

# Howto encrypt your filesystems

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A loopback device is a quick nice way to make a encrypted filesystem.

If you have compiled loopback and cryptoloop support as a module, you need to load these first:

```
modprobe loop;modprobe cryptoloop;modprobe cipher-aes
```

Basically you run:

```
losetup -e aes /dev/loop0 /dev/partition
```

You will be asked for a password. Then

```
mkfs -t ext3 /dev/loop0  
mount /dev/loop0 /path/to/mount
```

thanks to

>|DrEvil|>

alternatively, you can use a file instead of a whole partition:

```
dd if=/dev/zero of=/file bs=1k count=100  
losetup -e aes /dev/loop0 /file  
mkfs -t ext3 /dev/loop0  
mount /dev/loop0 /path/to/mount
```