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VMware Cloud Foundation 5.2 Administrator

VMware 2V0-11.25

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Topic Break Down

Topic	No. of Questions
Topic 1, Troubleshooting and Repairing	1
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QUESTION NO: 1

An administrator logged into NSX Manager to view host details. The administrator noticed that the "Tunnel" status for the ESXi hosts, in the VI workload domain, is showing down.

What is a possible reason the ESXi host tunnels are showing down in NSX?

- A. The IGMP has been disabled on the network.
- B. The MTU setting for the host TEPs has been set to 1500.
- C. The host TEP IP addresses are being dynamically assigned through DHCP instead of being statically assigned.
- D. The overlay traffic is being blocked by the gateway firewall.

ANSWER: B

Explanation:

The MTU setting for the host TEPs has been set to 1500. is a possible cause because an NSX host tunnel carries encapsulated overlay traffic between Tunnel Endpoints (TEPs). Encapsulation adds headers to each packet, so an underlay path limited to a standard 1500-byte MTU cannot reliably carry full-size tenant packets after they are encapsulated. Packets that exceed the available MTU can be dropped when fragmentation is unavailable or disallowed, preventing the TEPs from establishing or maintaining the required tunnel connectivity. NSX requires an MTU of at least 1600 bytes for overlay transport, while a larger, consistently configured MTU such as 1700 or jumbo MTU is commonly used to provide operational headroom. The MTU must be supported end-to-end: on the ESXi TEP vmkernel interface, the virtual switch or distributed switch, physical NICs, physical switching infrastructure, and any routed underlay path between TEPs. After correcting the end-to-end MTU configuration, the administrator can validate TEP reachability and tunnel health from NSX Manager. VMware documents the minimum overlay MTU and TEP transport requirements in the [NSX Transport Zone and TEP Requirements](#) and provides VCF network design guidance in the [VMware Cloud Foundation Documentation](#).