

# Tuning the Linux kernel for better network throughput

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The Linux kernel and the distributions that package it typically provide very conservative defaults to certain network settings that affect networking parameters. These settings can be tuned via the `/proc` filesystem or using the `sysctl` program. The latter is often better, as it reads the contents of `/etc/sysctl.conf`, which allows you to keep settings across reboots.

The following is a snippet from `/etc/sysctl.conf` that may improve network performance:

```
net.ipv4.tcp_window_scaling = 1
net.ipv4.tcp_syncookies = 1
net.core.rmem_max = 16777216
net.core.wmem_max = 16777216
net.ipv4.tcp_rmem = 4096 87380 16777216
net.ipv4.tcp_wmem = 4096 65536 16777216
```

The above isn't to replace what may already exist in `/etc/sysctl.conf`, but rather to supplement it.

[More Here](#) [1].

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**Source URL:** <http://www.tuxmachines.org/node/17452>

**Links:**

[1] <http://www.zdnetindia.com/index.php?action=article&prodid=8288>