

Table Of Contents

Table Of Contents .....	1
-------------------------	---

[Home](#) > [Faq](#) > [Debian / Ubuntu](#)

## Linux disable or drop / block ping packets all together

Posted by [Vivek Gite](#) <[vivek@nixcraft.com](mailto:vivek@nixcraft.com)>



[1]

Q. How do I disable or drop all ping packets all together?

A. Generally you can use [iptables](#) <sup>[2]</sup> to block or allow ping requests.

You can setup kernel variable to drop all ping packets. Type the following command at shell prompt:

```
# echo "1" > /proc/sys/net/ipv4/icmp_echo_ignore_all
```

This instructs the kernel to simply ignore all ping requests (ICMP type 0 messages). To enable ping request type the command:

```
echo "0" > /proc/sys/net/ipv4/icmp_echo_ignore_all
```

You can add following line to /etc/sysctl.conf file:

```
# vi /etc/sysctl.conf
```

Append following line:

```
net.ipv4.icmp_echo_ignore_all = 1
```

Save and close the file.

Sometimes ping request can be handy for testing your own server. You can disable ICMP type 0 [messages in the firewall](#) <sup>[2]</sup> so that local administrators to continue to use ping command for their own server. Following command block all ICMP packets including ping request:

```
# iptables -A INPUT -p icmp -j DROP
```

4000+ howtos and counting! Want to read more Linux / UNIX howtos, tips and tricks? Subscribe to our [daily email](#) newsletter or [weekly newsletter](#) to make sure you don't miss a single tip/tricks. Alternatively, subscribe via [RSS/XML](#) feed.

Article printed from Frequently Asked Questions About Linux / UNIX: <http://www.cyberciti.biz/faq/>

URL to article: <http://www.cyberciti.biz/faq/howto-drop-block-all-ping-packets/>

URLs in this post:

[1] Image: <http://www.cyberciti.biz/faq/faq/category/linux/>

[2] iptables: <http://www.cyberciti.biz/tips/linux-iptables-9-allow-icmp-ping.html>