

Show Connected Multicasts

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This page discusses two tools. `ngstat` and `ip`

To show if an interface is actively listening to any multicast streams, we can show this by using the `netstat` command: (`netstat -ng`)

```
netstat -ng

IPv6/IPv4 Group Memberships
Interface      RefCnt Group
-----
lo              1      224.0.0.1
eth2            4      239.0.200.1
eth2            1      224.0.0.1
eth3            1      224.0.0.1
eth4            1      224.0.0.1
eth5            1      224.0.0.1
eth0            1      224.0.0.1
eth1            1      224.0.0.1
lo              1      ff02::1
eth2            1      ff02::1
eth3            1      ff02::1
eth4            1      ff02::1
eth5            1      ff02::1
eth0            1      ff02::1
eth1            1      ff02::1
```

This is a packager (v8) that I have setup a service on. That service is an ABR service containing four streams, so the line:

`eth2 4 239.0.200.1`

Is interesting to me, I can see that from address 239.0.200.1 (the MFEL multicast output) Interface 2 is connected to four multicasts.

Another tool we can use is `ip maddr` this gives more information.

```
1:      lo
      inet  224.0.0.1
      inet6 ff02::1
2:      eth2
      link  01:00:5e:00:c8:01
      link  33:33:00:00:00:01
      link  01:00:5e:00:00:01
      inet  239.0.200.1 users 4
      inet  224.0.0.1
      inet6 ff02::1
3:      eth3
      link  01:00:5e:00:00:01
      inet  224.0.0.1
      inet6 ff02::1
4:      eth4
      link  33:33:00:00:00:01
      link  01:00:5e:00:00:01
      inet  224.0.0.1
      inet6 ff02::1
5:      eth5
      link  01:00:5e:00:00:01
      inet  224.0.0.1
      inet6 ff02::1
6:      eth0
      link  33:33:00:00:00:01
      link  01:00:5e:00:00:01
      inet  224.0.0.1
```

```
7:      inet6 ff02::1
      eth1
      link 01:00:5e:00:00:01
      inet 224.0.0.1
      inet6 ff02::1
```

On interface 2, we can see the same information, but just formatted in a different way:

```
eth2
link 01:00:5e:00:c8:01
link 33:33:00:00:00:01
link 01:00:5e:00:00:01
inet 239.0.200.1 users 4
inet 224.0.0.1
inet6 ff02::1
```

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