



Cisco 640-861

Cisco® Certified Design Associate (CCDA®)

Q&A Demo

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1.The state hospital has six clinics spread throughout the state connected to the main hospital facility through dedicated links. Doctors practicing in the state have online access to patient diagnostic, scheduling and billing data in various hospital databases. The hospital has signed new agreements with three insurance providers and they are planning to open a new clinic on the opposite side of the state. The new clinic will have a trauma center which will require constant communication with the local emergency dispatch center.

What additional information should you obtain about applications in use on the network?

- A. the authentication methods used by the application
- B. the routing protocols supported by the application
- C. the application data-link layer overhead
- D. the applications' level of criticality

Answer: D

2.A small state college is planning to improve the performance of their campus network, in particular the dorm network. Which information provided by the college is least relevant to the new design?

- A. location of wiring closets
- B. number of users
- C. applications used
- D. speed of the network

Answer: A

3.You are proposing a multi layer switching solution with multiple paths to a global organization. The proposal is to replace their current non-redundant network of routers. Which three benefits of multi layer switching would you emphasize when you present your proposed design to the organization's board of directors? (Choose three.)

- A. smaller broadcast domains
- B. increased network availability
- C. increased security due to VLAN functionality
- D. increased network performance
- E. fast convergence due to OSPF protocol use
- F. increased throughput due to multiple paths

Answer: BDF

4. You are documenting the existing network of a customer with a large installed Cisco network. You have prepared this list of the routers in use on the network:

435 Cisco model 2600 routers

129 Cisco model 3600 routers

10 Cisco model 7500 routers

Which two additional items of information would be most valuable to complete your documentation of these routers? (Choose two.)

- A. error statistics
- B. power requirements
- C. interface options
- D. software revisions
- E. management protocols

Answer: CD

5. A prototype network is used to test a proposed network redesign solution. Although the test seemed to be successful, network performance is unacceptable when implemented in the live network. What was wrong with the prototype network test?

- A. The prototype should have been built on the live network.
- B. The prototype failed to test for the proper characteristics.
- C. The prototype network didn't match the live network exactly.
- D. Different configuration parameters existed in the prototype network.

Answer: B

6. Which two Cisco router services perform network traffic analysis to assist in documenting a customer's existing network? (Choose two.)

- A. NetFlow
- B. CDP
- C. MRTG
- D. NetMon
- E. SNMP MIB compiler

Answer: AB

7. Which network analysis tool can produce a graph of traffic utilization on router interfaces?

- A. NBAR
- B. MRTG
- C. NetFlow
- D. Cisco NetProfiler

Answer: B

8. AAA Video operates a chain of 50 video rental stores located in the Northwestern United States. They currently have a Point-of-Sale (POS) system in which each store posts its daily sales data and inventory changes to a central database through dial-up communication. There is no interaction between the stores and the central system during business hours. The central site runs on an Ethernet LAN. The only always-on WAN link is an Internet connection using wireless broadband to a local ISP.

AAA wants to enhance their service offering by creating a new E-Commerce web site where customers can browse and search a catalog of video titles and select the ones they want for rental. The system will instantly communicate the order to the nearest store where employees pull the order and hold it until the customer picks it up. The service must operate on a 24x7 basis.

AAA sees this new business strategy as a means to increase revenue and expand the business nationally. They see an opportunity to expand the web site in the future to video, DVD and music sales on a worldwide level. The company wants all stores to be connected to the central site through WAN links. The company is upgrading the central inventory database so that sales and rentals can be posted immediately in real-time. An Internet-based email and instant-messaging system will be set up for all headquarters employees and store managers to use. AAA believes that networking the stores will improve order fulfillment processes which will improve customer satisfaction and thus, boost revenue. It will also help communication with store employees.

AAA wants to upgrade the local LAN to a Gigabit and Fast Ethernet system to facilitate the demands of the new and upgraded systems. They have budgeted \$500,000 for the networking equipment and another \$10,000/month for the WAN charges including a faster Internet connection. They believe that 256Kbps speeds will be adequate to the stores. Since they have no staff capable of managing the new network, they will hire two engineers that already have the training and experience. The project must be complete in 6 months when the new inventory system goes online. The IT manager has concerns about the security of the servers and workstations on the network when all stores become connected. He doesn't want any Internet access to or from the stores. He is depending on you to recommend an effective yet affordable solution that will protect his system from intruders.

What are the business goals of AAA video that apply to this network design project? Choose two.

- A. boost customer satisfaction
- B. improve employee communication
- C. increase network security
- D. upgrade the existing POS system
- E. install the network in 6 months

Answer: AB

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Which two are business constraints imposed by the AAA Video Company on this new network design project?

(Choose two.)

- A. the \$10,000/month WAN budget
- B. the installation of WAN links to all stores
- C. the lack of any existing IT staff
- D. video sales through the global Internet
- E. real-time posting of store sales

Answer: AC

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What are three technical goals of AAA Video with regard to this network design project? (Choose three.)

- A. sell merchandise through the E-Commerce site
- B. real-time posting of sales
- C. network security measures
- D. hire two new network engineers
- E. upgrade to a high-performance LAN
- F. enhance service offerings

Answer: BCE

11. Which three are essential elements of a network design document that is ready to be presented to a customer?

(Choose three.)

- A. design specifications
- B. organizational chart
- C. implementation plan
- D. proof of concept
- E. data sources

Answer: ACD

12. Which two methods or tools are used to verify a network design produced by network modeling tools, decision tables, and strategic analysis tools? (Choose two.)

- A. simulation and test tools
- B. network management tools
- C. a pilot or prototype network
- D. redesign documentation

Answer: AC

13. You've designed a converged network to carry voice calls on-net as close as possible to the destination to avoid

C. RIPv2

D. RIPv1

E. IGRP

F. BGP

Answer: ABE