

# Tests to test knowledge of switching networks

This test will have content around Switching Network issues. Still choose which answer you think is the best and see the final results we give ...

1. Question 1. What is the main difference between switching networks compared to conventional networks?
  1. On switching networks, the datapath between the sender and the receiver is established before the sender starts sending data, while this does not happen to normal networks.
  2. Switching networks use only authentication protocols, and networks typically only use non-authentication protocols
  3. In contrast to conventional networks, switching networks do not allow the use of the TCP / IP protocol
  4. Switched networks using 128-bit MAC addresses and regular networks only use 48-bit MACs
  5. No answer
2. Question 2. With non-authentication protocols, the following statement is true:
  1. Data is provided to a safe destination
  2. X.25 and ATM are examples of non-authenticated protocols
  3. They operate on the application layer in the OSI 7-layer reference model
  4. Frame Relay is an example of an unauthenticated protocol
  5. No answer
3. Question 3. What defines an authentication protocol?
  1. Ability to ensure data is delivered to the destination machine
  2. It is not possible to guarantee the data provided to the destination machine
  3. Use UDP to transfer data
  4. It is not possible to detect lost data and resend lost packets
  5. No answer
4. Question 4. Which of the following protocols is created based on public switching networks with fiber optic links?
  1. ATM
  2. Frame Relay
  3. X.25
  4. Ethernet
  - 5.

## TCP / IP

5. Question 5. What is the maximum transmission rate of X.25 networks?
  1. 64 Kbps
  2. 128 Kbps
  3. 256 Kbps
  4. 512 Kbps
  5. No answer
6. Question 6. The X.25 networks are divided into 3 classes (or 3 levels), which layer does the physical layer define?
  1. LAPB
  2. LAPC
  3. X.21
  4. FRMR
  5. No answer
7. Question 7. How to call each virtual channel on Frame Relay networks?
  1. VLAN
  2. LAPB
  3. LAPC
  4. DLCI
  5. No answer
8. Question 8. Is it true for ATM networks to say:
  1. Each virtual channel is distinguished by a 24-bit number
  2. Each virtual channel component has two fields: VPI and VCI
  3. ATM networks using the TCP / IP protocol need an ATMARP server
  4. All answers are correct
  5. No answer
9. Question 9. With ATM and X.25 networks, we cannot say:
  1. They use Public switching networks to transmit data between two or more networks
  2. They are connection oriented networks
  - 3.

They work at the lowest layer in the OSI 7-layer model (1 to 3).

4. They have the same transfer rate

5. No answer

10. Question 10. What is the main difference between Frame Relay and X.25?

1. Frame Relay is created based on Public switching networks using digital links, while X.25 is created based on public switching networks with similar links.

2. Frame Relay is created based on public switching networks using similar links, and X.25 is created based on public switching networks using digital links.

3. Frame Relay is created based on public switching networks using fiber and X.25 is created based on public switches using digital links.

4. Frame Relay is an authentication protocol, and X.25 is not

5. No answer

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