FreeBSD: gmirror & gstripe

gmirror

add this line to /boot/loader.conf

[/boot/loader.conf](#)

```
geom_mirror_load="YES"
```

modify kern.geom.debugflags sysctl variable

```
sysctl kern.geom.debugflags=16
```

create the mirror with the first drive ad6

```
kldload geom_mirror
gmirror label -v -b round-robin gm0 /dev/ad6
```

edit /etc/fstab

```
# Device           Mountpoint      FStype  Options         Dump    Pass#
# /dev/ad6s1b    none            swap    sw              0       0
# /dev/ad6s1a    /               ufs     rw,noatime      1       1
/dev/mirror/gm0s1b      none            swap    sw              0       0
/dev/mirror/gm0s1a      /               ufs     rw,noatime      1       1
```

reboot, then add a second drive ad4

```
gmirror insert gm0 /dev/ad4

gmirror status
      Name     Status  Components
mirror/gm0  DEGRADED  ad6 (ACTIVE)
                      ad4 (SYNCHRONIZING, 17%)
```

gstripe

add this line to /boot/loader.conf

[/boot/loader.conf](#)

```
geom_stripe_load="YES"
```

make the stripe array

```
gstripe label -v st0 /dev/ad2 /dev/ad3
```

IF this is a boot volume add

```
fdisk -vBI /dev/stripe/st0
```

make a partition table

```
bsdlabel -wB /dev/stripe/st0
newfs -U /dev/stripe/st0a
```

edit fstab adding a line like this

[/etc/fstab](#)

```
/dev/stripe/st0a /mnt ufs rw 2 2
```

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