



300-070^{Q&As}

Implementing Cisco IP Telephony & Video, Part 1 v1.0

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QUESTION 1

Which statement about a partition is true?

- A. A partition is a logical group of transformation patterns with similar accessibility characteristics.
- B. A partition is a group of gateways with similar accessibility characteristics.
- C. A partition is a logical group of directory numbers with similar accessibility characteristics.
- D. A partition is a logical group of route patterns with similar accessibility characteristics.

Correct Answer: C

QUESTION 2

Which type of IOS Conference bridge requires all users to use the same video format in order to participate in a video conference?

- A. Ad Hoc Conferencing
- B. Homogenous Conferencing
- C. Heterogeneous Conferencing
- D. Guaranteed Audio Video Conferencing
- E. Meet-Me Conferencing

Correct Answer: B

Explanation/Reference:

A homogenous conference refers to one in which participants connect to the ISR G2 with devices that support the same video format attributes (for example, the same codec, resolution, frame rate, and bit rate).

QUESTION 3

Users that are subscribed to the default corporate directory are complaining that when they press the Directories button, they receive an error message regarding the URL. Which two parameters need to be edited? (Choose two.)

- A. Verify that the corporate directory has the Enabled check box checked in the Enterprise Parameter > Phone URL Parameters page.
- B. Reset the Enterprise Phone URL Parameters.
- C. Reset the Service Parameter > Phone URL Parameters.
- D. Change the URLs under Enterprise Parameters to match the DNS name or the IP address being used by the server being configured and reset the IP phones.



E. Verify that the corporate directory has the Enabled check box checked in the IP Phone Services > Configuration Service Information page.

F. Select the Service Parameter for the appropriate server and Cisco CallManager (active) and change the URLs for each service to match the DNS name or IP address of the server being configured.

Correct Answer: DE

QUESTION 4

Which DiffServ PHB classification is recommended by Cisco for interactive video traffic?

- A. AF31
- B. CS3
- C. EF
- D. AF41
- E. CS4

Correct Answer: D

QUESTION 5

A user's phone Call Forward No Answer setting has been configured to forward to a hunt pilot. If all call hunting options have been exhausted and the Forward Hunt No Answer feature has been configured to use Personal Preference settings, to which of these will calls to this phone be forwarded?

- A. the default destination configured under Service Parameters
- B. any destination configured under the user's DN Personal Settings configuration
- C. the destination specified under the user's Call Forward No Coverage settings
- D. voice mail
- E. no other destination; each call will continue to ring until the caller hangs up

Correct Answer: C

Explanation/Reference:

You can implement the personal preferences option. To do so, configure a user phone so that the Forward No Answer field redirects the call to a hunt pilot, which searches for someone else to answer the call. If call hunting fails because all the hunting options are exhausted or because a timeout period expires, the call can be sent to a personalized destination for the person who was originally called. For example, if you set the Forward No Coverage field in the Directory Number Configuration page to a voice-mail number, the call will be sent to the voice mailbox of that person if hunting fails.



QUESTION 6

When a call is attempted during a particular time of day, what determines the partitions where calling devices search?

- A. time schedules
- B. calling periods
- C. dial schedules
- D. time periods

Correct Answer: A

QUESTION 7

Which two Cisco products allow the use of a dial plan with E.164, H.323, SIP, and DNS? (Choose two.)

- A. Cisco Expressway
- B. Cisco Unified Communications Manager
- C. Cisco Unified Border Element
- D. Cisco IM and Presence
- E. Cisco TelePresence Video Communication Server

Correct Answer: AE

QUESTION 8

Which three commands show the output of an active video call? (Choose three.)

- A. show vrm active_calls
- B. show call active video brief
- C. show voip rtp connections
- D. show voice call
- E. show voice call summary
- F. show video dsp

Correct Answer: BCE

QUESTION 9

When local route groups are used and a user dials 918005551212 what component is ultimately used to route the digits



to the local gateway?

- A. The route list applied to the route pattern
- B. The device pool of the calling device
- C. The translation pattern
- D. The gateway or route list associated with eh +.! route pattern

Correct Answer: B

Explanation/Reference:

The device pool is used to route the digits to the local gateway.

QUESTION 10

Which three Cisco Unified Communications Manager settings can be used to support IP phone services? (Choose three.)

- A. Device Defaults
- B. Enterprise Parameters
- C. IP Phone Service Configuration window
- D. Common Phone Profile
- E. Service Parameters
- F. Phone Configuration window

Correct Answer: BDF

QUESTION 11

Which distribution algorithm is used for a route group?

- A. Circular, top down.
- B. Longest idle, broadcast.
- C. Circular, top down, longest idle, broadcast.
- D. Top down, broadcast, circular.

Correct Answer: A

QUESTION 12



A customer recently installed a Cisco TelePresence MCU 5320. The customer wants a virtual meeting room that restricts participants from communicating before the customer joins the call.

Which feature in the MCU enables this functionality?

- A. Floor and chair control.
- B. Numeric ID.
- C. PIN codes.
- D. Owner.

Correct Answer: A

QUESTION 13

What is the recommended default value that is used between regions for video calls?

- A. 384 Kbps.
- B. G.722.
- C. G.711.
- D. G.728.

Correct Answer: A

QUESTION 14

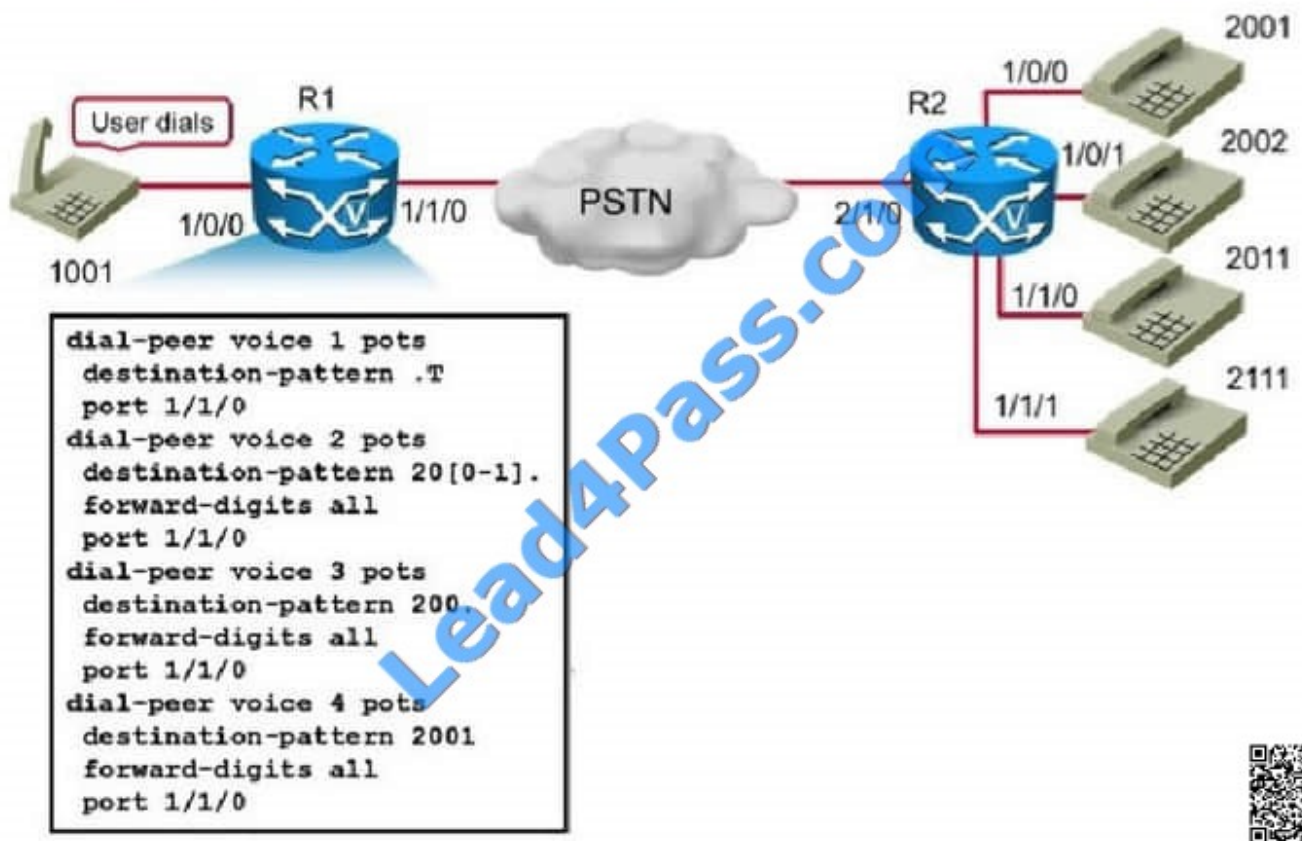
Employees at a company must dial 9 first to reach an external number. Which route pattern is used to route the call if a user dials the toll-free number 1-866-555-1212?

- A. 9.18XX[2-9]XXXXXX
- B. 9.18[0,5-8][0,5-8]XXXXXX
- C. 9.1XXXXXXXXXX
- D. 9.1866XXXXXXXX
- E. 9.1866[2-9]XXXXXX
- F. 9.1[2-9]XX[2-9]XXXXXX

Correct Answer: E

QUESTION 15

Refer to Exhibit:



If the user at extension 1001 dials the user at extension 2111, which dial peer is used to route the call?

- A. 3
- B. 2
- C. 4
- D. 1

Correct Answer: D

QUESTION 16

On what equipment do you configure Layer 2 to Layer 3 QoS mapping?

- A. switch
- B. router
- C. firewall
- D. Cisco Unified Communications Manager
- E. bridge



Correct Answer: A

Explanation/Reference:

Explanation: <http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst4500/12-2/31sg/configuration/guide/conf/qos.html>

QUESTION 17

Which two elements of a dial plan define the domains that are accessible and are assigned to an endpoint? (Choose two)


- A. Partitions.
- B. Calling Search Spaces.
- C. Route patterns.
- D. Translation patterns.
- E. Call Admission Control.

Correct Answer: AB

QUESTION 18

Refer to the exhibit.

```
dial-peer voice 204 pots
description LLAMADA_CELULAR_SCZ_SALIENTE_SRST
destination-pattern 9[67].....$
port 0/1/0
forward-digits 7
```



What is the problem when 237 dials 972551915?

- A. The problem is in "forward-digits 7"; the dial peer should be with "forward-digits 9."
- B. The problem is in "forward-digits 7"; the dial peer should be with "forward-digits 5."
- C. The problem is in "forward-digits 7"; the dial peer should be with "forward-digits 2."
- D. The problem is in "forward-digits 7"; the dial peer should be with "forward-digits 8."

Correct Answer: D



QUESTION 19

IP Voice Media Stream Application service should be enabled on which server?

- A. Must enabled on dedicated server
- B. Only on one node
- C. Enable on gatekeeper
- D. Enable on the server which TFTP also need to be enable

Correct Answer: D

Explanation/Reference:

When more than one MOH server is active in the network, make sure that all the configured MOH files are available for all MOH servers. You might need to copy the files manually to the root directories of all the TFTP servers.

QUESTION 20

Which type of dial plan implements destinations by using a format that is similar to email addresses?

- A. H.323.
- B. E.164.
- C. DNS.
- D. URI.

Correct Answer: D

QUESTION 21

After you configure a dial plan to call a particular prefix in the PSTN, you notice that some outbound calls are taking longer than usual (15 seconds) before you hear a connecting tone. What is the likely cause of this issue?

- A. The outbound gateway must be configured with the new prefix.
- B. The endpoint is choosing the best codec to use.
- C. The new prefix is overlapping other route patterns.
- D. With some prefixes, this is normal behavior of the PSTN.

Correct Answer: C

QUESTION 22

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

Correct Answer: B

Explanation/Reference:

Reference: http://www.cisco.com/c/dam/en/us/td/docs/telepresence/infrastructure/conductor/install_guide/TelePresence-Conductor-Virtual-Machine-Install-Guide-XC3-0.pdf (page 8)

QUESTION 23

An engineer is setting up a system with voice and video endpoints using auto-QoS policy on the switches. Which DSCP values are expected for interactive voice and video?

- A. F and AF-41
- B. EF and CS6
- C. EF and CS3
- D. EF and AF21

Correct Answer: A

Explanation/Reference:

Reference: http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/WAN_and_MAN/QoS_SRND/QoS_SRND-Book/QoSIntro.html

QUESTION 24



What is the maximum number of 1080p30 HD Conference Participants if an MSE 8000 has four MSE8710 blades clustered?

- A. 48.
- B. 180
- C. 720
- D. 800

Correct Answer: A

QUESTION 25

Which DSCP classification is defined in RFC 2474?

- A. DSCP CS3.
- B. DSCP 0.
- C. DSCP AF11.
- D. DSCP CS6.
- E. DSCP EF.
- F. DSCP CS2.
- G. DSCP CS1.
- H. DSCP AF21.

Correct Answer: A

QUESTION 26

You are a Voice Engineer working at ABC Company. You are asked to configure Cisco Unified Border Element in Cisco Unified Communications Manager. Which two configurations are required? (Choose two.)

- A. Configure a SIP profile with Early Offer support for voice and video calls; insert MTP as needed.
- B. Change the SIP trunk security profile to a nonsecure SIP trunk profile.
- C. Under the SIP information configuration, set the destination port to 5061.
- D. Bind the SIP signaling to the Cisco Unified Border Element interface.
- E. Configure dial peers on Cisco Unified Border Element for inbound and outbound calls appropriately.

Correct Answer: AB



QUESTION 27

Which three types of devices can you test with the Cisco Unified Communications Manager Dialed Number Analyzer tool? (Choose three)

- A. Fax/Modem.
- B. Trunks.
- C. Gateways.
- D. Cisco ASA Adaptive Security Appliances.
- E. Cisco Catalyst Switches.
- F. Phones.

Correct Answer: ACF

QUESTION 28

Which statement about traffic policing and shaping is true?

- A. Shaping limits traffic rates by dropping, re-marking, or transmitting traffic.
- B. Policing involves regulating excessive traffic rates by delaying (that is, buffering) traffic.
- C. Traffic policing and shaping help regulate bandwidth usage by limiting the amount of traffic.
- D. Traffic policing is more suitable for lower-speed links such as Multilink PPP and Frame Relay, as it buffers excess traffic.

Correct Answer: C

QUESTION 29

Hackers are sending calls through a gateway router that is running SIP. The engineer blocks all

SIP messages to the router except from their SIP server, which has an IP address of

208.177.10.1. The customer also must connect via SIP to their Cisco Expressway server with an

IP address of 10.1.10.110. Which series of commands secures the router from the hackers?

- A. voice service voip voip security allow ipv4 208.177.10.1 255.255.255.255 ipv4 10.1.10.110 255.255.255.255
- B. voice service voip ip address trusted list ipv4 208.177.10.1 255.255.255.255 ipv4 10.1.10.110 255.255.255.255
- C. voice service voip allow-connections sip to sip ipv4 208.177.10.1 255.255.255.255 ipv4 10.1.10.110 255.255.255.255



D. voice service voip address-hiding ipv4 208.177.10.1 255.255.255.255 ipv4 10.1.10.110 255.255.255.255

Correct Answer: B

Explanation/Reference:

Reference: <http://www.cisco.com/c/en/us/support/docs/voice/call-routing-dial-plans/112083tollfraud-ios.html>

QUESTION 30

Which protocol is recommended to be used between Cisco Unified Communications Manager and the voice gateway to simplify the dial plan?

- A. SIP.
- B. SCCP.
- C. H323.
- D. RSVP.
- E. MGCP.

Correct Answer: E

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