

Ex.no : 7

ROLL NO : 231901004

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## SECURE NETWORK ARCHITECTURE

### AIM:

Learn about and implement security best practices for network environments.

The screenshot displays the TryHackMe interface for the 'Secure Network Architecture' learning room. The top navigation bar includes links for Dashboard, Learn, Compete, and Other, along with a search icon, a 'Go Premium' button, and a user profile icon. The room title 'Secure Network Architecture' is prominently displayed, accompanied by a description: 'Learn about and implement security best practices for network environments.' Below the title, the difficulty level is marked as 'Medium' and the estimated completion time is '60 min'. A progress bar at the bottom of the header indicates 'Room completed (100%)'. The main content area lists eight tasks, each with a green checkmark indicating completion:

- Task 1: Introduction
- Task 2: Network Segmentation
- Task 3: Common Secure Network Architecture
- Task 4: Network Security Policies and Controls
- Task 5: Zone-Pair Policies and Filtering
- Task 6: Validating Network Traffic
- Task 7: Addressing Common Attacks
- Task 8: Conclusion

The background of the room header features a dark theme with a green globe and various network-related icons, including a radar and a bar chart.

How many trunks are present in this configuration?

✓ Correct Answer

💡 Hint

What is the VLAN tag ID for interface eth12?

✓ Correct Answer

💡 Hint

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

✓ Correct Answer

💡 Hint

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

✓ Correct Answer

💡 Hint

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

✓ Correct Answer

💡 Hint

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

✓ Correct Answer

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

✓ Correct Answer

What is the flag found after filling in all blanks on the static site?

✓ Correct Answer

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

**Result:**

Tryhackme platform secure network architecture task is successfully executed.s