

200-310^{Q&As}

Designing for Cisco Internetwork Solutions

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QUESTION 1

What phase of Cisco's PPDIIO includes the identification and resolution of issues prior to moving the entire network to production?

- A. Optimize
- B. Operate
- C. Implementation
- D. Design

Correct Answer: A

QUESTION 2

As a network engineer, can you tell me accounting management on a network-management system allows a network manager to perform which function?

- A. Assess the network's effectiveness and throughput
- B. Charge back to users for network resources
- C. Performance management
- D. Identify problem areas in the network

Correct Answer: B

QUESTION 3

Which three of these are components of the North American Numbering Plan? (Choose three.)

- A. Numbering Plan Area
- B. country code
- C. prefix
- D. zone
- E. line number
- F. trunk channel

Correct Answer: ACE

QUESTION 4

DRAG DROP

Match the bandwidth usage optimization technique on the left with its definition on the right.

Select and Place:

Match the bandwidth usage optimization technique on the left with its definition on the right.

queuing	limits the number of frames transmitted before an acknowledgement is received
window size	reduces data size to save transmission time, optimizing the use of WAN bandwidth
traffic policing	allows network administrators to manage the varying demands generated by applications
data compression	discards packets or modifies some aspect of them (such as IP precedence)

Correct Answer:

Match the bandwidth usage optimization technique on the left with its definition on the right.

	window size
	data compression
	queuing
	traffic policing

+ limits the number of frames transmitted before an acknowledgement is received: window size+ reduces data size to save transmission time, optimizing the use of WAN bandwidth: data compression+ allows network administrators to manage the varying demands generated by applications: queuing+ discards packets or modifies some aspect of them (such as IP precedence): traffic policing

QUESTION 5

What is the acceptable amount of one-way network delay for voice and video applications?

A. 300 bytes

- B. 1 sec
- C. 150 ms
- D. 500 ms

Correct Answer: C

Delay Components in VoIP Networks The ITU's G.114 recommendation specifies that the one-way delay between endpoints should not exceed 150 ms to be acceptable, commercial voice quality. In private networks, somewhat longer delays might be acceptable for economic reasons. The ITU G.114 recommendation specifies that 151-ms to 400-ms one-way delay might be acceptable provided that organizations are aware that the transmission time will affect the quality of user applications. One-way delays of above 400 ms are unacceptable for general network planning purposes.

QUESTION 6

Which feature will not transfer packets when there is silence?

- A. Ear and mouth (EandM)
- B. Voice Activity Detection (VAD)
- C. Digital Silence Suppressor (DSS)
- D. Dial peers

Correct Answer: B

QUESTION 7

Which statement correctly describes queuing in environments supporting teleworkers?

- A. CQ is for time-sensitive protocols.
- B. Queuing occurs on the outbound interface.
- C. Priority queuing guarantees some level of service to all traffic.
- D. Hardware queues are configured for appropriate PQ, CQ, or WFQ.
- E. WFQ is the Cisco IOS default on all WAN links regardless of speed.

Correct Answer: B

QUESTION 8

Drag the security term on the left to the matching description on the right.

Select and Place:

ACL	an access control method that is used to forward traffic that is generated from public networks to a specified segment of the corporate network
NAT	includes IOS features that perform network protocol conformance validations
DMZ	performs packet filtering to restrict access on which traffic types are forwarded through the corporate network
firewall	a security option that is used to hide an internal network address before packets are forwarded to another network

Correct Answer:

	DMZ
	firewall
	ACL
	NAT

QUESTION 9

Which four services does the architecture for Media Services contain? (Choose four.)

- A. access services
- B. transport services
- C. storage services
- D. forwarding services
- E. session control services
- F. security services
- G. filtering services
- H. remote access services

Correct Answer: ABCE

An architecture framework for media services supports different models of video models. As shown in Figure 14-13, the network provides service to video media in the Media Services Framework. Those services are access services,

transport services, bridging services, storage servers, and session control services, which are provided to endpoints.

Access services provide identity of end devices, mobility, and location services.

Transport services provide QoS for reliable packet delivery.

Bridging services provide transcoding, conferencing, and recording services of media streams.

Storage services provide capture and storage of media streams and content management and distribution.

Session control services provide session signaling and control and gateway services.

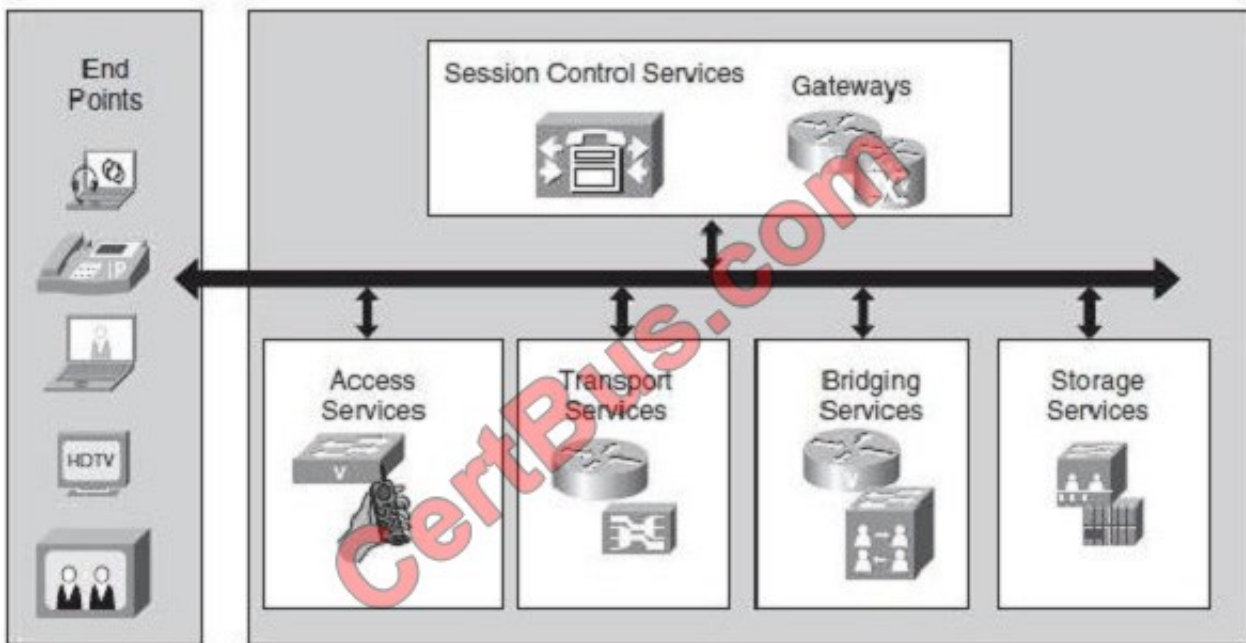


Figure 14-13 *Media Services Architectural Framework*

QUESTION 10

In telephony, the local loop is the physical link or circuit. Where is the local loop located?

- A. Between the loopback interfaces of two VoIP routers
- B. Between phones and the central office (CO) switch
- C. Between two PBXs
- D. Between two PSTN switches

Correct Answer: B

QUESTION 11

Which option is an example of physical device virtualization?

- A. VSS
- B. VPN
- C. VRF
- D. VLAN

Correct Answer: A

QUESTION 12

When evaluating network designs, what indicator demonstrates that the modular approach was followed?

- A. ability to scale
- B. follows best practices
- C. redundant connectivity
- D. easy to deploy

Correct Answer: A

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