



SKILL BASED

IT TRAINING

AS441

ADVANCED SERVER SUPPORT 1
PROFESSIONAL DEGREE IN IT SUPPORT

Total: 35 marks

QUESTION:

1. As a network engineer, what are the commands tool will perform to do troubleshoot?
What are the difference between traceroute and tracert and what is the function?
(5 marks)
2. Based on Figure 1, please explain port scanning techniques.

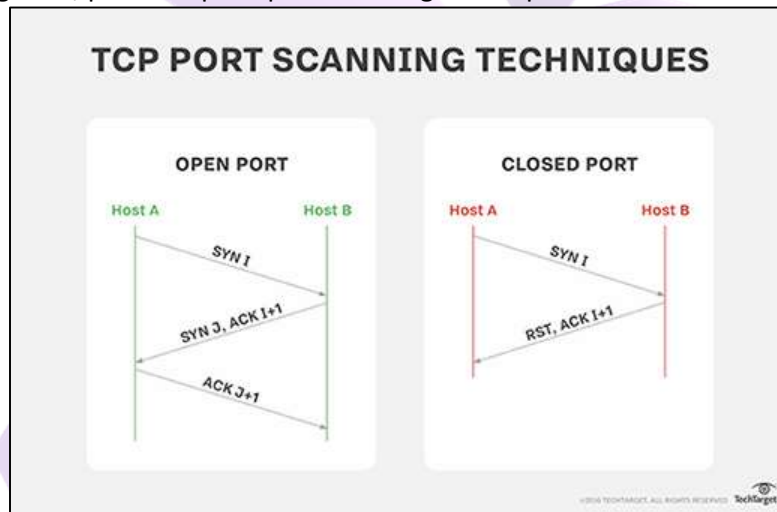


Figure 1

(10 marks)

3. Figure 2 shows a sample terminal. After input conf, the hostname was changed from ~\$ to #. What does it mean and what it is changing?

```
vyos@vyos:~$ conf
[edit]
vyos@vyos#
```

Figure 2

(10 marks)

4. Below shown some command to set in firewall. Please describe each command based on your understanding.

```
set firewall name IPv4PolicyViolation description "Block-list suspect hosts"  
set firewall name IPv4PolicyViolation default-action accept  
set firewall name IPv4PolicyViolation rule 1 action drop  
set firewall name IPv4PolicyViolation rule 1 source address <ip>  
set interface ethernet eth2 firewall in name IPv4PolicyViolation  
commit  
save  
exit
```

Figure 3

(10 marks)



SKILL BASED
IT TRAINING