

# NetBSD network configuration

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## Summary

In this part i'll show you how to enable NetBSD dhcp daemon for internet connection. Most of the time there is already a dhcp service in your network (your router, virtualbox). So there is no need for manual ip configuration.

If you need to set manual ip configuration for your network or enabling dhcp daemon did not work for you, please visit this website for more information: [Setting up TCP/IP on NetBSD in practice](#)

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## Instructions

1- Start and login to your system.

```
/etc/rc.d/postfix exited with code 1
Starting inetd.
Starting cron.
The following components reported failures:
  /etc/rc.d/postfix
See /var/run/rc.log for more information.
Thu Mar  3 06:51:27 UTC 2022

NetBSD/i386 (Ammesiac) (constty)

login: a
Password:
Mar  3 03:53:01 login: a on tty constty
Last login: Wed Mar  2 09:26:38 2022 on constty
Copyright (c) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005,
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  2018, 2019, 2020 The NetBSD Foundation, Inc.  All rights reserved.
Copyright (c) 1982, 1986, 1989, 1991, 1993
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NetBSD 9.2 (GENERIC) #0: Wed May 12 13:15:55 UTC 2021

Welcome to NetBSD!

$ █
```

2- Switch to **root** user with **su** command.

```
$ su
Password:
Mar  3 03:53:45 su: a to root on /dev/constty
#
```

3-Open **/etc/rc.conf** configuration file with **vi** program.


```
localhost# vi /etc/rc.conf
```

4- At the end of the file, add `dhcpcd=YES` configuration and save the file.

```
#
# See rc.conf(5) for more information.
#
# Use program=YES to enable program, NO to disable it. program_flags are
# passed to the program on the command line.
#
# Load the defaults in from /etc/defaults/rc.conf (if it's readable).
# These can be overridden below.
#
if [ -r /etc/defaults/rc.conf ]; then
    . /etc/defaults/rc.conf
fi

# If this is not set to YES, the system will drop into single-user mode.
#
rc_configured=YES

# Add local overrides below.
#
raidframe=NO
cgd=NO
wscons=YES
dhcpcd=YES
/etc/rc.conf: 26 lines, 564 characters.
```



5- Restart your system with `shutdown -r now` command.

```
# shutdown -r now
```

```
# shutdown -r now
Shutdown NOW!
shutdown: [pid 41]
# wall: You have write permission turned off; no reply possible

*** FINAL System shutdown message from a@ ***
System going down IMMEDIATELY

Mar  3 03:57:15  shutdown: reboot by a:

System shutdown time has arrived

About to run shutdown hooks...
Stopping cron.
Stopping inetd.
Saved entropy to /var/db/entropy-file.
Forcibly unmounting /var/shm
Removing block-type swap devices
swapctl: removing /dev/dk1 as swap device
Thu Mar  3 03:57:17 UTC 2022
```

6- When your system starts again login and try to ping google with command **ping google.com** . If you are getting any response, you're connected to internet.

```
NetBSD/i386 (localhost) (constty)

login: a
Password:
Mar  3 04:00:13 localhost login: a on tty constty
Last login: Thu Mar  3 03:53:01 2022 on constty
Copyright (c) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005,
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Copyright (c) 1982, 1986, 1989, 1991, 1993
    The Regents of the University of California.  All rights reserved.

NetBSD 9.2 (GENERIC) #0: Wed May 12 13:15:55 UTC 2021

Welcome to NetBSD!

localhost$ ping google.com
PING google.com (142.250.187.142): 56 data bytes
64 bytes from 142.250.187.142: icmp_seq=0 ttl=57 time=30.229513 ms
64 bytes from 142.250.187.142: icmp_seq=1 ttl=57 time=42.988831 ms
64 bytes from 142.250.187.142: icmp_seq=2 ttl=57 time=29.680442 ms
64 bytes from 142.250.187.142: icmp_seq=3 ttl=57 time=29.136695 ms
64 bytes from 142.250.187.142: icmp_seq=5 ttl=57 time=51.590806 ms
64 bytes from 142.250.187.142: icmp_seq=6 ttl=57 time=36.591448 ms
```