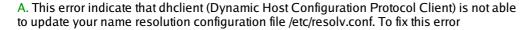# Table Of Contents

## DHCP Client Error: mv cannot move /etc/resolv.conf.dhclient-new to /etc/resolv.conf: Operation not permitted

Posted by Vivek Gite <vivek@nixcraft.com>

Q. I'm getting following error on my Debian Linux system:

**mv cannot move /etc/resolv.conf.dhclient-new to /etc/resolv.conf: Operation not permitted**

How do I fix this problem?

A. This error indicate that dhclient (Dynamic Host Configuration Protocol Client) is not able to update your name resolution configuration file /etc/resolv.conf. To fix this error

[1]

## Run dhclient as root user

Use sudo command to run dhclient, enter:

```
$ sudo dhclient eth0
```

## Make sure /etc/resolv.conf is not write protected

Use lsattr [2], command to view file attributes:

```
$ lsattr /etc/resolv.conf
```

Output:

```
----i------------- /etc/resolv.conf
```

A file with the i attribute cannot be modified: it cannot be deleted or renamed, no link can be created to this file and no data can be written to the file for any user including root user. Clear i attribute, enter:

```
$ sudo chattr -i /etc/resolv.conf
```

Now run dhclient again to update file and to obtained new IP address.

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URLs in this post:

[1] Image: **http://www.cyberciti.biz/faq/faq/category/troubleshooting/**
[2] lsattr: **http://www.cyberciti.biz/faq/how-to-make-a-file-unchangeable-unalterable-so-that-no-one-can-modify-it/**