

## Re: USB external Hard disk – May be LVM

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Fedora/2005-03/4953.html>

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**From:** Jim Cornette (*fc-cornette\_at\_insight.rr.com*)

**Date:** 03/22/05

Date: Mon, 21 Mar 2005 22:33:51 -0500

To: For users of Fedora Core releases <fedora-list@redhat.com>

Antonio Montagnani wrote:

> *Jim Cornette ha scritto/wrote il giorno/on 20/03/2005 11:13:*

>>

> *Tnx Jim*

>

> *As now it is too late to start this task, let me resume what I am aiming to and what is my experience...*

>

> *1) I am trying to set up a Fedora on an external USB hard disk*

> *2) I do want that the system will start Fedora immediately if the*

> *external disk is connected (otherwise Windows should run)*

> *During installation I decided not to install Grub as my goal is to have*

> *a system booting Linux when the external HD is disconnected otherwise*

> *Windows must be started. No choices to the user....and I want to be*

> *connect to any system (mainly laptops) and use Linux*

I toyed around a bit with an Industrial computer that was capable of booting from USB hard drives,usb-cdroms or usb-floppies once and the installation booted up to a point. I think the installation was RHL 7.3 and used devicenames vs labels. It kernel panicked, but at least it started to boot.

For your attempted setup, if BIOS supports usb booting devices, you might choose the usb-hard-drive as the booting device before the hard drive. In theory and with my limited success with booting from a usb hard drive, it *\*might\** work.

I believe with labels (new default) instead of device names, grub should start from the boot loader in the MBR of the USB hard disk. The labels should allow every partition to find its mountpoint. If you cannot set your boot device order in BIOS, it would be a tough thing to get to work. I believe you would still have to run the line included in your reply below for the usb modules to be available for when the kernel loads and assumes control of the USB-HD.

>

Fedora: Re: USB external Hard disk – May be LVM

- > *Therefore I installed Fedora on this HD issuing the command:*
- > *Linux expert noacpi*
- >
- > *When I rebooted the system, of course it didn't boot (USB booting is*
- > *available).*
- >