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640-864

Designing for Cisco Internetwork Solutions

Exam (DESGN) v2.1

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QUESTION NO: 1

According to Cisco, which four improvements are the main benefits of the PPDIIO lifecycle approach to network design? (Choose four.)

- A. Faster ROI
- B. Improved business agility
- C. Increased network availability
- D. Faster access to applications and services
- E. Lower total cost of network ownership
- F. Better implementation team engagement

Answer: B,C,D,E

Explanation:

The PPDIIO life cycle provides four main benefits:

- + It improves business agility by establishing business requirements and technology strategies.
- + It increases network availability by producing a sound network design and validating the network operation.
- + It speeds access to applications and services by improving availability, reliability, security, scalability, and performance.
- + It lowers the total cost of ownership by validating technology requirements and planning for infrastructure changes and resource requirements.

(Reference: Cisco CCDA Official Exam Certification Guide, 3rd Edition) described in the link below.

Link:<http://www.ciscopress.com/articles/article.asp?p=1608131&seqNum=3>

QUESTION NO: 2

Characterizing an existing network requires gathering as much information about the network as possible. Which of these choices describes the preferred order for the information-gathering process?

- A. Site and network audits, traffic analysis, existing documentation and organizational input
- B. Existing documentation and organizational input, site and network audits, traffic analysis
- C. Traffic analysis, existing documentation and organizational input, site and network audits
- D. Site and network audits, existing documentation and organizational input, traffic analysis

Answer: B

Explanation:

This section describes the steps necessary to characterize the existing network infrastructure and all sites. This process requires three steps:

Step 1. Gather existing documentation about the network, and query the organization to discover additional information. Organization input, a network audit, and traffic analysis provide the key information you need. (Note that existing documentation may be inaccurate.)

Step 2. Perform a network audit that adds detail to the description of the network. If possible, use traffic-analysis information to augment organizational input when you are describing the applications and protocols used in the network.

Step 3. Based on your network characterization, write a summary report that describes the health of the network. With this information, you can propose hardware and software upgrades to support the network requirements and the organizational requirements.

QUESTION NO: 3

You want to gather as much detail as possible during a network audit with a minimal impact on the network devices themselves.

Which tool would you use to include data time stamping across a large number of interfaces while being customized according to each interface?

- A. RMON
- B. SNMPv3
- C. NetFlow
- D. Cisco Discovery Protocol

Answer: C

Explanation:

QUESTION NO: 4

Which three are considered as technical constraints when identifying network requirements?
(Choose three.)

- A. Support for legacy applications
- B. Bandwidth support for new applications
- C. Limited budget allocation
- D. Policy limitations
- E. Limited support staff to complete assessment
- F. Support for existing legacy equipment
- G. Limited timeframe to implement

Answer: A,B,F

Explanation:

Network design might be constrained by parameters that limit the solution. Legacy applications might still exist that must be supported going forward, and these applications might require a legacy protocol that may limit a design. Technical constraints include the following:

Existing wiring does not support new technology.

Bandwidth might not support new applications.

The network must support exiting legacy equipment.

Legacy applications must be supported (application compatibility).

QUESTION NO: 5

In which phase of PPDIOO are the network requirements identified?

- A. Design
- B. Plan
- C. Prepare
- D. Implement
- E. Operate
- F. Optimize

Answer: B

Explanation: