

• To see the interfaces on the hosts use ip link command

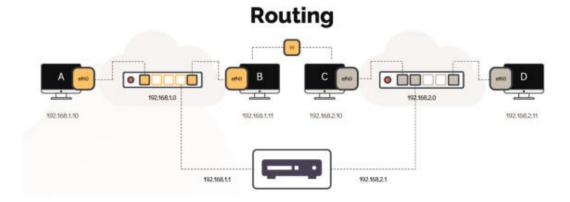
 $[\sim]$ \$ ip link

eth0:  $\mbox{\tt <BROADCAST,MULTICAST,UP,LOWER\_UP>}$  mtu 1500 qdisc fq\_codel state UP mode DEFAULT group default qlen 1000 • To connect to the switch we use ip addr add command

[~]\$ ip addr add 192.168.1.10/24 dev eth0

## Routing

· Router helps to connect to two seprate networks together.



• To see the existing routing table configuration run the route command.

[~]\$ route
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface

• To configure a gateway on system B to reach the system on other network run

[~]\$ ip route add 192.168.2.0/24 via 192.168.1.1

[~]\$ route

Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
192.168.2.0 192.168.1.1 255.255.255.0 UG 0 0 0 eth0

• To see the ip addresses assign to interfaces use

[~]\$ ip addr

•

[~]\$ ip route

• To make this changes permanent you must set them in /etc/network/interfaces file.