

# 205.2 - Advanced Network Configuration and Troubleshooting

## Weight: 4

Description: Candidates should be able to configure a network device to implement various network authentication schemes. This objective includes configuring a multi-homed network device and resolving communication problems.

## Key Knowledge Areas:

- Utilities to manipulate routing tables
- Utilities to configure and manipulate ethernet network interfaces
- Utilities to analyze the status of the network devices
- Utilities to monitor and analyze the TCP/IP traffic

## Terms and Utilities:

- ip
- ifconfig
- route
- arp
- ss
- netstat
- lsof
- ping, ping6
- nc
- tcpdump
- nmap