

# Network Services

---



**Andrew Mallett**

LINUX AUTHOR AND TRAINER

@theurbanpenguin web.theurbanpenguin.com



# Exam Objectives



**Configure networking and hostname resolution statically or dynamically**

**Configure network services to start automatically at boot**

**Start, stop, and check the status of network services**

# Demo



Display IP Address Information

Working with the Network Manager

Working with the Network Service

Static interface configuration files



# IP Addresses

**IPv4**

**32 Bit Dotted Decimal**

**192.168.1.1**

**127.0.0.1**

**IPv6**

**128 Bit Quad Hex**

**2001:ab2::a1**

**::1**



# Display and Set IP Addresses

---



# Working with the Network Manager Service

---



# Working with the Network Service

---



# Static Configuration Files

---





ip



`ip addr show`

`ip -4 a s`

`ip -6 a s enp0s8`

`ip addr add 192.168.0.199/24 dev enp0s8`



# NetworkManager



`systemctl status NetworkManager`

`nmcli con show enp0s8`

# network



```
systemctl status network
```

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

```
NM_CONTROLLED=no
```



Next Up: Routing in CentOS 7

