

# Implementing Cisco IP Telephony & Video, Part 1 (CIPTV1)

1. By default, what value is voice traffic marked as on a Cisco Catalyst Switch?

A. DSCP EF value 46, Cos 7

B. DSCP CAS6 value 21, Cos 3

C. DSCP EF value 46, Cos 5

D. DSCP AF21 value 46, Cos 5

**Answer(s): C**

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2. Software and hardware media resources have server B as the primary call-processing node and server A as the backup, and Cisco IP Voice Media Streaming application is running on both servers. If service on server B is deactivated, which result happens to the conference resources in the cluster?

A. Software bridges deregister from server A and B, and hardware bridges register to server A

B. All software and hardware conferences bridges from server B register to server A

C. The server B software bridge deregister, the hardware bridges remain registered to server B

D. The server B software bridge deregister, the hardware bridges from server B register to server A

E. Software bridges deregister from server A and B, and hardware bridges remain registered to server B

**Answer(s): B**

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3. Which two describe how media resources and audio streams operate with Cisco Unified Communications Manager? (Choose two.)

A. All media resources register with Cisco Unified Communications Manager.

B. There are no situations in which IP phone-to-IP phone audio streams will go directly between endpoints.

C. Signaling between Cisco Unified Communications Manager and hardware media resources uses the same protocol as the call-signaling type.

D. Audio streams are always terminated by media resources.

E. Audio streams are terminated differently depending on the signaling protocol, such as SCCP or SIP.

**Answer(s):** A,D

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4. When a user dials a telephone number from a Type A SIP phone. How are the digits analyzed by Cisco Unified Communications Manager if no SIP dial rules are configured?

A. If there are no dial rules present and the user uses the Dial softkey the digits are sent to the Cisco Unified Communications Manager digit-by digit

B. When no dial rules are present, digits are sent to the Cisco Unified Communications Manager digit-by-digit

C. When no dial rules are present, digits are sent to the Cisco Unified Communications Manager en bloc

D. With a Type A SIP phone the digits are only sent en bloc

**Answer(s):** C

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5. When dialing 1234, which rule is matched first?

A. route pattern 12[123]X

B. route pattern 1XXX

C. directory number 12345

D. translation pattern 12[123]X

E. translation pattern 1XXX

**Answer(s): D**

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6. Refer to the exhibit. Which option is the most highly recommended option to install Cisco TelePresence Conductor on the virtual machine?

A. Thick Provision Eager Zeroed

B. Thick Provision Lazy Zeroed

C. Thick Provision

D. Thin Provision

**Answer(s): B**

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7. Which tool can you use to verify and troubleshoot a dial plan?

A. Dialed Number Analyzer

B. CDR Analysis and Reporting

C. Audit Log Configuration

D. Troubleshooting Trace Settings

**Answer(s): A**

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8. You are a Voice Engineer at ABC Company. You want to provision a new voice gateway for a remote site, and you need to configure 24 channels of a T1 CAS interface. Which set is the correct set of commands for this configuration?

A. R1(config)# controller t1 1/0R1(config-controller)# framing esfR1(config-controller)# linecode b8zsR1(config-controller)# primary-group 1 timeslot 1-24 type fxo-loop-start

B. R1(config)# controller t1 1/0R1(config-controller)# linecode hdb3R1(config-controller)# framing crc4R1(config-controller)# clock source lineR1(config-controller)# ds0-group 1 timeslot 1-24 type fxo-loop-start

C. R1(config)# controller t1 1/0R1(config-controller)# framing esfR1(config-controller)# linecode b8zsR1(config-controller)# clock source lineR1(config-controller)# ds0-group 1 timeslot 1-24 type fxo-loop-start

D. R1(config)# isdn switch-type primary-5essR1(config)# controller t1 t1/0R1(config-controller)# pri-group timeslots 1-24

**Answer(s): C**

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**9.** Which three options are components of Media Resources Architecture? (Choose three)

A. Route list.

B. Media Resource Manager.

C. Route group

D. Media Resource Group List.

E. Music on hold.

F. Media Resource Group.

**Answer(s): B,D,F**

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**10.** Refer to Exhibit. If the user at extension 1001 dials the user at extension 2001, which dial peer is used to route the call?

A. 1

B. 3

C. 2

D. 4

**Answer(s): D**

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**11.** Which three elements are used to configure calling privileges? (Choose three)

A. Replica.

B. Route pattern.

C. Time schedule.

D. Partition

E. Calling search space.

F. User.

**Answer(s): C,D,E**

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**12.** Which option describes how you add software conference bridges to Cisco Unified Communications Manager?

A. by installing DSP to a Cisco Unified CM server

B. by reassigning other media resources to conference resources

C. by adding a software conference bridge using Conference Bridge Configuration

D. by adding a Cisco Unified CM server to the cluster

**Answer(s): D**

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**13.** Which route pattern wildcard character is used to terminate the interdigit timeout?

A. .

B. #

C. \$

D. !

**Answer(s): B**

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**14.** If cisco telepresence server MSE 8710 accepts an incoming connection on tcp, which protocol will it use to respond?

A. RDP

B. UDP

C. TCP

D. SIP

**Answer(s): C**

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**15.** Refer to the Exhibit. Which phones can Phone 1 reach?

A. Phone 4

B. Phone 3

C. Phone 2, Phone 3 and Phone 4

D. Phone 4 and Phone 5

E. Phone 5

F. Phone 2 and Phone 3

G. Phone 2

H. Phone 2, Phone 3, Phone 4 and Phone 5

**Answer(s): H**

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**16.** When the Cisco IOS router or gateway receives a call setup request, what is the PID value of the default dial peer?

A. ID:3

B. PID:6

C. PID:0

D. PID:4

E. PID:5

F. PID:1

G. PID:2

H. PID:7

**Answer(s): C**

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**17.** An engineer enters this configuration on a voice router:

A. 11

B. 115

C. 9

D. 1159

E. 59

**Answer(s): C**

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**18.** Which two are characteristics of a Cisco Unified Communications Manager software based Media Termination Point? (Choose two)

A. The codec and packetization of both call legs must be identical

B. This Media Termination Point type is typically used for RSVP agent configurations or Cisco Unified Border Element media flow-through configurations

C. It can provide G.711 mu-law to G.711 a-law conversion and vice versa.

D. DSP resources are required

E. This Media Termination Point type does not require any DSP resources on the Cisco router

**Answer(s): C,E**

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**19.** Which statement about the DiffServ QoS deployment architecture is true?

A. DiffServ does not differentiate traffic types and thus cannot provide service levels.

B. DiffServ architecture provides QoS by assuring treatment for a specific traffic flow.

C. Resource Reservation Protocol is an example of a DiffServ mechanism where each router on the path for packet transmission is informed of the upcoming packet stream.

D. DiffServ architecture differentiates and classifies various types of traffic and provides several levels of service based on that classification.

**Answer(s): D**



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20. Which three of these are characteristics of a Cisco Unified Communications Manager software-based Media Termination Point? (Choose three.)

A. DSP resources are required.

B. It can provide packetization conversion for a given codec (for example, if one call leg is using a 20-ms sample size, but the other call leg is using a 30-ms sample size).

C. This Media Termination Point type is typically used for RSVP agent configurations or Cisco Unified Border Element media flow-through configurations.

D. It can provide G.711 mu-law to G.711 a-law conversion and vice versa.

E. The codec and packetization of both call legs must be identical.

F. This Media Termination Point type does not require any DSP resources on the Cisco router.

**Answer(s):** B,D,F

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