

Forward all incoming packets through a certain port to destination address by iptables on CentOS7

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Forward all incoming packets through a certain port

In this example all incoming traffic on port 80 redirect to port 8123

```
iptables -t nat -I PREROUTING --src 0/0 --dst 192.168.1.5 -p tcp --dport 80 -j REDIRECT --to-ports 8123
```

Below is a case to forward all the incoming packets to two different local mysql servers

```
sudo iptables -F
sudo iptables -t nat -F
sudo iptables -t mangle -F
sudo iptables -t nat -A PREROUTING -p tcp -i eth0 --dport 63001 -j DNAT --to-destination 10.0.3.10:3306
sudo iptables -t nat -A PREROUTING -p tcp -i eth0 --dport 63101 -j DNAT --to-destination 10.0.3.20:3306
sudo iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE
```

Below is a case to forward all the incoming packets to two different local mysql servers as well as Redis

```
sudo iptables -F
sudo iptables -t nat -F
sudo iptables -t mangle -F
sudo iptables -t nat -A PREROUTING -p tcp -i eth0 --dport 63001 -j DNAT --to-destination 10.0.3.10:3306
sudo iptables -t nat -A PREROUTING -p tcp -i eth0 --dport 64001 -j DNAT --to-destination 10.0.3.10:6379
sudo iptables -t nat -A PREROUTING -p tcp -i eth0 --dport 63101 -j DNAT --to-destination 10.0.3.20:3306
sudo iptables -t nat -A PREROUTING -p tcp -i eth0 --dport 64101 -j DNAT --to-destination 10.0.3.20:6379
sudo iptables -t nat -A PREROUTING -p tcp -i eth0 --dport 60050 -j DNAT --to-destination 10.0.3.50:5044
sudo iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE
```

Show all the list in the iptables

```
sudo iptables -S
```

or

```
sudo iptables -t nat -L --line-numbers
```

Delete all existing rules

```
sudo iptables -F
```

Save the existing iptable settings

```
/etc/init.d/iptables save
```

To restore the settings

```
/etc/init.d/iptables start
```