

Re: 1st Partition Linux, 2nd Partition Windows?

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From: sung (*designtists_at_gmx.at*)

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Well, after reading your description I followed your advice to the letter and ... bought a new hard disk on which I installed Redhat 9. Very uncomplicated so far and here comes the big "but"...

the boot loader configured itself, so no problem there.

The interesting part is:

My mainbord has an onboard raid controller. The harddisk used to be connected with it instead of the ide controller.

Prior to installing unix i pulled the plug (of my old harddisk) and connected it to the ide-controller. i did not think it would work but windows started up without any problems.

Then I installed linux on the new harddisk and it worked fine.

Today I tried to boot windows xp and it simply won't work.

I added the entry of grub.conf. Perhaps someone can help me.

```
title Windows 2000
    rootnoverify (hd1,0)
    chainloader +1
title Windows XP
    rootnoverify (hd1,1)
    chainloader +1
```

Thank you.
sung

Benoit Morrissette wrote:

> *On Wed, 05 May 2004 23:13:35 +0200, sung <designtists@gmx.at> wrote:*

>

>

>>Hello,

>>

>>As I said before I'm planing to install Linux. Now I face an interesting

linux.redhat: Re: 1st Partition Linux, 2nd Partition Windows?

>> *situation, which is not described in the official documentation I found.*

>>

>> *My system is set up as a dual boot system: 1st partition win2k, 2nd*

>> *partition winxp. 1st is systempartition, 2nd is startpartition.*

>

>

> *No problem. I have 4 primary partitions in that order: Win98, WinXP,*

> *Linux and swap. The first three are bootables.*

>

>

>> *What I want to do:*

>> *Deleting the first partition, (which i think not possible, since it is*

>> *also the systempartition and contains necessary files for*

>> *windows–startup, no matter which one) and then installing linux instead.*

>

>

> *Yes, but make BACKUPS of your important data first! mistakes do*

> *happen, you know...*

>

>> *Q1: Has anyone experience with an installation like this? (the second*

>> *partition should remain untouched – or more importantly unharmed – by*

>> *the installation).*

>> *Q2: I know it's the wrong place to ask, but maybe someone can tell me if*

>> *it is possible to make the 2nd partition of a harddisk start– as well as*

>> *systempartition for windows (if you feel offended by beeing asked*

>> *windows questions here accept my excuses)?*

>

>

> *Yes to all but is is a complicated and delicate process. Only ONE*

> *mistake and POOF!!! Everything's gone!*

>

> *The very best way to do this is to get a second hard disk! Hey, they*

> *are cheap today and the process is so complicated, (so many*

> *possibilities of errors) that it is not worth it. I did it once and*

> *i wont do it again (took me almost one week to get it right).*

>

> *Look below; for the last hour i've tried to explain the process and*

> *yet i realise that the procedure below is (very) incomplete. Do not*

> *read below and DON'T TRY THIS AT HOME!*

>

> *If*

>

> *Don't read below this line....*

>

>

> *Here is my advice:*

> *First, WinXP needs some files to reside on a FAT (DOS or Win)*

> *partition: ntdetect.com, bootfont.bin, suhdlog.dat, autoexec.bat,*

> *config.sys, msdos.sys, bootsect.dos, io.sys, ntldr and boot.ini.*

>

linux.redhat: Re: 1st Partition Linux, 2nd Partition Windows?

- > Notice that my first part. is Win98 so the files autoexec.bat, io.sys,
- > msdos.sys, config.sys and bootsect.dos may not be present on your
- > system. As i do not have Win2K, i do not know the exact details.
- >
- > So, you set-up your preferred Win. to show hidden files and you backup
- > the files above to a diskette.
- >
- > Make sure that you have a bootable diskette from DOS 6.22, Win95 or
- > 98.
- >
- > (incomplete..)
- >
- > You will need to replace the first partition by three other ones:
- >
- > 1- a small size FAT 16 DOS partition of say 512k to 1meg. On that
- > one you will store perhaps DOS 6.22 and a handfull of hard disk
- > utilities to repair your system if something goes wrong. That
- > partition should be bootable.
- >
- > 2- Main Linux partition, the biggest one
- >
- > 3- the Linux swap partition. I think it is the same size as the
- > amount of your RAM but i'm not sure.
- >
- > the 4th partition will be the already existing WinXP.
- >
- > You can use the very good "Ranish Partition Manager" to do the job.
- > It has a function to save and restore the boot sector of the hard disk
- > and it can fit on one 1.44m disk. Read the documentation CAREFULLY
- > and practice a little bit with it before installing Linux.
- >
- >
- > CAUTION CAUTION CAUTION CAUTION:
- >
- > The Linux Boot manager will replace the WinXP one without asking but
- > it will save it on the first (DOS) partition. On the next boot, GRUB
- > will offer you the choice of booting Linux or DOS. If you choose DOS,
- > GRUB will redirect the boot process to the old boot manager ie. WinXP.
- > Now it is the XP Boot Manager that must give you the choice of booting
- > on the first (DOS 6.22) or fourth partition. To do that you must
- > first copy the files from DOS to the first partition THEN edit the
- > boot.ini file of WinXP to read like this:
- >
-
- > [boot loader]
- > timeout=30
- > default=multi(0)disk(0)rdisk(0)partition(2)\WINDOWS
- > [operating systems]
- > C:\="DOS"
- > multi(0)disk(0)rdisk(0)partition(2)\WINDOWS="Windows XP Pro2"
- > /fastdetect

linux.redhat: Re: 1st Partition Linux, 2nd Partition Windows?

```
> multi(0)disk(0)rdisk(0)partition(3)\WINDOWS="Windows XP Pro3"  
> /fastdetect  
> multi(0)disk(0)rdisk(0)partition(4)\WINDOWS="Windows XP Pro4"  
> /fastdetect  
>
```

> (well, because of word wrapping, the /fastdetect has been shifted on
> it's own line; it should not...)

>
> Notice that only one of the WinXP lines will be good but because of
> know wich one yet. Most likely it will be the fourth one...

>
> (incomplete...)

>
>
>
>>Thanks in advance
>>sung

>
>
>
> Have a nice day!
>
> Benoît...