

# Re: [SLE] moving my current installation

---

*Source:* <http://linux.derkeiler.com/Mailing-Lists/SuSE/2006-06/msg02838.html>

---

- *From:* Phil Burness <[pburness@xxxxxxxxxxxxxxxxxxx](mailto:pburness@xxxxxxxxxxxxxxxxxxx)>
  - *Date:* Fri, 30 Jun 2006 14:19:13 +0100
- 

On Thursday 29 June 2006 19:03, Daniel Bauer wrote:

Am Donnerstag, 29. Juni 2006 17:41 schrieb Phil Burness:

I have a fully up to date v9.3 system on a 40Gb harddrive. I want to transfer this installation to a new 160Gb harddrive. I want to remove the old 40Gb and trash it. (It's several years old and I want to change it before it fails). Question is how do I transfer the system over including grub etc.

Phil

--

Phil Burness

Linux User since 1991 – currently using SuSE 9.3

Warrington – United Kingdom

There has been a (german) instruction manual once (2005) on the novell page, but I can't find it anymore online. However, I have a copy saved, so I try to translate from there:

The given example assumes:

- you have an old disk /dev/hda (1. IDE-HD) and
- a new SCSI-disk /dev/sda (1. HD on SCSI-Bus)
- root partition is /dev/hda5 (1. logical drive in the extended partition)
- the new root partition shall be /dev/sda1
- the new disk is already formatted and the file system is installed on it

Boot with the rescue system CD, log in and make two Mountpoints:

```
mkdir /OLD
mkdir /NEW
```

Mount both partitions:

```
mount /dev/hda5 /OLD
mount /dev/sda1 /NEW
```

check, if

## Re: [SLE] moving my current installation

- \* /dev/hda5 really is the correct root-partition
- \* /dev/sda1 is empty

change to the /OLD-directory:

```
cd /OLD
```

enter the following tar-command:

```
tar -cSp --numeric-owner --atime-preserve -f - . | ( cd /NEW && tar  
-xSpv --atime-preserve -f - )
```

With this command all files should be brought from /OLD to /NEW and links and rights should stay preserved. Make sure to type the command with all spaces, e.g. before and after the dot, after the opening parenthesis, before the closing parenthesis.

adjust some important files to the new root partition:

- \* edit /NEW/etc/fstab according to the new situation, e.g.:

old entry: /dev/hda5 / ext2 defaults 1 1

new entry: /dev/sda1 / ext2 defaults 1 1

- \* eventually also adjust /NEW/etc/lilo.conf . You can only start LILO after booting with the new partition.

Change to the root directory and umount both partitions:

```
cd /  
umount /OLD  
umount /NEW
```

Reboot using CD1 or the Suse DVD and start the rescue system, from there start the "installed system" with entering the new root-partition (here: /dev/sda1 )

After the boot open Yast -> configure the boot menu, change the "Linux"-entry to the new root partition. The instruction sais, that Yast wants you to rename the entry (say from "Linux" to "Suse" or whatever) - but I don't know, if this is still true.

Now you should be able to boot from the new drive.

If you use LILO you have to adjust /etc/lilo.conf and restart LILO

-----

As mentioned, this is old information. But I've used it to move my Suse

Re: [SLE] moving my current installation

10.0 install from one disk to another and it worked (partition names, files system and fstab entries adapted, of course).

Eventually better wait if somebody on the list shouts "stop, this doesn't work anymore!" before you go on with these instructions ;-)

regards

Daniel

--

Daniel Bauer photographer Basel Switzerland  
professional photography: <http://www.daniel-bauer.com>  
special interest site: <http://www.bauer-nudes.com>

This is why this list is so great – not only do I get the answer I want, but people even take the trouble to translate it for me – Fantastic and thanks.

I have followed the instructions but the tar command exited due to errors.. It seems I have some files in /var/lib/scrollkeeper/TOC that root does not have permissions for (??) tar gave permissions denied message. (same for some .h files in /usr/src/linux/include/asm-arm)  
Also, there seems to be some files in /usr/src/linux/include that tar complained 'couldn't stat' before exiting.

How do I get rid of the files in TOC or change their permissions?  
What is the 'couldn't stat message and how do I eliminate it?

--

Phil Burness  
Linux User since 1991 – currently using SuSE 9.3  
Warrington – United Kingdom

--

Check the headers for your unsubscribe address  
For additional commands send e-mail to [suse-linux-e-help@xxxxxxxx](mailto:suse-linux-e-help@xxxxxxxx)  
Also check the archives at <http://lists.suse.com>  
Please read the FAQs: [suse-linux-e-faq@xxxxxxxx](mailto:suse-linux-e-faq@xxxxxxxx)