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Linux / UNIX: Create Large 1GB Binary Image File With dd Command

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How do I create 1 GB or 10 GB image file instantly with dd command under UNIX / Linux / BSD operating systems using a shell prompt?

You can use dd command to create image files for network or file system testing. First, make sure you've sufficient disk space to create a image file using dd:
$ df -H
To create 1MB file (1024kb), enter:

[1]

```
$ dd if=/dev/zero of=test.img bs=1024 count=0 seek=1024
```

To create 10MB file , enter:

```
$ dd if=/dev/zero of=test.img bs=1024 count=0 seek=$[1024*10]
```

To create 100MB file , enter:

```
$ dd if=/dev/zero of=test.img bs=1024 count=0 seek=$[1024*100]
$ ls -lh test.img
```

To create 10GB, file:

```
$ dd if=/dev/zero of=10g.img bs=1000 count=0 seek=$[1000*1000*10]
```

Sample output:

```
0+0 records in
0+0 records out
0 bytes transferred in 0.000014 secs (0 bytes/sec)
```

Verify file size (note bs factor in original dd command):

```
$ ls -lh 10g
```

-rw-r--r-- 1 root wheel 9.3G Jun 2 12:07 10g.img

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