

# Linux Stuff

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## AMDGPU

- [Radeon Software for Linux Installation](#)
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- [AMDGPU-PRO OpenCL with the open-source amdgpu kernel module](#)

## Useful commands

### Start GUI program as different user:

```
xhost +SI:localuser:testuser  
  
su - testuser -c "export DISPLAY=:0.0 && firefox"
```

After exit you should disable acces by running:

```
xhost -SI:localuser:testuser
```

Everything in one command:

```
xhost +SI:localuser:testuser && su - testuser -c "export DISPLAY=:0.0 &&  
firefox && exit" && xhost -SI:localuser:testuser
```

## Howto create and mount encrypted disk

### Create:

```
cryptsetup luksFormat /dev/sdb1  
cryptsetup luksOpen /dev/sdb1 crypto  
mkfs.ext2 /dev/mapper/crypto
```

## Mount:

```
cryptsetup luksOpen /dev/sdb1 crypto  
mount /dev/mapper/crypto /mnt/crypto
```

## Unmount:

```
umount /dev/mapper/crypto  
cryptsetup luksClose /dev/mapper/crypto
```

## Change Key:

In LUKS scheme, you have 8 “slots” for passwords or key files. First, check, which of them are used:

```
cryptsetup luksDump /dev/sdb1 | grep BLED
```

Then you can add, change or delete chosen keys:

```
cryptsetup luksAddKey /dev/sdb1 (/path/to/<additionalkeyfile>)
```

```
cryptsetup luksChangeKey /dev/sdb1 -S 6
```

As for deleting keys, you have 2 options:

a) delete any key that matches your entered password:

```
cryptsetup luksRemoveKey /dev/sdb1
```

b) delete a key in specified slot:

```
cryptsetup luksKillSlot /dev/sdb1 6
```

From:

<https://wiki.xw3.org/> - **wiki.xw3.org**

Permanent link:

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Last update: **2021-05-24**

