

How to make memstick.img

ericbsd



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- [#1](#)

I need info to make memstick.img for GhostBSD project.
If some one have an how to to make an memstick image.
Please reply.
thanks

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- [#2](#)

Code:

```
# make 2GB image file:
dd if=/dev/zero of=./memstick.img bs=1m count=2000

# load image as virtual disk device:
mdconfig -a -t vnode -f ./memstick.img -u 0

fdisk -iI /dev/md0
bsdlabel -wB /dev/md0s1
newfs /dev/md0s1a

mount /dev/md0s1a /mnt
cd /usr/src
make installkernel installworld DESTDIR=/mnt
umount /mnt

# insert memstick now, assuming it will be /dev/da0...
# raw copy virtual disk content to memstick.
dd if=/dev/md0 of=/dev/da0 bs=1m
```

Don't forget to configure /etc/fstab to mount / from USB

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- [#3](#)

Don't forget to make DESTDIR=/mnt distribution too.

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- [#4](#)

If you already have an image which will fit on the memory-stick you can try

Code:

```
dd if=/dev/zero of=/dev/da0 bs=1k count=1

bsdlabel -Bw da0 auto

newfs -L FreeBSD /dev/da0a

mdconfig -a -t vnode -f X.Y-IMGFILE -u 0 && mount -r -t cd9660 /dev/md0 /mnt/iso

mount /dev/da0a /mnt/USB-Stick

copy all files from your mounted cd in to your USB-Stick, after that you need to create a fstab for your USB-Stick

vi /mnt/USB-Stick/etc/fstab and put following in:
```

```
/dev/ufs/FreeBSD / ufs ro 0 0
```

<http://www.freebsdnews.net/2009/06/15/install-freebsd-80-usb-memory-stick/>

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- [#5](#)

It confused me for some time:
why "copying all files" will do the job. Aren't we supposed to also install boot loader (or something alike) into the MBR of the img?



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- [#6](#)

lgfang said:

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The [bsdlabeled\(8\)](#) command above does that.