

Multicast Route

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Multicast routes are a similar concept to IP Routes, but as the name implies they are for Multicast addresses (which are class D), rather than standard IP Addresses (which are class A, B and C). For Unicast I would surmise you still use IP Routes.

There are two main ways to add a Multicast Route.

1. Create a routing file in (CentOS) `/etc/sysconfig/network-scripts/`
2. Add the route from the command line.

1. Create a routing file

In this example, we will define that all multicast traffic in the range 239.X.Y.Z will be listened on the eth2 interface.

To do this, navigate to the location where all the interface configuration files are held. On CentOS this is `/etc/sysconfig/network-scripts`

```
cd /etc/sysconfig/network-scripts
```

Create a **route config file** for your interface (eth2 in this example).

```
vi /etc/sysconfig/network-scripts/route-eth2
```

Note, the filename is the word "route" + "-" + "interface name". So if your interface name was eno33559296, then your route file would be called route-eno33559296.

Now add your routing parameters.

```
GATEWAY0=11.0.100.1 NETMASK0=255.0.0.0 ADDRESS0=239.0.0.0
```

The above routing information routes all traffic that has a multicast address of 239.x.x.x and a subnet of 255.0.0.0 to interface eth2 (as dictated by the name of the file "route-eth2").

This will route all multicast traffic requests on 239.X.Y.Z scope to interface Eth2, which has the IP address 11.0.100.1. The 'Gateway' in this instance is an interface address.

Save and close the file. Restart networking or restart the server.

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