing dev_state_path\n");
return err;
>+
>+
>+
>+
}
     > )
> @@ -665,10 +672,15 @@ static int scsifront_sdev_configure(struct scsi_device *sdev)
> static void scsifront_sdev_destroy(struct scsi_device *sdev)

    @@ -665,10 +672,15 @@ static int scaffront_sdev_cost
    static void scaffront_sdev_destroy(struct scal_device *static void scaffront_sdev_destroy(struct scal_device *struct vscaffrot_info = shost_priv(sdev->host);
    struct xenbus_device *dev = info->dev;
    int err;

> if (info && current == info->curr)
>- if (info && current == info->curr)
>- if (info && current == info->curr) {
+ if (info && current == info->curr) {
+ err = xenbus_printf(XBT_NIL, info->dev->nodename,
+ info->dev_state_path, "%d", XenbusStateClosed);
  Same here.
                   if (err)
dev_err(&dev->dev, "writing dev_state_path\n");
```

On Tue, 12 Jun 2018, Zhouyang Jia wrote

> static struct scsi_host_template scsifront_sht = {

Thu, Jun 14, 2018 at 4:13 AM

```
Zhouyang Jia <jiazhouyang09@gmail.com>
Thu, Jun 14, 20
To: Finn Thain <thain@idelegraphics.com.au>
Cc: Junergn Gross <jgross@suse.com>, Boris Ostrovsky &boris.ostrovsky@oracle.com>, "James E.J. Bottomley" <jejb@linux.vnet.ibm.com>, "Martin K. Petersen" <martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, Linux Kernel Mailing List linux-kernel@vger.kernel.org>
Thu, Jun 14, 20
Thu, Jun 14
```

Sorry for the mistakes. I'll fix this in v2.

Zhouyang Jia <jiazhouyang09@gmail.com>
Thu, Jun 14, 2018 at 12:08 PM
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Juergen Gross <jgross@suse.com>, Boris Ostrovsky@oracle.com>, "James E.J. Bottomley" <jejb@linux.vnet.ibm.com>, "Martin K. Petersen" <martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, linux-kernel@yer.kernel.org.

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.co v1->v2:
- Fix dereferencing before checking diff --git a/drivers/scsi/xen-scsifront.c b/drivers/scsi/xen-scsifront.c index 36f59a1..a7f6111 100644 struct vscsifrnt_info *info = shost_priv(sdev->host);
+ int err: if (info && current == info->curr)
xenbus_printf(XBT_NIL, info->dev->nodename,
if (info && current == info->curr) {
err = xenbus_printf(XBT_NIL, info->dev->nodename,
info->dev_state_path, "%d", XenbusStateConnected); rr) {
 dev_err(&info->dev->dev, "writing dev_state_path\n");
 return err; return 0: }
@@ -665,10 +671,14 @@ static int scsifront_sdev_configure(struct scsi_device *sdev)
static void scsifront_sdev_destroy(struct scsi_device *sdev) struct vscsifrnt_info *info = shost_priv(sdev->host); if (info && current == info->curr)
xenbus_printf(XBT_NIL, info->dev->nodename,
if (info && current == info->curr) {
err = xenbus_printf(XBT_NIL, info->dev->nodename,
info->dev_state_path, %d*, XenbusStateClosed);
if (ex) info->dev_state_pau,
if (err)
dev_err(&info->dev->dev, "writing dev_state_path\n"); if (scsi_add_device(info->host, chn, tgt, lun)) {
 dev_err(&dev->dev, *scsi add_devicein*);
 xenbus_printf(XBT_NIL_dev->noderinfo-noderinfo-dev_state_path,
 dev->dev_state_path,
 %d, XenbusStateClosed); dev_err(&dev->dev, "writing dev_state_path\n"); }
break;
case VSCSIFRONT_OP_DEL_LUN:
@@ -1019,10 +1031,13 @@ static void scsifront_do_lun_hotplug(struct vscsifmt_info *info, int op)

Thu, Jun 14, 2018 at 5:54 PM Boris Ostrovsky <boris.ostrovsky@oracle.com>

To: Zhouyang Jia «jiazhouyang09@gmail.com>
Cc: Juergen Gross «jgross@suse.com>, "James E.J. Bottomley" «jejb@linux.vnet.ibm.com>, "Martin K. Petersen" «martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, linux-kernel@vger.kernel.org

These errors should be reported using xenbus dev error(). And the second patch too -boris

Zhouyang Jia - jiazhouyang09@gmail.com> Thu, Jun 14, 2018 at 6:59 PM Cc: Zhouyang Jia - jiazhouyang09@gmail.com>, Juergen Gross - jgross@suse.com>, Boris Ostrovsky - boris ostrovsky@oracle.com>, "James E.J. Bottomley" - jejb@linux.vnet.ibm.com>, "Martin K. Petersen" - martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kenel.org, linux-scsi@vger.kenel.org 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:
- Fix dereferencing before checking v2->v3:
- Use xenbus_dev_error to report errors diff --git a/drivers/scsi/xen-scsifront.c b/drivers/scsi/xen-scsifront.c index 36f59a1..644d1ce 100644 +++ b/drivers/scsi/xen-scsifront.c @@ -554,10 +654,17 @@ static int scsifront_dev_reset_handler(struct scsi_cmnd *sc) static int scsifront_sdev_configure(struct scsi_device *sdev) struct vscsifmt_info *info = shost_priv(sdev->host);
+ int err; into->dev_state_path, "%d", XenbusStateU
if (err) {
 xenbus_dev_error(&info->dev->dev, err,
 "%s: writing dev_state_path", __func__);
 return err; } @@ -665,10 +672,15 @@ static int scsifront_sdev_configure(struct scsi_device *sdev) static void scsifront_sdev_destroy(struct scsi_device *sdev) struct vscsifmt_info *info = shost_priv(sdev->host);
+ int err; if (info && current == info->curr)
xenbus_printf(XBT_NIL, info->dev->nodename,
if (info && current == info->curr) {
er= r=xenbus_printf(XBT_NIL, info->dev->nodename,
info->dev_state_path, "%d", XenbusStateClosed);
if (info->dev_state_path, XenbusStateClosed);
if

if (err)

xenbus_dev_error(&info->dev->dev, err,

"%s: writing dev_state_path", __func__);

}

```
static struct scsi_host_template scsifront_sht = {
@@ -1003,9 +1015,12 @@ static void scsifront_do_lun_hotplug(struct vscsifrnt_info *info, int op)
                          if (scsi_add_device(info->host, chn, tgt, lun)) {
                                 dev_err(&dev->dev, "scsi_add_device\n");
xenbus_printf(XBT_NIL, dev->nodename,
err = xenbus_printf(XBT_NIL, dev->noden
info->dev_state_path,
"%d", XenbusStateClosed);
                                 break:
case VSCSIFRONT_OP_DEL_LUN:
@@ -1019,10 +1034,14 @@ static void scsifront_do_lun_hotplug(struct vscsifrnt_info *info, int op)
                | Track;
| Case VSCSIFRONT_OP_READD_LUN:
| If (device_state == XenbusStateConnected) |
| xenbus_print(XBT_NIL, dev->nodename, |
| If (device_state == XenbusStateConnected) |
| err == xenbus_print(XBT_NIL, dev->node |
| if (device_state == XenbusStateConnected) |
| "%d", XenbusStateConnected) |
| "%d", XenbusStateConnected) |
                                 if (err)
xenbus_dev_error(&dev->dev, err,
"%s: writing dev_state_path", __func__);
   [Quoted text hidden]
kbuild test robot < kp@intel.com>
Thu, Jun 14, 2018 at 7:5
To: linux-scsl-owner@yer.kernel.org
To: kinux-scsl-owner@yer.kernel.org
To: kinux-scsl-owner@yer.kernel.org
To: kinux-scsl-owner@yer.kernel.org, linux-kernel@yer.kernel.org, linux-kernel@yer.kernel.org, linux-kernel@yer.kernel.org, linux-kernel@yer.kernel.org
                                                                                                                                                                                                                                                                                                                                                                                                                             Thu. Jun 14, 2018 at 7:50 PM
   Thank you for the patch! Yet something to improve
  [auto build test ERROR on xen-tip/linux-next]
[also build test ERROR on v4.17 next-20180614]
[if your patch is applied to the wrong git free, please drop us a note to help improve the system]
  url: https://github.com/0day-cl/inux/commits/linux-scsi-owner-yeer-kern base: https://git.kernel.org/pub/scm/linux/kernel/git/xen/lip.git linux-next config: 1386-randconfig-x010-201823 (attached as .config) compiler.go-7 (Debian 7.3.0-16) 7.3.0 reproduce:
                                                                                                                  nel-org/scsi-xen-scsifront-add-error-handling-for-xenbus_printf/20180615-070404
          # save the attached .config to linux build tree
make ARCH=i386
   All errors (new ones prefixed by >>):
     In file included from drivers/scsi/xen-scsifront.c:50:0: include/xen/xenbus.h:224:6: note: expected 'struct xenbus_device " but argument is of type 'struct device 'void xenbus_dev_error(struct xenbus_device 'dev, int err, const char 'fmt, ...);
     xenbus_dev_error(&info->dev->dev, err,
      In file included from drivers/scsi/xen-scsifront.c:50:0: include/xen/xenbus.h:224:6: note: expected 'struct xenbus_device " but argument is of type 'struct device " void xenbus_dev_error(struct xenbus_device "dev, int err, const char "fmt, ...);
     drivers/scsi/xen-scsifront.c: In function 'scsifront_do_lun_hotplug':
drivers/scsi/xen-scsifront.c: 102:2:3: error: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type [-Werror=incompatible-pointer-types]
xenbus_dev_error(xdev-xdev_err,
     In file included from drivers/scsi/xen-scsifront.c:50:0: include/xen/xenbus.h.224.6: note: expected 'struct xenbus_device " but argument is of type 'struct device " void xenbus_deve_error(struct xenbus_device 'dev_int err, const char "fmt, ...);
     drivers/scsi/xen-scsifront.c:1042:23: error: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type [-Werror=incompatible-pointer-types]
            xenbus dev error(&dev->dev, err
     In file included from drivers/scsil/xen-scsifront.c:50.0: include/xen/xenbus_hz244.6: note: expected 'struct xenbus_device " but argument is of type 'struct device " void xenbus_dev_error(struct xenbus_device " dev, int err, const char "fimt, ...);
     cc1: some warnings being treated as errors
   vim +/xenbus_dev_error +663 drivers/scsi/xen-scsifront.c
     usa 684 static int scsifront_sdev_configure(struct scsi_device *sdev) 685 {
686 struct vscsifr_info *info = shost_priv(sdev.>host);
687 int r_info *info = shost_priv(sdev.>host);
     658
659
660
661
662
> 663
                    if (info && current == info > curr) {
    err = xenbus_printf(XBT_NIL, info > dev.> nodename,
    info > dev_state_path, "%d", XenbusStateConnected);
                           if (err) {
    xenbus_dev_error(&info->dev.>dev, err,
    "%s: writing dev_state_path", __func__);
     664
665
666
667
668
669
                  }
                    return 0;
   0-DAY kernel test infrastructure https://lists.01.org/pipermail/kbuild-all Intel Corporation
    .config.gz
Thu, Jun 14, 2018 at 9.48 PM
Cc: Zhouyang Jia - jiazhouyang09@gmail.com>
Cc: Zhouyang Jia - jiazhouyang09@gmail.com>, "Martin K. Petersen" < martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@yegr.kernel.org, linux-kernel@yegr.kernel.org
   When xenbus printf fails, the lack of error-handling code may
   This patch adds error-handling code after calling xenbus_printf.
   Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>
   ---
v1->v2:
- Fix dereferencing before checking.
v2->v3:
   v2->v3.

- Use xenbus_dev_error to report errors v3->v4:

- Fix compilation errors.
    diff --git aldrivers/scsi/xen-scsifront.c b/drivers/scsi/xen-scsifront.c index 38f59a1.be576cb 100644 -- aldrivers/scsi/xen-scsifront.c -- aldrivers/scsi/xen-scsifront.c -- t++ bidrivers/scsi/xen-scsifront.c -- (8@ -554.10 +654.17 @@ static int scsifront_dev_reset_handler(struct scsi_cmnd *sc) static int scsifront_sdev_configure(struct scsi_device *sdev)
  struct vscsifmt_info *info = shost_priv(sdev->host);
+ int err;
         if (info && current == info->curr)
xenbus_printf(XBT_NIL, info->dev->nodename,
if (info && current == info->curr) {
err = xenbus_printf(XBT_NIL, info->dev->nodename,
info->dev_state_path, "%d", XenbusStateConnected);

***Construction**
                  if (err) {
    xenbus_dev_error(&info->dev, err,
    "%s: writing dev_state_path", __func__);
   / @@ -665,10 +672,15 @@ static int scsifront_sdev_configure(struct scsi_device *sdev) static void scsifront_sdev_destroy(struct scsi_device *sdev)
```

```
if (err)
xenbus_dev_error(&info->dev, err,
"%s: writing dev_state_path", __func__)
       static\ struct\ scsi\_host\_template\ scsiffront\_sht = \{ \\ @@\ -1003.9\ +1015.12\ @@\ static\ void\ scsiffront\_do\_lun\_hotplug(struct\ vscsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffront\_do\_lun\_hotplug(struct\ vscsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffront\_do\_lun\_hotplug(struct\ vscsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ static\ void\ scsiffrnt\_info\ *info,\ int\ op) \} \\ = (1003.9\ +1015.12\ @@\ scsiffrnt\_info\ *info,\ int\ op
                                                   if (err)
                                                                                         rr)
xenbus_dev_error(dev, err,
"%s: writing dev_state_path", __func__);
      }
break;
break;
case VSCSIFRONT_OP_DEL_LUN:
@@ -1019.10 +1034.14 @@ static void scaffont_do_lun_hotplug(struct vscsiffrnt_info *info, int op)
                                                  break; e VSCSIFRONT_OP_READD_LUN:

if (device_state == XenbusStateConnected)

xenbus_printf(XBT_NLI, dev->nodename,
if (device_state == XenbusStateConnected) {
    err = xenbus_printf(XBT_NLI, dev->node;
    info->dev_state_path,
        "%d", XenbusStateConnected);
                                                                     if (err)
xenbus_dev_error(dev, err,
"%s: writing dev_state_path", __func__);
 kbuild test robot < lkp@intel.com>
To: linux-scsi-owner@vger.kernel.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Thu. Jun 14, 2018 at 10:32 PM
 Cc: kbuild-ali@01 org, Zhouyang Jia <jiazhouyang09@gmail.com>, Juergen Gross <jgross@suse.com>, Boris Ostrovsky <boris.ostrovsky@oracle.com>, "James E.J. Bottomley" <jejb@linux.vnet.ibm.com>, "Martin K. Petersen" <martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kernel.org, linux-kernel@vger.kernel.org
      Thank you for the patch! Perhaps something to improve
      [auto build test WARNING on xen-tip/linux-next]
[also build test WARNING on v4.17 next-20180614]
[if your patch is applied to the wrong git tree, please drop us a note to help improve the system]
       url: https://github.com/0day-ci/linux/commits/linux-scsi-owner
                                                                                                                                                                                                                                                              rg/scsi-xen-scsifront-add-error-handling-for-xenbus printf/20180615-070404
       base: https://git.kernel.org/pub/scm/linux/kernel/git/kernl/j.git linux-next
config: 1386-randconfig-sb0-06140922 (attached as .config)
compiler: gcc-4.9 (Debian 4.9.4-2) 4.9.4
reproduce:
                      # save the attached .config to linux build tree
make ARCH=i386
       All warnings (new ones prefixed by >>):
       drivers//scsi/xen-scsifront.c: in function 'scsifront_sdev_configure':
>> drivers//scsi/xen-scsifront.c682.1: warning: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type xenbus_dev_error(kinfo->dev->dev,err,
            In file included from drivers//scsi/xen-scsifront.c:50.0: include/xen/xenbus.h:224.6: note: expected 'struct xenbus_device " but argument is of type 'struct device " void xenbus_dev_error(struct xenbus_device " dev_i, int err, const char 'fmt, ...);
             ^rest/scsi/xen-scsifront.c: In function 'scsifront_sdev_destroy':
drivers//scsi/xen-scsifront.c:681:21: warning: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type
xenbus_dev_error(&info->dev.>dev, err,
            In file included from drivers//scsi/xen-scsi/front.c:50·0: include/xen/xenbus h.224-6: note: expected struct xenbus_device " but argument is of type 'struct device ' void xenbus_dev_error(struct xenbus_device ' dev_i, int err, const char 'fmt, ...);
            drivers//scsi/xen-scsifront.c: In function 'scsifront_do_lun_hotplug': drivers//scsi/xen-scsifront.c: 1022.23: warning: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type xenbus_dev_error(dev-yedve, err,
            In file included from drivers//scsi/xen-scsifront.c:50:0: include/xen/xenbus.h:224:6: note: expected 'struct xenbus_device " but argument is of type 'struct device " void xenbus_dev_error(struct xenbus_device "dev, int err, const char "fmt, ...);
             drivers//scsi/xen-scsifront.c:1042:23: warning: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type xenbus_dev_error(&dev.>dev,err,
             In file included from drivers//scsil/xen-scsiffront.c.50:0: include/xen/xenbus.h.224.6: note: expected 'struct xenbus_device " but argument is of type 'struct device " void xenbus_deve_reror(struct acenbus_device " devi, int err, const char "fmt, ...);
       vim +/xenbus_dev_error +663 drivers//scsi/xen-scsifront.c
         .config.gz
32K
kbuild test robot < kp@intel.com>
Fri, Jun 15, 2018 at 1:4
To: linux-scsi-owner@yger.kemel.org
Cc: kbuild-all@01.org, Zhouyang Jia < jazhouyang09@gmail.com>, Juergen Gross < jgross@suse.com>, Boris Ostrovsky <boris.ostrovsky@oracle.com>, "James E.J. Bottomley" < jejb@linux.vnet.ibm.com>, "Martin K. Petersen" <martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@yger.kemel.org
linux-kernel@yger.kemel.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Fri, Jun 15, 2018 at 1:44 AM
      Thank you for the patch! Perhaps something to impro
      [auto build test WARNING on xen-tip/linux-next]
[also build test WARNING on v4.17 next-20180614]
[if your patch is applied to the wrong git tree, please drop us a note to help improve the system]
    url: https://github.com/0day-cl/linux/commits/linux-scsi-owner-vger-kern
base: https://git.kernel.org/pub/scm/linux/kernel/git/xen/tip.git linux-next
reproduce:
# apt-get install sparse
make ARCH=x86 64 allmodconfig
make C=1 CF=-D_CHECK_ENDIAN_
                                                                                                                                                                                                                                            rnel-org/scsi-xen-scsifront-add-error-handling-for-xenbus_printf/20180615-070404
       sparse warnings: (new ones prefixed by >>)
            drivers/scsi/xen-scsifront.c:267.21: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c:440.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c440.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c473.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c473.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c473.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c474.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/xen-scsi/x
         crivers/scsi/ken-scsifront.c474:33: sparse: expression using sizeof(void)
drivers/scsi/ken-scsifront.c474:33: sparse: expression using sizeof(void)
drivers/scsi/ken-scsifront.c663:47: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c663:47: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c663:47: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c683:47: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c681:47: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c681:47: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c1022:59: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c1022:59: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c1022:59: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c1022:59: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c1022:59: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c1022:59: sparse: incorrect type in argument 1 (different base types) @@
drivers/scsi/ken-scsifront.c1022:59: sparse: expression using sizeof(void)
drivers/scsi/ken-scsifront.c1042:59: sparse: expression using sizeof(void)
drivers/scsi/ken-scsifront.c1046:19: sparse: expression using sizeof(void)
drivers/scsi/ken-scsifront.c1065:19: sparse: expression using sizeof(void)
drivers/scsi/ken-scsifront.c1
             In file included from drivers/scsi/xen-scsifront.c:50:0:
              include/xen/xenbus.h:224:6: note: expected 'struct xenbus_device *' but argument is of type 'struct device *' void xenbus_dev_error(struct xenbus_device *dev, int err, const char *fmt, ...);
             Advers/scs//xen-scs/front.c: In function 'scs/front_sdev_destroy':
drivers/scs//xen-scs/front.c: B1:21: error: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type [-Werror=incompatible-pointer-types]
xenbus_dev_error(&info->dev->dev, error
```

struct vscsifrnt_info *info = shost_priv(sdev int err:

In file included from drivers/scsi/xen-scsifront.c:50:0

```
drivers/scsi/xen-scsifront.c: In function 'scsifront_do_lun_hotplug':
drivers/scsi/xen-scsifront.c: 1022.23: error: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type [-Werror=incompatible-pointer-types]
xenbus_dev_error(&dev->dev, err,
             In file included from drivers/scsi/xen-scsifront.c:50:0:
             nnme includevan incur onversescasizen-scsiftont.c:50.0:
include/xen/xenbus.n:224.6: note: expected 5 struct xenbus_device " but argument is of type 'struct device " void xenbus_dev_error(struct xenbus_device "dev, int err, const char "fmt, ...);
           divers/scsil/xen-scsifront.c:1042:23: error: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type [-Werror=incompatible-pointer-types] xenbus_dev_error(&dev->dev_err,
           In file included from drivers/scsi/xen-scsifront.c:50:0: included/xen/xenbus.h:224:6: note: expected 'struct xenbus_device " but argument is of type 'struct device " void xenbus_dev_error(struct xenbus_device "dev, int err, const char "fmt, ...);
           cc1: some warnings being treated as errors
       vim +663 drivers/scsi/xen-scsifront.c
kbuild test robot <|kp@intel.com>
Fri, Jun 15, 2018 at 2:0
To: linux-kemel-owner@vger.kemel.org
Cc: kbuild-all@01.org, Zhouyang Jia <|jazhouyang09@gmail.com>, Boris Ostrovsky <boris.ostrovsky@oracle.com>, Juergen Gross <|grosss@suse.com>, "James E.J. Bottomley" <|jejb@linux.vnet.ibm.com>, "Martin K. Petersen" <martin.petersen@oracle.com>, xen-devel@lists xenproject.org, linux-vnet.ibm.com>, xen-devel@lists xenproject.or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fri. Jun 15, 2018 at 2:04 AM
       Thank you for the patch! Perhaps something to improve
     [auto build test WARNING on xen-tip/linux-next]
[also build test WARNING on v4.17 next-20180614]
[if your patch is applied to the wrong git tree, please drop us a note to help improve the system]
       urt: https://github.com/0day-ci/linux/commits/linux-kernel-owner-vger-kernel-org/scsi-xen-scsifront-add-error-handling-for-xenbus_printf/20180615-094919 base: https://git.kernel.org/pub/scm/linux/kernel/git/xen/tip.git linux-next
    reproduce:
# apt-get install sparse
make ARCH=x86_64 a
                      make ARCH=x86_64 allmodconfig
make C=1 CF=-D__CHECK_ENDIAN__
       sparse warnings: (new ones prefixed by >>)
             drivers/scsi/xen-scsifront.c:267:21: sparse: expression using sizeof(void drivers/scsi/xen-scsifront.c:440:33: sparse: expression using sizeof(void drivers/scsi/xen-scsifront.c:440:33: sparse: expression using sizeof(void
             drivers/scsi/xen-scsifront.c:440.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c:473.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c:473.33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c:474:33: sparse: expression using sizeof(vold) drivers/scsi/xen-scsifront.c:474:33: sparse: expression using sizeof(vold)
          drivers/scsi/xen-scsifront.c474:33: sparse: expression using sizeof(void) 
drivers/scsi/xen-scsifront.c474:33: sparse: expression using sizeof(void) 
whiters/scsi/xen-scsifront.c683:43: sparse: incorrect type in argument 1 (different base types) @@ expected struct xenbus_device "dev @@ got sstruct xenbus_device "dev @@ drivers/scsi/xen-scsifront.c683:43: expected struct xenbus_device "renoident-drivers/scsi/xen-scsifront.c683:43: got struct xenbus_device "renoident-drivers/scsi/xen-scsifront.c683:43: got struct xenbus_device "renoident-drivers/scsi/xen-scsifront.c881:43: expected struct xenbus_device "dev @@ drivers/scsi/xen-scsifront.c881:43: expected struct xenbus_device "dev @@ drivers/scsi/xen-scsifront.c881:43: expected struct xenbus_device "dev @@ drivers/scsi/xen-scsifront.c881:43: expected struct xenbus_device "dev @@ got sstruct xenbus_device "dev @@ drivers/scsi/xen-scsifront.c1881:43: expected struct xenbus_device "dev @@ got sstruct xenbus_device "dev @@ drivers/scsi/xen-scsifront.c1881:43: expected struct xenbus_device "dev @@ got sstruct xenbus_device "dev @@ drivers/scsi/xen-scsifront.c1881:43: expected struct xenbus_device "dev @@ got sstruct xenbus_device "dev 
             In file included from drivers/scsi/xen-scsifront c:50:0:
              include/xen/xenbus.h:224:6: note: expected 'struct xenbus_device *' but argument is of type 'struct xenbus_device **' void xenbus_dev_error(struct xenbus_device *dev, int err, const char *fmt, ...);
             Advivers/scsi/xen-scsifront.c: In function 'scsifront_sdev_destroy': drivers/scsi/xen-scsifront.c: B1:21: eror: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type [-Werror=incompatible-pointer-types] xenbus_dev_error(xilin0-xev, eror).
              cc1: some warnings being treated as errors
       vim +663 drivers/scsi/xen-scsifront.c
              654 static int scsifront_sdev_configure(struct scsi_device *sdev)
655 {
                                         struct vscsifrnt_info *info = shost_priv(sdev->host);
int err;
                                      if (err) {
    xenbus_dev_error(&info->dev, err,
       [Quoted text hidden]
Fri, Jun 15, 2018 at 7:5
To: linux-kernel-owner@yger.kernel.org
To: linux-kernel-owner@yger.kernel.org
To: linux-kernel-owner@yger.kernel.org
To: linux-kernel-owner@yger.kernel.org
To: hilux-light] of the properties of the prope
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fri. Jun 15, 2018 at 7:59 AM
       Thank you for the patch! Yet something to improve
     [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]
                                                                                                                                                                                                                                               nel-org/scsi-xen-scsifront-add-error-handling-for-xenbus_printf/20180615-094919
     base: https://gil.kemel.org/publscm/linux/kemel/gil/xen/tip.git linux-next config: x86_64-fedora-25 (attached as .config) compiler: gcc-7 (Debian 7.3.0-16) 7.3.0 reproduce:
                     # save the attached .config to linux build tree
make ARCH=x86_64
       All errors (new ones prefixed by >>):
       drivers//scsi/xen-scsifront.c: In function 'scsifront_sdev_configure':

>> drivers//scsi/xen-scsifront.c:663:21: error: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type [-Werror=incompatible-pointer-types] xenbus_dev_error(&info->dev, err,
             In file included from drivers//scsi/xen-scsifront.c:50:0:
             "minioude/enchaptus h:224-6; note: expected struct xenbus_device " but argument is of type 'struct xenbus_device * void xenbus_dev_error(struct xenbus_device *dev, interr_const char *fmt, ...);
           driversi/scsi/xen-scsifront.c: In function 'scsifront_sdev_destroy': driversi/scsi/xen-scsifront.c: In function 'scsifront_sdev_destroy': driversi/scsi/xen-scsifront.c:88121: error: passing argument 1 of 'xenbus_dev_error' from incompatible pointer type [-Werror=incompatible-pointer-types] xenbus_dev_error(alin0-xen, error(alin0-xen, error)); and the properties of the p
           In file included from drivers//scsi/xen-scsifront.c:50:0: include/xen/xenbus.h224:6: note: expected 'struct xenbus_device "' but argument is of type 'struct xenbus_device "' void xenbus_dev_error(struct xenbus_device dev, int err, const char "fmt, ...);
           cc1: some warnings being treated as errors
       vim +/xenbus_dev_error +663 drivers//scsi/xen-scsifront.c
       653
[Quoted text hidden]
         .config.gz
47K
Zhouyang Jia - jiazhouyang09@gmail.com>
Fri, Jun 15, 2018 at 1:05 PM
Cc: Zhouyang Jia - jiazhouyang09@gmail.com>, Juergen Gross - jgross@suse.com>, Boris Ostrovsky - boris.ostrovsky@oracle.com>, "James E.J. Bottomley" - jejb@linux.vnet.ibm.com>, "Martin K. Petersen" - martin.petersen@oracle.com>, xen-devel@lists.xenproject.org, linux-scsi@vger.kemel.org, linux-kernel@yger.kemel.org
```

include/xen/xenbus.h:224:6: note: expected 'struct xenbus_device *' but argum void xenbus_dev_error(struct xenbus_device *dev, int err, const char *fmt, ...);

When xenbus_printf fails, the lack of error-handling code may

v4->v5: - Fix compilation errors

This patch adds error-handling code after calling xenbus_printf Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com Signer-on-up. Enoughing site special signer on the virtual size of the virtual size of

```
diff –git a/drivers/scsi/ven-scsifront.c b/drivers/scsi/ven-scsifront.c index 36f59a1.61389bd 100644 — a/drivers/scsi/ven-scsifront.c —a/drivers/scsi/ven-scsifront.c +++ b/drivers/scsi/ven-scsifront.c @@ -654.01 = 0545.41 2 @@ static int scsifront_dev_reset_handler(struct scsi_cmnd *sc) static int scsifront_sdev_configure(struct scsi_device *sdev)
         struct vscsifmt_info *info = shost_priv(sdev->host);
+ int err;
                                  if (info && current == info->curr)
xenbus_printf(XBT_NIL, info->dev->nodename,
if (info && current == info->curr) {
err = xenbus_printf(XBT_NIL, info->dev->nodename,
info->dev_state_path, "%d", XenbusStateConnected);
                                                                       into->ucv__.__
if (err) {
    xenbus_dev_error(info->dev, err,
    "%s: writing dev_state_path", __func__);
         +
+
+ }
             ] @@ -665,10 +672,15 @@ static int scsifront_sdev_configure(struct scsi_device *sdev) static void scsifront_sdev_destroy(struct scsi_device *sdev)
    struct vscsifmt_info *info = shost_priv(sdev->host);
+ int err;
                                if (info && current == info->curr)
xenbus_printf(XBT_NIL, info->dev->nodename,
if (info && current == info->curr) {
er = xenbus_printf(XBT_NIL, info->dev->nodename,
info->dev_state_path, %d*, XenbusStateClosed);

**Control | XenbusStateClosed | X
                                                                       if (err)
xenbus_dev_error(info->dev, err,
"%s: writing dev_state_path", __func__);
             static\ struct\ scsi\_host\_template\ scsifront\_sht = \{ \\ @@\ -1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifrnt\_info\ *info,\ int\ op) \} \\ = (1003.9 + 1015.12\ @@\ static\ void\ scsifront\_do\_lun\_hotplug(struct\ vscsifront\_do\_lun\_hotplug(struct\ v
                                                                                               if (scsi_add_device(info->host_chn, tgt, lun)) {
    dev_err(&dev->dev, "scsi_add_device\n");
    xenbus_printf(XBT_NIL_dev->nodename,
    err = xenbus_printf(XBT_NIL_dev->nodename,
    info->dev_state_path,
    dev_side_path;
    dev_side_p
                                                                                                                                 if (err)
xenbus_dev_error(dev, err,
"%s: writing dev_state_path", __func__);
         }
break;
case VSCSIFRONT_OP_DEL_LUN:
@@-1019,10 +1034,14 @@ static void scsifront_do_lun_hotplug(struct vscsifrnt_info *info, int op)
                                                                                          if (err)

xenbus_dev_error(dev, err,

"%s: writing dev_state_path", __func__);
Juergen Gross | Juerg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tue .lun 19 2018 at 8:53 AM
           On 15/06/18 19:05, 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 Gross 

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```

On 15/06/18 19:05, 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-linus-4.18

Juergen