

## ARTIGO: 689

### Amazon EC2 + Docker + Resource temporarily unavailable

Error:

```
runtime/cgo: pthread_create failed: Resource temporarily unavailable
SIGABRT: abort
PC=0x7fcd25acef47 m=8 sigcode=18446744073709551610

goroutine 0 [idle]:
runtime: unknown pc 0x7fcd25acef47
stack: frame={sp:0x7fcd07ffe840, fp:0x0} stack=[0x7fcd07ff288,0x7fcd07fee88)
```

Fix:

Check DefaultTasksMax

```
$ systemctl show --property DefaultTasksMax
```

Edit system.conf

```
$ sudo vim /etc/systemd/system.conf
```

Increase DefaultTasksMax

```
DefaultTasksMax=15288
```

Restart

```
$ sudo systemctl daemon-reload
$ sudo systemctl daemon-reexec
$ sudo service systemd-logind restart
```

Check changes

```
$ systemctl show --property DefaultTasksMax
```

Add native.cgroupdriver=cgroups on dockerd start config

```
$ vim /lib/systemd/system/docker.service
```

Like this

```
[Service]
ExecStart=/usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --exec-opt native.cgroupdriver=cgroups
```

Increase file size limit

# edit the following file

```
$ sudo vim /etc/security/limits.conf
```

# add following lines to it

```
* soft nproc 65535
```

```
* hard nproc 65535
* soft nofile 65535
* hard nofile 65535
root soft nproc 65535
root hard nproc 65535
root soft nofile 65535
root hard nofile 65535
```

# edit the following file

```
$ sudo vim /etc/pam.d/common-session
```

# add this line to it

```
session required pam_limits.so
```

# logout and login and try the following command

```
$ ulimit -n
```

#### References

<https://github.com/moby/moby/issues/16256>

<https://medium.com/@muhammadtriwibowo/set-permanently-ulimit-n-open-files-in-ubuntu-4d61064429a>

<https://www.suse.com/support/kb/doc/?id=000015901>