

Routing with CentOS 7



Andrew Mallett

LINUX AUTHOR AND TRAINER

@theurbanpenguin web.theurbanpenguin.com



Exam Objectives



Statically route IP traffic

Dynamically route IP traffic

**Configure a system to perform Network
Address Translation**



Demo



Display route tables

Adding routes

Configuring a Linux system as router

Allowing access to the internet via NAT



Reconfigure VM Networks



Display Route Tables



Adding Routes



Configuring CentOS as a Router



Network Address Translation



Route Table



`ip route show`

`route`

`netstat -nr`

`ip route add default via 192.168.56.104`



Enable Routing



```
vim /etc/sysctl.conf
```

```
net.ipv4.ip_forward=1
```

```
sysctl -p
```



NAT



```
iptables -t nat -A POSTROUTING \  
-o enp0s3 -j MASQUERADE
```

Next Up: Firewalling with
Firewalld

