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Openbsd change, add or display default gateway

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Q. How do I change existing openbsd gateway (openbsd routing) IP address?

A. OpenBSD use special file to store default gateway /etc/mygate .



You need to put the IP of your gateway in the file /etc/mygate. This will allow for your gateway to be set upon boot. The gateway is added to the routing tables by the route utility. If /etc/mygate does not exist, no default gateway is added to the routing

tables. The file may contain gateway addresses for both IPv4 and IPv6 networks: in dotted quad notation for v4 (e.g. 192.0.2.0) or in colon notation for v6 (e.g. 2001:1234:5678::1). Each address must be specified on a separate line. If more than one address of a specific family is found, only the first is used - all other addresses of that family are ignored (source man page).

Task: Display default gateway

Type the following command

```
$ cat /etc/mygat
```

Output:

```
75.126.68.49
```

75.126.68.49 is the router IP address.

You can also type any one of the following command to display router IP address:

```
$ route show
```

OR

```
$ netstat -rn
```

Output:

Routing tables

Internet:

Destination	Gateway	Flags	Refs	Use	Mtu	Interface
default	75.126.68.49	UGS	7	1203	-	pcn0
75.126.68.48/29	link#1	UC	1	0	-	pcn0
75.126.68.49	00:15:c7:32:a0:00	UHLc	1	0	-	pcn0
127/8	127.0.0.1	UGRS	0	0	33192	lo0
127.0.0.1	127.0.0.1	UH	1	0	33192	lo0
224/4	127.0.0.1	URS	0	0	33192	lo0

Internet6:

Destination	Gateway	Flags	Refs	Use
::/104	:::1	UGRS	0	0
::/96	:::1	UGRS	0	0
:::1	:::1	UH	12	0
::127.0.0.0/104	:::1	UGRS	0	0
::224.0.0.0/100	:::1	UGRS	0	0
::255.0.0.0/104	:::1	UGRS	0	0
::ffff:0.0.0.0/96	:::1	UGRS	0	0
2002::/24	:::1	UGRS	0	0
2002:7f00::/24	:::1	UGRS	0	0
2002:e000::/20	:::1	UGRS	0	0
2002:ff00::/24	:::1	UGRS	0	0
fe80::/10	:::1	UGRS	0	0
fe80::%pcn0/64	link#1	UC	0	0
fe80::20c:29ff:fe7b:6672%pcn0	00:0c:29:7b:66:72	UHL	0	0
fe80::%lo0/64	fe80::1%lo0	U	0	0
fe80::1%lo0	link#5	UHL	0	0
fec0::/10	:::1	UGRS	0	0
ff01::/32	:::1	UC	0	0
ff02::%pcn0/32	link#1	UC	0	0
ff02::%lo0/32	:::1	UC	0	0

Task: Update or change OpenBSD default gateway

Open file using vi text editor

```
# vi /etc/mygat
```

Remove existing IP and put new IP address:

```
75.126.68.100
```

Save and close the file. To activate the changes type the command:

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

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