Subject: Re: [PATCH 07/11] fuse: add per-page descriptor &lt;offset, length&gt; to fuse_req (v2)

Posted by Maxim Patlasov on Thu, 25 Oct 2012 13:39:21 GMT

View Forum Message <> Reply to Message

Hi,

```
> Maxim Patlasov <mpatlasov@parallels.com> writes:
>
>> The ability to save page pointers along with lengths and offsets in fuse_req
>> will be useful to cover several iovec-s with a single fuse_req.
>>
>> Per-request page_offset is removed because anybody who need it can use
>> req->page_descs[0].offset instead.
>>
>> Changed in v2:
>>  - replaced structure page_desc with fuse_page_desc
>>
>> Signed-off-by: Maxim Patlasov <mpatlasov@parallels.com>
>> ---
>>  fs/fuse/dev.c    |  26 +++++++++++++++++++-------
>>  fs/fuse/file.c   |  10 +++++-----
>>  fs/fuse/fuse_i.h |  15 ++++++++++++---
>>  3 files changed, 36 insertions(+), 15 deletions(-)
>>
>> diff --git a/fs/fuse/dev.c b/fs/fuse/dev.c
>> index b241a7d..72ad962 100644
>> --- a/fs/fuse/dev.c
>> +++ b/fs/fuse/dev.c
>> @@ -35,14 +35,17 @@ static struct fuse_conn *fuse_get_conn(struct file *file)
>>  }
>>
>>  static void fuse_request_init(struct fuse_req *req, struct page **pages,
>> +        struct fuse_page_desc *page_descs,
>>          unsigned npages)
>>  {
>>   memset(req, 0, sizeof(*req));
>> + memset(page_descs, 0, sizeof(*page_descs) * npages);
> Makes me wonder:  why aren't we zeroing out the page array too?
```

Good catch, thnx! This is a legacy since time when I attempted to use
<page, length, offset> as fuse_page_desc. Now, when we have both
page_descs[] and pages[], it's natural to zero both.

```
>
> @@ -82,6 +92,8 @@ void fuse_request_free(struct fuse_req *req)
>  {
```

```
>    if (req->pages != req->inline_pages)
>     kfree(req->pages);
> + if (req->page_descs != req->inline_page_descs)
> +  kfree(req->page_descs);
> You allocate them together, you can free them together.  Just add a
> BUG_ON() if you feel paranoid.
```

OK.

Thanks,
Maxim