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QUESTION 1

Choose the benefits of deploying switches over hubs in your infrastructure. (Choose two)

- A. Layer 2 switches allow for the creation of Virtual LANs providing options for further segmentation and security.
- B. Switches lower the number of collisions in the environment.
- C. Switches create an environment best suited for half duplex communications. This improves network performance and the amount of available bandwidth.
- D. Layer 2 switches increase the number of broadcast domains in the environment.

Correct Answer: AB

Switches differ from hubs in that they break up Collision Domains. Each port on a switch equals one Collision Domain. Therefore, a switch will lower the number of collisions within the infrastructure. Managed switches typically offer the ability to create Virtual LANs. Virtual LANs allow the switch to create multiple LANs/network segments that are Virtual. This allows the switch to create additional environments where needed.

QUESTION 2

You have recently joined as a Network Auditor in XYZ CORP. The company has a Windows-based network. You have been assigned the task to determine whether or not the company's goal is being achieved.

As an auditor, which of the following tasks should you perform before conducting the data center review? Each correct answer represents a complete solution. Choose three.

- A. Review the future IT organization chart.
- B. Meet with IT management to determine possible areas of concern.
- C. Review the company's IT policies and procedures.
- D. Research all operating systems, software applications, and data center equipment operating within the data center.

Correct Answer: BCD

The auditor should be adequately educated about the company and its critical business activities before conducting a data center review. The objective of the data center is to align data center activities with the goals of the business while maintaining the security and integrity of critical information and processes. To adequately determine if whether or not the client's goal is being achieved, the auditor should perform the following before conducting the review: Meet with IT management to determine possible areas of concern. Review the current IT organization chart. Review job descriptions of data center employees. Research all operating systems, software applications, and data center equipment operating within the data center. Review the company's IT policies and procedures. Evaluate the company's IT budget and systems planning documentation. Review the data center's disaster recovery plan. Answer: A is incorrect. An auditor should review the current organization chart. Reviewing the future organization chart would not help in finding the current threats to the organization.



QUESTION 3

Which of the following are the countermeasures against WEP cracking?

- A. Using the longest key supported by hardware.
- B. Changing keys often.
- C. Using a non-obvious key.
- D. Using a 16 bit SSID.

Correct Answer: ABC

A user can use some countermeasures to prevent WEP cracking. Although WEP is least secure, it should not be used. However, a user can use the following methods to mitigate WEP cracking: Use a non-obvious key. Use the longest key supported by hardware. Change keys often. Use WEP in combination with other security features, such as rapid WEP key rotation and dynamic keying using 802.1x. Consider WEP a deterrent, not a guarantee. Answer: D is incorrect. SSID stands for Service Set Identifier. It is used to identify a wireless network. SSIDs are case sensitive text strings and have a maximum length of 32 characters. All wireless devices on a wireless network must have the same SSID in order to communicate with each other. The SSID on computers and the devices in WLAN can be set manually and automatically. Configuring the same SSID as that of the other Wireless Access Points (WAPs) of other networks will create a conflict. A network administrator often uses a public SSID that is set on the access point. The access point broadcasts SSID to all wireless devices within its range. Some newer wireless access points have the ability to

disable the automatic SSID broadcast feature in order to improve network security.

QUESTION 4

You want to monitor the network infrastructure of a software-based company. The network infrastructure of the company consists of the following:

1.
Windows TCP/IP services
2.
Web and mail servers
3.
URLs Applications (MS Exchange, SQL etc.)

Which of the following network monitoring solutions can you use to accomplish the task?

- A. Axence nVision
- B. CommandCenter NOC
- C. Netmon
- D. Cymphonix Network Composer



Correct Answer: A

Axence nVision is an advanced solution for a comprehensive network management. It is used to monitor network infrastructure such as Windows, TCP/IP services, web and mail servers, URLs, and applications (MS Exchange, SQL, etc.). It is also used to monitor routers and switches such as network traffic, interface status, and connected computers. It collects the network inventory and audit license usage. It also gives alerts in case of a program installation or any configuration change on a remote node. With the agent, an administrator can easily monitor user activities and can access computers remotely. Answer: B is incorrect. CommandCenter NOC is a simple and effective tool that performs network monitoring with a powerful polling engine. It provides polling, Windows and UNIX/Linux server management, intrusion detection, vulnerability scanning, and traffic analysis in an integrated appliance. Answer: D is incorrect. Cymphonix Network Composer is a precise Web gateway appliance. It is used to monitor Internet traffic by user, application, and threat. It consists of controls to shape access to Internet resources by user, group, and/or time of day. It also supports anonymous proxy blocking, policy management, and real time monitoring. Answer: C is incorrect. Network Monitor (Netmon) is a protocol analyzer. It is used to analyze the network traffic. It is installed by default during the installation of the operating system. It can be installed by using Windows Components Wizard in the Add or Remove Programs tool in Control Panel. Network Monitor is used to perform the following tasks:

1.

Capture frames directly from the network.

2.

Display and filter captured frames immediately after capture or a later time.

3.

Edit captured frames and transmit them on the network.

4.

Capture frames from a remote computer.

QUESTION 5

You work as the Network Administrator for XYZ CORP. The company has a Unix-based network. You want to identify the list of users with special privileges along with the commands that they can execute.

Which of the following Unix configuration files can you use to accomplish the task?

A. /proc/meminfo

B. /etc/sysconfig/amd

C. /proc/modules

D. /etc/sudoers

Correct Answer: D

In Unix, the /etc/sudoers file contains a list of users with special privileges along with the commands that they can execute. Answer: A is incorrect. In Unix, the /proc/meminfo file shows information about the memory usage, both physical and swap. Answer: B is incorrect. In Unix, the /etc/sysconfig/amd file is the configuration file that is used to configure the auto mount daemon. Answer: C is incorrect. In Unix, the /proc/modules file shows the kernel modules that are currently loaded.



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