

## [HPADM] Re: SUMMARY question about disks

**Source:** <http://unix.derkeiler.com/Mailing-Lists/HP-UX-Admin/2005-03/0029.html>

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**From:** Peter Unmack (*peter.lists\_at\_unmack.net*)

**Date:** 03/19/05

Date: Sat, 19 Mar 2005 15:32:45 -0600 (CST)

To: hpux-admin <hpux-admin@DutchWorks.nl>

G'day Folks

Thanks to the following people (in no particularly order) for their helpful responses. I greatly appreciate all of your inputs.

Mohan Sundaram

Rita Workman

Ahrendt, Marc

Dan Zucker

Bill Kruchas

Dan Zucker

Wolf-Dietrich Schmook

Bill Kruchas suggested trying vgscan and possibly mkboot in order to make it boot again. I haven't had a chance to try this yet though. Dan Zuker suggested I may also have changed the boot settings on the hardware, stop the boot process and try searching for it.

Wodisch provided the following detailed answer that worked perfectly and enabled me to retrieve all of the files I needed. Some other respondents provided similar answers too.

the comand to *\*use\** your disk on another system is "vgimport".

In order to use it, you'll have to:

- 1) mkdir /dev/vgtmp
- 2) mknod /dev/vgtmp/group c 64 0x090000  
ls -l /dev/\*/group
- 3) vgimport /dev/vgtmp /dev/dsk/your-disk
- 4) vgchange -a y /dev/vgtmp
- 5) mkdir -p /mnt/1 /mnt/2 /mnt/3 /mnt/4 ...
- 6) mount /dev/vgtmp/lvol1 /mnt/1  
mount /dev/vgtmp/lvol2 /mnt/2  
...
- 7) get your files
- 8) umount /mnt/1  
umount /mnt/2  
...

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- 9) vgchange -a n /tmp/vgtmp
- 10) vgexport /dev/vgtmp

Don't even think about using "vgcreate" or "pvcreate"!

In order to be even able to use LVM-disks on HP-UX (any version) you have to "vgimport" the disks into a running system first. Then you "activate" it (vgchange -a y) and only then you will be able to use commands like "mount".

No knowing the names of your logical volumes was the reason to use "/mnt/1" and so forth in my example.

Potentially the logical volumes will be like this:

- "lvol1" was your stand-filesystem, i.e. your kernel, mounted as "/stand"
- "lvol2" was your primary swap-space, so we won't care about it and you will not be able to "mount" it
- "lvol3" was your root-filesystem, i.e. mounted as "/"
- "lvol4" ... "lvol8" were your filesystems "/tmp", "/opt", "/usr", and "/var"
- there might be more logical volumes, those were your data filesystems

My original question is below.

Thanks again!

G'day folks

I had a disk setup via LVM that was the boot disk for one machine I had. All of the "partitions" only occur within this one disk. I made the mistake of moving that disk, not realising that it would no longer boot the machine when I put it back in its original place (seems like you could do this for non-LVM disks). Anyway, as you probably figured out I am semi-retarded when it comes to disks, and especially LVM. I have tried mounting this disk on another machine, but it won't let me do it (some message about it having LVM structure). I have searched around the archives, but haven't found anything because obviously most people who have any clue about what they are doing wouldn't do what I did.

My first priority is to try and get a couple of files off the disk. The second would be to make it boot again on the original machine I had it set up on. Would someone please consider offering me some suggestions on what to try? It would be greatly appreciated.

Thanks  
Peter Unmack

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