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File size limit exceeded error under Linux and solution

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Q. I am trying to copy a file called act.dat and I am getting an error "file size limit exceeded" under Linux. How do I get rid of this error? In addition, I do have enough disk space to copy this file.

A. Your system administrator must have imposed limitation on your account for file size creation.. Just run ulimit command to find out file size limitation:

\$ ulimit -a

Output:

```
core file size          (blocks, -c) 0
data seg size           (kbytes, -d) unlimited
max nice                (-e) 0
file size               (blocks, -f) 5000
pending signals         (-i) unlimited
max locked memory       (kbytes, -l) unlimited
max memory size         (kbytes, -m) unlimited
open files              (-n) 1024
pipe size               (512 bytes, -p) 8
POSIX message queues    (bytes, -q) unlimited
max rt priority         (-r) 0
stack size              (kbytes, -s) 8192
cpu time                (seconds, -t) unlimited
max user processes      (-u) 2047
virtual memory          (kbytes, -v) unlimited
file locks              (-x) unlimited
```

The above output clearly stat that you can create file size upto 5MB limit. To change this limit or if you do not wish to have a limit you can edit your /etc/security/limits.conf file (login as the root):

```
# vi /etc/security/limits.conf
```

Look for your username and fsiz parameter. Delete this line or set new parameter. For example consider following entry where I am setting new file size limit to 1 GB:

```
vivek      hard  fsiz  1024000
```

Save the changes. Log out and log back in for the changes to take effect.

Now your limit is 1GB file size. If you do not want any limit remove fsiz from /etc/security/limits.conf.

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