??????? - Cryptsetup

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??????? USB?????????????????????????

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```
sudo apt install cryptsetup
```

????????????????? /dev/sdb??? GParted ????????? /dev/sdb1???? ext4???

```
sudo cryptsetup --verbose --verify-passphrase luksFormat /dev/sdb1
```

> ???????????? ?? YES?
> ??????????

???????????

- ??????????????????
- ??????????????????? `/dev/mapper/<input-name>`

```
sudo cryptsetup luksOpen /dev/sdb1 sdb1
sudo fdisk -l
sudo mkfs.ext4 /dev/mapper/sdb1
sudo tune2fs -m 0 /dev/mapper/sdb1
```

????????????

```
sudo e2label /dev/mapper/sdb1 MyCCWallet
```

?????????????????????????????

```
sudo mkdir /mnt/encrypted

sudo mount /dev/mapper/sdb1 /mnt/encrypted

sudo touch /mnt/encrypted/test.txt
```

?????????????????

```
sudo umount /dev/mapper/sdb1

sudo cryptsetup luksClose sdb1
```

Linux Mint ????

?????????????? Linux Mint ???

ask_password.png

Optional: ????

How to find and verify which Luks slot a passphrase is in on Linux

```
# Do not activate device, just check

sudo cryptsetup --verbose open --test-passphrase /dev/vda3


Enter passphrase for /dev/vda3:

Key slot 0 unlocked.

Command successful.
```

Learning Cryptsetup

- [How to change LUKS disk encryption passphrase in Linux](#)
- [Create an encrypted file vault on Linux](#)