

## Re: [ANNOUNCE] Btrfs v0.13

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-03/msg12145.html>

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- *From:* Alex Chiang <[achiang@xxxxxx](mailto:achiang@xxxxxx)>
  - *Date:* Mon, 31 Mar 2008 15:02:52 -0600
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\* Chris Mason <[chris.mason@xxxxxxxxxx](mailto:chris.mason@xxxxxxxxxx)>:

Great, thanks I'll take these two. The kernel side needs the same hash.c fix, but I've already got that change made locally.

Here's a patch for the kernel side.

/ac

Subject: [PATCH] btrfs: Stop trashing 'name' arg of btrfs\_name\_hash  
From: Alex Chiang <[achiang@xxxxxx](mailto:achiang@xxxxxx)>

In btrfs\_name\_hash, Local variable 'buf' is declared as

```
__u32 buf[2];
```

but we then try to do this:

```
buf[0] = 0x67452301;  
buf[1] = 0xefcdab89;  
buf[2] = 0x98badcfe;  
buf[3] = 0x10325476;
```

Oops. Fix buf to be the proper size.

Signed-off-by: Alex Chiang <[achiang@xxxxxx](mailto:achiang@xxxxxx)>

```
diff -r e4cd88595ed7 -r 03942eecb56d hash.c  
--- a/hash.c Thu Feb 21 14:54:12 2008 -0500  
+++ b/hash.c Mon Mar 31 14:58:00 2008 -0600  
@@ -81,7 +81,7 @@ u64 btrfs_name_hash(const char *name, in  
__u32 hash;  
__u32 minor_hash = 0;  
const char *p;  
- __u32 in[8], buf[2];  
+ __u32 in[8], buf[4];  
u64 hash_result;
```

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```
if (len == 1 && *name == '.') {
```

```
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```

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