

# N10-009 Certification Test Questions, Authentic N10-009 Exam Hub



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## CompTIA N10-009 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Cloud concepts and connectivity options, and Common networking ports.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• Networking Concepts: For network administrators and IT support professionals, this domain covers</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• OSI reference model concepts, Comparison of networking appliances, applications, and functions</li></ul>

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## CompTIA N10-009 Helpful Product Features of PDF

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## CompTIA Network+ Certification Exam Sample Questions (Q421-Q426):

### NEW QUESTION # 421

A network technician replaced an access layer switch and needs to reconfigure it to allow the connected devices to connect to the correct networks.

#### INSTRUCTIONS

Click on the appropriate port(s) on Switch 1 and Switch 3 to verify or reconfigure the correct settings:

Ensure each device accesses only its correctly associated network.

Disable all unused switchports.

- . Require fault-tolerant connections between the switches.
- . Only make necessary changes to complete the above requirements.

□□□□

**Answer:**

Explanation:

See the solution below in Explanation.

Explanation:

To provide a complete solution for configuring the access layer switches, let 's proceed with the following steps:

Identify the correct VLANs for each device and port.

Enable necessary ports and disable unused ports.

Configure fault-tolerant connections between the switches.

Port 1 Configuration (Uplink to Core Switch)

Status: Enabled

LACP: Enabled

Speed: 1000

Duplex: Full

VLAN Configuration: Tagged for VLAN60, VLAN90, VLAN120, VLAN150, VLAN220 Port 2 Configuration (Uplink to Core

Switch) Status: Enabled LACP: Enabled Speed: 1000 Duplex: Full VLAN Configuration: Tagged for VLAN60, VLAN90,

VLAN120, VLAN150, VLAN220 Port 3 Configuration (Server Connection) Status: Enabled LACP: Disabled Speed: 1000

Duplex: Full VLAN Configuration: Untagged for VLAN90 (Servers) Port 4 Configuration (Server Connection) Status: Enabled

LACP: Disabled Speed: 1000 Duplex: Full VLAN Configuration: Untagged for VLAN90 (Servers) Port 5 Configuration (Wired

Users and WLAN) Status: Enabled LACP: Enabled Speed: 1000 Duplex: Full VLAN Configuration: Tagged for VLAN60,

VLAN120, VLAN150 Port 6 Configuration (Wired Users and WLAN) Status: Enabled LACP: Enabled Speed: 1000 Duplex: Full

VLAN Configuration: Tagged for VLAN60, VLAN120, VLAN150 Port 7 Configuration (Voice and Wired Users) Status: Enabled

LACP: Enabled Speed: 1000 Duplex: Full VLAN Configuration: Tagged for VLAN60, VLAN90, VLAN120, VLAN220 Port 8

Configuration (Voice, Printers, and Wired Users) Status: Enabled LACP: Enabled Speed: 1000 Duplex: Full VLAN Configuration:

Tagged for VLAN60, VLAN90, VLAN120, VLAN220 Port 1 Configuration (Unused) Status: Disabled LACP: Disabled Port 2

Configuration (Unused) Status: Disabled LACP: Disabled Port 3 Configuration (Connection to Device) Status: Enabled LACP:

Disabled Speed: 1000 Duplex: Full VLAN Configuration: Untagged for VLAN1 (Default) Port 4 Configuration (Connection to

Device) Status: Enabled LACP: Disabled Speed: 1000 Duplex: Full VLAN Configuration: Untagged for VLAN1 (Default) Port 5

Configuration (Connection to Device) Status: Enabled LACP: Disabled Speed: 1000 Duplex: Full VLAN Configuration: Untagged

for VLAN1 (Default) Port 6 Configuration (Connection to Device) Status: Enabled LACP: Disabled Speed: 1000 Duplex: Full

VLAN Configuration: Untagged for VLAN1 (Default) Port 7 Configuration (Connection to Device) Status: Enabled LACP:

Disabled Speed: 1000 Duplex: Full VLAN Configuration: Untagged for VLAN1 (Default) Ports 1 and 2 on Switch 1 are configured as trunk ports with VLAN tagging enabled for all necessary VLANs.

Ports 3 and 4 on Switch 1 are configured for server connections with VLAN 90 untagged.

Ports 5, 6, 7, and 8 on Switch 1 are configured for devices needing access to multiple VLANs.

Unused ports on Switch 3 are disabled.

Ports 3, 4, 5, 6, and 7 on Switch 3 are enabled for default VLAN1.

Core Switch Ports should be configured as needed for uplinks to Switch 1.

Ensure LACP is enabled for redundancy on trunk ports between switches.

By following these configurations, each device will access only its correctly associated network, unused switch ports will be disabled, and fault-tolerant connections will be established between the switches.

**NEW QUESTION # 422**

While troubleshooting connectivity issues, a junior network administrator is given explicit instructions to test the host's TCP/IP stack first. Which of the following commands should the network administrator run?

- A. ping 192.168.1.1
- B. ping 172.16.1.1
- C. ping 127.0.0.1
- D. ping 169.254.1.1

**Answer: C**

Explanation:

The loopback address 127.0.0.1 is used to test the TCP/IP stack of the local machine. Pinging this address confirms whether the local system's networking stack is functioning correctly.

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#### NEW QUESTION # 423

A network engineer needs to add a boundary network to isolate and separate the internal network from the public-facing internet. Which of the following security defense solutions would best accomplish this task?

- A. Trusted zones
- **B. Screened subnet**
- C. ACLs
- D. URL filtering

**Answer: B**

Explanation:

A screened subnet, also known as a DMZ (Demilitarized Zone), is a boundary network that separates an organization's internal network from external-facing systems. It is used to host public services like web or email servers while protecting internal systems from exposure.

#### NEW QUESTION # 424

Users are unable to access files on their department share located on file\_server 2. The network administrator has been tasked with validating routing between networks hosting workstation A and file server 2.

INSTRUCTIONS

Click on each router to review output, identify any Issues, and configure the appropriate solution. If at any time you would like to bring back the initial state of the simulation, please click the reset All button;

□

**Answer:**

Explanation:

See the solution configuration below in Explanation.

Explanation:

□

#### NEW QUESTION # 425

What is the most likely way to improve throughput during large file transfers like backups?

- **A. MTU**
- B. TTL
- C. VXLAN
- D. SDN
- E. QoS

**Answer: A**

Explanation:

Increasing the MTU (Maximum Transmission Unit) size allows larger frames to be transmitted, reducing overhead and improving throughput - especially for large file transfers like backups.

\* A. QoS prioritizes traffic but doesn't reduce backup times directly.

\* B. SDN is a network management model, not a parameter change.

\* D. VXLAN encapsulates VLANs, not relevant to backup speeds.

\* E. TTL is for packet lifetime, not throughput.

References (CompTIA Network+ N10-009):

\* Domain: Network Infrastructure - MTU, jumbo frames, performance tuning.

#### NEW QUESTION # 426

