

Howto encrypt your filesystems

by xiando (DrEvil)

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
```

image:rdf newsfeed / //static.linuxhowtos.org/data/rdf.png (null)

|
image:rss newsfeed / //static.linuxhowtos.org/data/rss.png (null)

|
image:Atom newsfeed / //static.linuxhowtos.org/data/atom.png (null)

- Powered by

image:LeopardCMS / //static.linuxhowtos.org/data/leopardcms.png (null)

- Running on

image:Gentoo / //static.linuxhowtos.org/data/gentoo.png (null)

-

Copyright 2004-2020 Sascha Nitsch Unternehmensberatung GmbH

image:Valid XHTML1.1 / //static.linuxhowtos.org/data/xhtml1.png (null)

:

image:Valid CSS / //static.linuxhowtos.org/data/css.png (null)

:

image:buttonmaker / //static.linuxhowtos.org/data/buttonmaker.png (null)

- Level Triple-A Conformance to Web Content Accessibility Guidelines 1.0 -

- Copyright and legal notices -

Time to create this page: ms

```
<!--  
image:system status display / /status/output.jpg (null)  
-->  
bodyloaded();
```