Create partition for swap (/dev/sdaX in this example). Prepare and enable it using *mkswap* and *swapon* commands. If you already use swap partition then omit these steps.

```
$ sudo mkswap /dev/sdaX
Setting up swapspace version 1, size = 4194300 KiB
no label, UUID=325d9718-8532-460d-afec-74e6ae9ae5f
$ sudo swapon /dev/sdaX
```

Execute *ecryptfs-setup-swap* script (it is part of *ecryptfs-utils* package):

```
$ sudo ecryptfs-setup-swap
```

**WARNING:**

An encrypted swap is required to help ensure that encrypted files are not leaked to disk in an unencrypted format.

**HOWEVER, THE SWAP ENCRYPTION CONFIGURATION PRODUCED BY THIS PROGRAM WILL BREAK HIBERNATE/RESUME ON THIS SYSTEM!**
NOTE: Your suspend/resume capabilities will not be affected.

Do you want to proceed with encrypting your swap? [y/N]: y

INFO: Setting up swap: [/dev/sdaX]
* Stopping remaining crypto disks...
  * cryptswap1 (stopped)... [ OK ]
* Starting remaining crypto disks...
  * cryptswap1 (starting)..
  * cryptswap1 (started)... [ OK ]
INFO: Successfully setup encrypted swap!

Changes are automatically applied to crypttab and fstab configuration files.

$ cat /etc/crypttab | grep /dev/sdaX
  cryptswap1 /dev/sdaX /dev/urandom swap,cipher=aes-cbc-essiv:sha256

$ cat /etc/fstab | grep cryptswap1
  /dev/mapper/cryptswap1 none swap sw 0 0

Source: https://blog.sleeplessbeastie.eu/2012/05/23/ubuntu-how-to-encrypt-swap-partition/