

# 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
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