

## DragonFlyBSD - Bug #782

### misleading error message on mountroot prompt

08/21/2007 10:30 AM - corecode

<b>Status:</b> Closed	<b>Start date:</b>
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Description</b> hey,  when entering "ufs:ad0s1a" on mountroot>, the system told me something like  no such device 'ad'  entering "ufs:ad2s1a" however worked. the error message is highly misleading, suggesting that there is no "ad" driver at all.  additionally, the mountroot prompt would benefit from a proper device listing (only listing disk devices, but then also listing available slices and partitions).  cheers simon	

### History

#### #1 - 08/26/2007 07:49 AM - nthery

Here is a patch that displays a hopefully more informative message when kgetdiskbyname() fails and changes mountroot '?' to list only disk devices.

Displaying available disk slices and partitions is trickier (vfs\_mountroot\_ask\_callback() is called only once per physical disk). I'm looking into it ...

Index: dfly/src/sys/kern/vfs\_conf.c

```
-----  
--- dfly.orig/src/sys/kern/vfs_conf.c 2007-08-25 22:31:40.028281000 +0200  
+++ dfly/src/sys/kern/vfs_conf.c 2007-08-25 22:41:06.000000000 +0200  
@@ -304,14 +304,13 @@  
return(1);  
}
```

```
-static  
-int  
+static int  
vfs_mountroot_ask_callback(struct dev_ops *ops, void *arg __unused)  
{
```

```
    cdev_t dev;  
  
    dev = get_dev(ops->head.maj, 0);  
    - if (dev_is_good(dev))  
    + if (dev_is_good(dev) && (dev_dflags(dev) & D_DISK))  
    kprintf("\'%s'\", dev_dname(dev));  
    return(0);  
}
```

```
@@ -439,7 +438,7 @@  
}
```

```
if (*cp != '\0') {  
    - kprintf("junk after name\n");  
    + kprintf("junk after name: %s\n", cp);  
    return (NULL);  
}
```

```
@@ -452,7 +451,7 @@  
info.minor = dkmakeminor(unit, slice, part);
```

```
dev_ops_scan(kgetdiskbyname_callback, &info);
if (info.dev == NULL) {
- kprintf("no such device '%s'\n", nlen, nlen, name);
+ kprintf("no disk named '%s'\n", name);
return (NULL);
}
```

```
@@ -463,8 +462,7 @@
return(rdev);
}
```

```
-static
-int
+static int
kgetdiskbyname_callback(struct dev_ops *ops, void *arg)
{
struct kdbn_info *info = arg;
```

### #2 - 08/26/2007 08:23 AM - corecode

Thanks, looks good! I'll leave it to you to commit :)

Not tested, however.

cheers  
simon

### #3 - 08/26/2007 04:58 PM - dillon

:Nicolas Thery wrote:

:> Here is a patch that displays a hopefully more informative message when  
:> kgetdiskbyname() fails and changes mountroot '?' to list only disk devices.

:

:Thanks, looks good! I'll leave it to you to commit :)

:

:Not tested, however.

:

:cheers  
: simon

I've tested it with boot -a and it works well, I am committing it.

-Matt