

# ???????? - 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
```

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

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```
sudo mkdir /mnt/encrypted
sudo mount /dev/mapper/sdb1 /mnt/encrypted
sudo touch /mnt/encrypted/test.txt
```

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```
sudo umount /dev/mapper/sdb1
sudo cryptsetup luksClose sdb1
```

## Linux Mint ????

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

[ask\\_password.png](#) ask for password and type it down

## 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](#)