

Re: Automatically mounting USB storage devices under their correct mount points

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- *From:* Dances With Crows <danceswithcrows@xxxxxxx>
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Ignoramus23760 staggered into the Black Sun and said:

On 2008-05-02, K. Jennings wrote:

I have two USB sticks and two USB hard drives connected. How can things be configured so that each of those drives gets mounted under its correct mount point at boot time?

In general, if something can be unplugged easily, you shouldn't mount it at boot time. If these things are going to stay attached to one machine permanently, why didn't you use faster and cheaper SATA disks? Or is this an ad hoc solution?

Let's say that your stick's partition shows as
`/dev/disk/by-id/usb-USB_USB_2.0_Flash_13DFA16D-0:0-part1`
Then you can add a line to `/etc/fstab` like this:
`/dev/disk/by-id/usb-USB_USB_2.0_Flash_13DFA16D-0:0-part1 /mnt/4gb \
auto noauto,user 0 0`

This is overly verbose. Use `e2label` and whatever labeling conventions that JFS uses (`jfstune`?) to give each filesystem a unique label. That reduces the `fstab` line to:

```
LABEL=label1 /mnt/label1 auto noatime 0 0
```

....which is easier to deal with.

and then it will be automounted the next time you insert the thumb drive.

No, it won't, not unless you're running an automounter. The "noauto" option you wrote in your fourth `fstab` field also makes it so that device will not be mounted automatically at boot time.

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If I understand it correctly, the actual SCSI device associated to each piece of hardware will be selected at boot time, but I do not understand how that is done, or whether one has any control over it.

First SCSI disk detected = /dev/sda. Second = /dev/sdb. Detection order is at least partially controlled by the BIOS if you have a Real SCSI controller. USB devices usually have higher letters than SCSI or SATA devices, unless the machine boots from a USB device. This is why many people use labels and/or the LV names that LVM provides.

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Really, I'm not out to destroy Microsoft. That will just be a completely unintentional side effect. --Linus Torvalds

My blog and resume: <http://crow202.dyndns.org:8080/wordpress/>

Matt G|There is no Darkness in Eternity/But only Light too dim for us to see

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