

## [git patch review 4/4] IB/mthca: create\_eq with size not a power of 2

---

*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-01/msg01946.html>

---

- *From:* Roland Dreier <rolandd@xxxxxxxx>
  - *Date:* Fri, 06 Jan 2006 00:19:41 +0000
- 

Fix mthca\_create\_eq for when the EQ size is not a power of 2.

Signed-off-by: Michael S. Tsirkin <mst@xxxxxxxxxxxxxxxx>  
Signed-off-by: Roland Dreier <rolandd@xxxxxxxx>

---

drivers/infiniband/hw/mthca/mthca\_eq.c | 4 ++--  
1 files changed, 2 insertions(+), 2 deletions(-)

466200562ccd80f728f7ef602d2b97b4fdedd566  
diff --git a/drivers/infiniband/hw/mthca/mthca\_eq.c b/drivers/infiniband/hw/mthca/mthca\_eq.c  
index 34d68e5..e8a948f 100644

```
--- a/drivers/infiniband/hw/mthca/mthca_eq.c
+++ b/drivers/infiniband/hw/mthca/mthca_eq.c
@@ -484,8 +484,7 @@ static int __devinit mthca_create_eq(str
u8 intr,
struct mthca_eq *eq)
{
- int npages = (nent * MTHCA_EQ_ENTRY_SIZE + PAGE_SIZE - 1) /
- PAGE_SIZE;
+ int npages;
u64 *dma_list = NULL;
dma_addr_t t;
struct mthca_mailbox *mailbox;
@@ -496,6 +495,7 @@ static int __devinit mthca_create_eq(str

eq->dev = dev;
eq->nent = roundup_pow_of_two(max(nent, 2));
+ npages = ALIGN(eq->nent * MTHCA_EQ_ENTRY_SIZE, PAGE_SIZE) / PAGE_SIZE;

eq->page_list = kmalloc(npages * sizeof *eq->page_list,
GFP_KERNEL);
```

---

0.99.9n

-

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to majordomo@xxxxxxxxxxxxxxxx

[git patch review 4/4] IB/mthca: create\_eq with size not a power of 2

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>

---

- **References:**

- ◆ [\[git patch review 3/4\] IB/mthca: check port validity in modify\\_qp](#)

- ◆ From: Roland Dreier

- Prev by Date: [Re: oops pauser.](#)

- Next by Date: [\[git patch review 3/4\] IB/mthca: check port validity in modify\\_qp](#)

- Previous by thread: [\[git patch review 3/4\] IB/mthca: check port validity in modify\\_qp](#)

- Next by thread: [2.6.15-mm1: what's page\\_owner.c doing in Documentation/ ???](#)

- Index(es):

- ◆ [Date](#)