

# Re: Mount USB HDD to a certain /media/folder after boot

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Ubuntu/2008-05/msg03108.html>

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- *From:* SYNass IT Ubuntu / Linux <i-ubux@xxxxxxxxxxx>
  - *Date:* Tue, 27 May 2008 08:54:01 +0800
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Hi David

Thanks for your feedback and the explanations.

More quoted in your text below:

On Mon, 2008-05-26 at 06:50 -0700, David Vincent wrote:

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

SYNass IT Ubuntu / Linux wrote:

Well one question I can bring up here:  
In our recent discussion was a difference of

/dev/sdb5 or /dev/sdb6 against  
/media/sdb5 or /media/sdb6 !?

fstab shows "media" others, i.e. GParted, are showing "sdbx !??  
How can I get this circle closing correctly ?

let's see if i can get this right.

every drive is represented in /dev as a /dev/sd\*\*. the "s" means scsi and yes, even if you have ide drives it uses the s, they changed to that a while ago, someone else could tell you why. the "d" stands for disk, the next character represents the order the drives are detected by linux so if you have a sda and a sdb, a is the first drive and b is the second (for example on an ide channel the a would be the master and the b would be the slave). then you get a number to represent the partition on the disk - sda1 and sda2 for example.

Well & OK, this I already understood ! ;-)

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once a removable drive is automounted by ubuntu it is mounted in the /media folder on a new folder named after the disklabel if you've labeled your disks or the device name like cdrom0 or floppy0. labeling your disks is a good idea if you use automounting otherwise for your usb devices ubuntu will use names like "disk" and "disk1" which aren't very descriptive ...

Absolutely correct and that's why I label them with unique identification ! ;-)

... and as i have written before, if you mount them in a different order those names will swap around and then things get confusing (if you plug them in in a different order then the /dev/sd\*\* will change). removable drives include cds, dvds, usb disks, floppies, and more.

so in fstab you should tell it which /dev/sd\*\* device you want to mount in /media/foldername – if you want to go the route i suggested and it seems you don't :) but, as i have said before in fstab you should really use the UUID not the /dev/sd\*\* designation because when we're talking about usb devices, that designation can change and then you'd get a disk mounted on the wrong spot and create a real problem for yourself.

It's not "don't or won't !! ;-))

I am in the process of learning how to setup my Linux environment. I believe to know what I want but currently I lack of fond experience and knowledge to reach it accordingly.

You are correct: UUID's are unique like my (unique) Disk Labels. Hence I have to learn and recognize what the system really needs and how the system controls it !?

I need to understand how it works and have to learn it accordingly.

There is, especially with these more and more USB devices connected, another problem:

The easy and dynamic exchange of i.e. USB sticks used on and off in these USB hubs !!!

I am using a Hama Traveldrive 1000 & 1, USB 2.0 Multi-/Dual-Card Reader  
[http://www.hama.de/portal/articleId\\*127948/action\\*2563](http://www.hama.de/portal/articleId*127948/action*2563)

Like this all USB media units (external HDD or the sticks) are plugged on when needed and removed after things are done ! The system has to get along with this and it works only if I do/did it properly.

Re: Mount USB HDD to a certain /media/folder after boot

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but in your case svobi, comment out or remove anything in your fstab which points to those drives – you don't need it.

This has been done yesterday already after Derek suggested it. ;-)  
Exactly this has brought the two icons (LD142ext3 & LD142ntfs) visible under Places/Computer. ;-))

go here:

<https://help.ubuntu.com/community/RenameUSBDrive>

and relabel your drives, sounds like you have a funky character in there which the gutsy gibbon doesn't like and isn't displaying. ld142ext3 is an ext3 filesystem and should be fine if you relabel it (ie no data destroyed) using the methods from that link. you should also run fsck on that drive to be sure it is ok.

Thanks again !  
I will give a try / some tries this weekend ;-))

hope that is clear and not too inaccurate.

I appreciate every feedback on learning to get my problem solved and only hope:  
I do not get an unsolvable disaster ! ;-D

Once again thanks for all your efforts.  
Cheers, svobi

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