

EX NO : 7 SECURE NETWORK ARCHITECTURE NAME : NITHEESH K K
DATE : 13.4.2025 ROLL NO : 231901035

AIM:

Learn about and implement security best practices

for network environments. TASK 2 : NETWORK SEGMENTATION

TASK 3 : COMMON SECURE NETWORK ARCHITECTURE

How many trunks does the network consist of?
TASK 4 : NETWORK SECURITY POLICIES AND CONTROLS

4

✓ Correct Answer

💡 Hint

What is the VLAN tag ID for interface eth12?

30

✓ Correct Answer

💡 Hint

From the above table, what zone would a user connecting to a public web server be in?

External

✓ Correct Answer

💡 Hint

From the above table, what zone would a public web server be in?

DMZ

✓ Correct Answer

💡 Hint

From the above table, what zone would a core domain controller be placed in?

Restricted

✓ Correct Answer

💡 Hint

According to the corresponding ACL policy, will the first packet result in a drop or accept?

accept

✓ Correct Answer

According to the corresponding ACL policy, will the second packet result in a drop or accept?

drop

✓ Correct Answer

TASK 5 : ZONE-PAIR POLICIES AND FILTERING

TASK 6 : VALIDATING NETWORK TRAFFIC

TASK 7 : ADDRESSING COMMON ATTACKS

CONCLUSION :

Tryhackme platform secure network architecture task is successfully executed.s

Does SSL inspection require a man-in-the-middle proxy? (Y/N)

Y

✓ Correct Answer

What platform processes data sent from an SSL proxy?

Unified Threat Management

✓ Correct Answer

Where does DHCP snooping store leased IP addresses from untrusted hosts?

DHCP Binding Database

✓ Correct Answer

Will a switch drop or accept a DHCPRELEASE packet?

Drop

✓ Correct Answer

Does dynamic ARP inspection use the DHCP binding database? (Y/N)

Y

✓ Correct Answer

Dynamic ARP inspection will match an IP address and what other packet detail?

MAC Address

✓ Correct Answer