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Recovery a lilo update forgotten system from live disk

Sometimes you forget to do **lilo** after updating a kernel. In this manual we're going to recover the system!

Booting rescue GNU/Linux

Alright, you will need a Slackware (can be other, not very necessarily) LiveDVD.

Mounting system

Firstly we're going to mount our disk. If your system locates on only one partition, mount that:

```
mount /dev/sda1 /mnt
```

If on many:

```
mount /dev/sdaX /mnt #X - your root partition  
mount /dev/sdaZ /mnt/boot #Z - your boot partition
```

Mounting the necessary filesystems

Mount `/proc`, `/sys` and `/dev` is recommended, sometimes necessary.

```
mount -t proc /proc /mnt/proc  
mount --rbind /sys /mnt/sys  
mount --rbind /dev /mnt/dev
```

Download working kernel

If you don't already have a working kernel, you'll have to load it from slackware repositories.

```
# For Slackware64-14.2  
dhcpcd eth0  
  
cd /mnt/tmp  
curl -O
```

```
http://mirrors.slackware.com/slackware/slackware64-14.2/slackware64/a/kernel-generic-4.4.14-x86_64-1.txz
curl -O
http://mirrors.slackware.com/slackware/slackware64-14.2/slackware64/a/kernel-modules-4.4.14-x86_64-1.txz
```

Install the working kernel

```
ROOT=/mnt removepkg kernel-generic kernel-modules
ROOT=/mnt installpkg kernel-generic-4.4.14-x86_64-1.txz kernel-modules-4.4.14-x86_64-1.txz
```

Chrooting to the system

After chroot we're going to do **lilo** .

```
chroot /mnt
# I also recommend you to check lilo configuration
lilo
```

If you need some kernel modules for loading the system, you can also setup `initrd`.

```
mkinitrd -c -k 4.4.14 -m ext4 -f ext4 -r /dev/sdbX
nano /etc/lilo.conf # Configure initrd
lilo
```

We've done! You can exit and reboot to the system!

```
exit
reboot
```

From: <https://docs.slackware.com/> - **SlackDocs**

Permanent link: https://docs.slackware.com/wiki:user:reedych:system_recovery_from_live_disk

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