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## OpenBSD Change / Set IP Address For Network Interface

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This entry is part 3 of 5 in the series [OpenBSD Networking](#) <sup>[1]</sup>

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**Q.** How do I configure or change existing IP address under OpenBSD operating system? How do I configure TCP / IP under OpenBSD?

**A.** . Under OpenBSD network interface-specific configuration stored in files located at /etc directory. First you need to find out your interface name using ifconfig command. If your interface name is pcn0, open /etc/hostname.pcn0 file for TCP/IP configuration.

The hostname.\* and bridgename.\* files contain information regarding the configuration of each network interface. One file should exist for each interface that is to be configured, such as hostname.fxp0 or bridgename.bridge0. However, a configuration file is not needed for lo0.



## Task Find out current interface name and IP information

Type the following command at a shell prompt:

```
# ifconfig
```

Sample output:

```
lo0: flags=8049 mtu 33224
      groups: lo
      inet 127.0.0.1 netmask 0xff000000
      inet6 ::1 prefixlen 128
      inet6 fe80::1%lo0 prefixlen 64 scopeid 0x4
pcn0: flags=8843 mtu 1500
      lladdr 00:0c:29:7a:b5:ce
      groups: egress
      media: Ethernet autoselect (autoselect)
      inet 74.86.49.141 netmask 0xffffffff broadcast 74.86.49.143
      inet6 fe80::20c:29ff:fe7a:b5ce%pcn0 prefixlen 64 scopeid 0x1
pflog0: flags=0<> mtu 33224
enc0: flags=0<> mtu 1536
```

## Task: View pcn0 interface TCP / IP configuration

Type the following command:

```
# cat /etc/hostname.pcn0
```

Sample output:

```
inet 74.86.49.141 255.255.255.240 NONE
```

## Task: Change IP configuration

To set new IP address open interface configuration file /etc/hostname.pcn0

```
# vi /etc/hostname.pcn0
```

Append/modify configuration:

```
inet 192.168.1.5 255.255.255.0 NONE
```

Save and close the file.

## How do I restart or update networking configuration

To reset or restart an existing interface to its default state or update state, by invoking the following, where pnc0 is the interface name:

```
# sh /etc/netstart pnc0
```

## Assign ip address using ifconfig command

You can assign the address of 192.168.1.5 with a network mask of 255.255.255.0 to interface pnc0, use:

```
# ifconfig pnc0 inet 192.168.1.5 netmask 255.255.255.0
```

Series Navigation

«[OpenBSD Change Hostname](#) <sup>[3]</sup> [OpenBSD Restart Networking Service](#)» <sup>[4]</sup>

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