

## Re: grub and rootfs as LVM

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Debian/2007-04/msg04764.html>

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I setup my rootfs as an LVM, the menu.lst of grub looks like this;

```
title Debian GNU/Linux, kernel 2.6.18-4-386
root (hd0,0)
kernel /vmlinuz-2.6.18-4-686 root=/dev/volume/root ro
initrd /my_init
savedefault
```

Error happens when the kernel tried to mount the root filesystem:  
The error message is "Waiting for root file system..."  
yuwen check root=bootarg cat /proc/cmdline or missing modules, devices; cat /proc/modules ls /dev/

I setup /boot as a seperate disk parition. The rest is for LVM.  
/dev/volume/root is OK when I use a rescue CDRom. And I re-build the  
initrd, adding all dm-\* modules to the initrd. Any suggestion?

Try use /dev/mapper/volume-root instead.  
I'm not sure why, but I recently had a similar problem where using  
/dev/Debian/root didn't work but /dev/mapper/Debian-root did (even though  
once the boot is over, /dev/Debian/root can be used just fine, it looks  
like the alternate name is constructed later).

Stefan

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