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## Boot Ubuntu Linux into Rescue mode to fix system

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**Q.** How do I boot my Ubuntu Linux server into Rescue mode to fix system?

**A.** You can boot Ubuntu Linux into rescue mode when things go wrong, there are several ways to work on fixing them. However, you must understand your system and what to fix in case of emergency.

[1]

Use this mode only if your system is unbootable. It is also recommended that you make backup of important data.

=> Start Computer / reboot computer

=> Put your Ubuntu install CD

=> Make sure BIOS is set to boot from CD

=> Now booting will start from Ubuntu install CD

=> You will see various option screen - select **Recover a broken system**

You will system is booting in to rescue mode; system will ask about Network and other information. This is required to setup rescue environment.

Now you will prompted to select root partition or device.

Next it will try to mount root device and it will notify the same.

Now you will see common rescue mode option such as Reinstall GRUB or open / execute a shell etc.

Now you are in rescue mode and you need to use your own knowledge to rescue the system. When things go wrong, there are several ways to work on fixing them.

### Few things to remember....

The rescue-mode CD mounts your root filesystem at /target directory. Open or execute a shell and change directory to /target

```
# ls /target
# cd /target
# mount
```

If you need to run fsck command use fdisk -l command to find out partition name. Usually they are located at /dev/discs/discX/partY. For example repair 2nd partition (not mounted as /target) you may type command:

```
# ls -l /dev/discs/disc0
# fsck.ext3 /dev/discs/disc0/part1
```

To exit type command :

```
# sync ;sync
# exit
# reboot
```

As I said earlier in rescue mode, there is no single command that I can recommend to fix problem. You need to use your own knowledge to rescue the system and don't forget to read command documentation before using any command.

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