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Karmic Koala Testing and Discussion (CLOSED)   how to chroot, simple and fast

Hello Unregistered. The next UOS will take place between the 12th and 14th November. More details to follow here

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Thread: how to chroot, simple and fast

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May 11th, 2009   #1

taavikko 🔒   **Join Date:**
                                    Apr 2007
Ubuntu Cappuccino Scuro
                                    Location:
☕ 🫘 🫘 🫘 🫘   /home/Helsinki

                                    Beans:
                                    Hidden!

                                    Distro:
                                    Ubuntu Development Release

how to chroot, simple and fast

Pick up a liveCD, version doesn't matter, you could use any distro, as long as it ables you to enter to console.

means run with root or sudo

1. Create a mountpoint

Code:
```
# mkdir /mount/point
```

2. Mount /proc /sys /dev to chroot

Code:
```
# mount -o bind /proc /mount/point/proc
# mount -o bind /dev /mount/point/dev
# mount -o bind /dev/pts /mount/point/dev/pts
# mount -o bind /sys /mount/point/sys
```

3. Copy resolv.conf to networking

Code:
```
# cp /etc/resolv.conf /mount/point/etc/resolv.conf
```

4.Open bash in chroot

Code:
```
# chroot /mount/point /bin/bash
```

5. Do what you have to do and then exit chroot

Code:
```
exit
```

there may be more elegant way of achieving this, but this one has stuck to me.

Hope this helps someone, this is probably posted on multiple sites, but what the heck, now no need to search around 🙂

Last edited by taavikko; May 12th, 2009 at 05:59 PM.

I won't answer to difficult guestions.

Adv Reply

May 11th, 2009   #2

davideotape 👤

Cookies and cream

🫘 🫘 🫘 🫘 🫘

Join Date:
Jun 2008

Location:
Manchester, UK

Beans:
425

Distro:
Ubuntu Development Release

Re: how to chroot, simple and fast

May I ask what this is used for and what it actually does?

Adv Reply

May 11th, 2009   #3

vade 👤
5 Cups of Ubuntu

Join Date:
Apr 2006

Location:
Finland
Beans:
42
Distro:
Ubuntu Development Release

Re: how to chroot, simple and fast

It creates a "jailed" copy of the current operating environment within the current operating environment, so you can run stuff without affecting your main environment.

Adv Reply

May 11th, 2009   #4

autocrosser 👤

I Ubuntu, Therefore, I Am

Join Date:
Jun 2005
Location:
Pacific NorthWest
Beans:
2,782
Distro:
Ubuntu Development Release

🙂 Re: how to chroot, simple and fast

I was just talking in the Hal thread & my script looks very similar......I'll post it this evening---at work right now......

"Let's nobody be dead today----Looks very bad on my report" One of my favourite lines from AVATAR 😄
Linux User#395230
Ubuntu User# 13498

Adv Reply

May 11th, 2009   #5

Starks 👤

Skinny Extra Sweet Ubuntu

Join Date:
Mar 2007
Location:
Hempstead, NY
Beans:
1,694
Distro:
Ubuntu Development Release

Re: how to chroot, simple and fast

Here's my chroot bash script.

Code:

```
#!/bin/bash
mount --bind /dev /media/disk/dev
mount --bind /proc /media/disk/proc
mount --bind /sys /media/disk/sys
mount --bind /dev/pts /media/disk/dev/pts
cp /etc/resolv.conf /media/disk/etc/resolv.conf
chroot /media/disk
```

The resolv.conf line is essential for using apt or aptitude to update your packages. Without it, you won't be able to use DNS.

Last edited by Starks; May 11th, 2009 at 08:31 PM.

Adv Reply

May 11th, 2009   **#6**

davideotape 👤

Cookies and cream

🫘 🫘 🫘 🫘 🫘

Join Date:
Jun 2008

Location:
Manchester, UK

Beans:
425

Distro:
Ubuntu Development Release

Re: how to chroot, simple and fast

So you could use it to test new packages then

Adv Reply

May 11th, 2009   **#7**

Reiger 👤
Tall Cafè Ubuntu

🍺 🫘 🫘 🫘 🫘

Join Date:
Jul 2008

Beans:
1,491

Re: how to chroot, simple and fast

Or fix a borked OS, because you get full control over the packages installed in the "jail".

Adv Reply

May 12th, 2009   **#8**

autocrosser 👤

Join Date:

I Ubuntu, Therefore, I Am

Jun 2005

Location:
Pacific NorthWest

Beans:
2,782

Distro:
Ubuntu Development Release

Re: how to chroot, simple and fast

Hey Starks---looks like you are using the same one I am---I just point to stuff that's in /mnt --- helps to
have 4 drives with 5 OS installs.....

Code:

```
#!/bin/bash
sudo mount --bind /dev /mnt/Karmic/dev
sudo mount --bind /proc /mnt/Karmic/proc
sudo mount --bind /sys /mnt/Karmic/sys
sudo cp /etc/resolv.conf /mnt/Karmic/etc/resolv.conf
sudo chroot /mnt/Karmic su
```

"Let's nobody be dead today----Looks very bad on my report" One of my favourite lines from AVATAR 😃
Linux User#395230
Ubuntu User# 13498

Adv Reply

May 12th, 2009

#9

taavikko 👤

Ubuntu Cappuccino Scuro

Join Date:
Apr 2007

Location:
/home/Helsinki

Beans:
Hidden!

Distro:
Ubuntu Development Release

Re: how to chroot, simple and fast

> 👥 Originally Posted by **Starks** ▣
>
> *Here's my chroot bash script.*
> *The resolv.conf line is essential for using apt or aptitude to update your packages. Without it,*
> *you won't be able to use DNS.*

If modem is providing the DNS then there's no need to copy resolv.conf
At least that I'm aware of.

Case may be different if behind proxy or connected directly to ISP

I won't answer to difficult questions.

Adv Reply

May 12th, 2009

#10

Starks

Skinny Extra Sweet Ubuntu

Join Date:
Mar 2007

Location:
Hempstead, NY

Beans:
1,694

Distro:
Ubuntu Development Release

Re: how to chroot, simple and fast

> **Originally Posted by taavikko**
>
> *If modem is providing the DNS then there's no need to copy resolv.conf*
> *At least that I'm aware of.*
>
> *Case may be different if behind proxy or connected directly to ISP*

As far as I understand, the resolv.conf step is necessary because the chroot'd environment is isolated from the internet under most circumstances.

Adv Reply

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