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BIND: Max open files (1024) is smaller than max sockets (4096) Error and Solution

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While going through my logs I found that BIND9 on Debian version 5.x is giving a warning which read as follows:



max open files (1024) is smaller than max sockets (4096)

How do I fix this problem?

The "open files is smaller than max sockets" problem is kernel bug which is already fixed in 2.6.28. Linux kernel returns EPERM when RLIMIT_NOFILE is set to RLIM_INFINITY. To fix this issue update your Linux kernel using yum or apt-get command.

```
# yum update
```

OR

```
# apt-get update  
# apt-get upgrade
```

Reboot the server. Verify error is not reported after boot:

```
# tail -f /var/log/messages
```

See kernel bug # [461458](#) ^[2] and [515673](#) ^[3] for more information.

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URLs in this post:

[1] Image: <http://www.cyberciti.biz/faq/category/bind-dns/>

[2] 461458: https://bugzilla.redhat.com/show_bug.cgi?id=461458

[3] 515673: <http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=515673>