

# Create a flash drive image

Reference: <https://superuser.com/questions/668485/creating-a-fat-file-system-and-save-it-into-a-file-in-gnu-linux>

## Create a blank file:

```
dd if=/dev/zero of=test-disk.img bs=1024 count=SIZE status=progress  
# size = SIZE*bs
```

## Format as FAT32:

```
mkfs.vfat test-disk.img
```

## Mount:

```
sudo mkdir /mnt/test-dir  
sudo mount -o loop test-disk.img /mnt/test-dir/
```

## Copy files:

```
sudo rsync -rv --ignore-existing some_directory/* /mnt/test-disk/
```

## Unmount:

```
sudo umount /mnt/test-disk  
sudo rmdir /mnt/test-disk
```

## Clone to flash drive:

```
dd if=test-disk.img of=/dev/mmcblk0 bs=4M status=progress
```

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