Cisco 642-453

CISCO 642-453 Gateway Gatekeeper(GWGK)

Practice Test

Version 1.6

QUESTION NO: 1

You are adding a gatekeeper to an H.323 network to provide Call Admission Control. You need to be able to support three concurrent G.711 calls from a specified zone to any other zone. How much interzone bandwidth should be configured in the gatekeeper?

A. 192 Kbps
B. 240 Kbps
C. 384 Kbps
D. 480 Kbps

Answer: C

QUESTION NO: 2

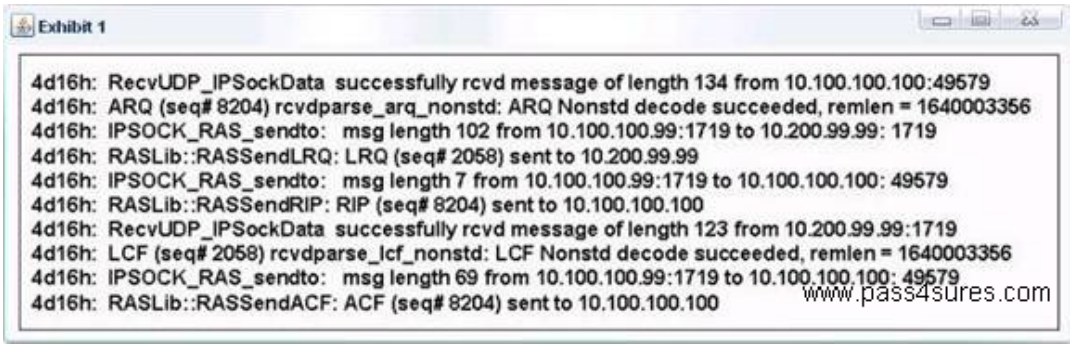
Which describes a proper CAC implementation in an H.323 network that uses directory gatekeepers?

A. The bandwidth commands for each zone that is registered with the directory gatekeeper are included in the directory gatekeeper configuration.
B. The zone gatekeepers maintain the bandwidth commands and the directory gatekeeper is only responsible for dial plan resolution
C. The zone gatekeeper negotiates bandwidth requirements with the target zone gatekeeper by means of an LRQ message forwarded by the directory gatekeeper.
D. The directory gatekeeper controls call bandwidth usage between the zones.

Answer: B

QUESTION NO: 3

Refer to the exhibit. Which message ID can be used to track this call from the requesting endpoint?



A. 8204

B. 10.100.100.99
C. 10.200.99.99
D. 49579
E. 10.100.100.100
F. 1640003356

Answer: A

QUESTION NO: 4

You have a client who is designing a gateway solution for an IP communications network. The T1 needs to support ANI for both incoming and outgoing calls. How should the gateway be configured?

A. Configure an MGCP gateway so that there are two DS-0 groups on the T1 from the PSTN, one to send ANI and one to receive ANI.
B. Configure an H.323 gateway so that there are two DS-0 groups on the T1 from the PSTN, one to send ANI and one to receive ANI.
C. Configure an MGCP gateway so that there is a single DS-0 group on the T1 to the PSTN, to both send and receive ANI.
D. Configure an H.323 gateway so that there is a single DS-0 group on the T1 to the PSTN, to both send and receive ANI.

Answer: B

QUESTION NO: 5

Refer to the exhibit. Your customer is using BRIs to the PSTN. Inbound calls can be made without error. However, outbound calls only succeed if there has been a recent inbound call. What can be done to correct this issue?

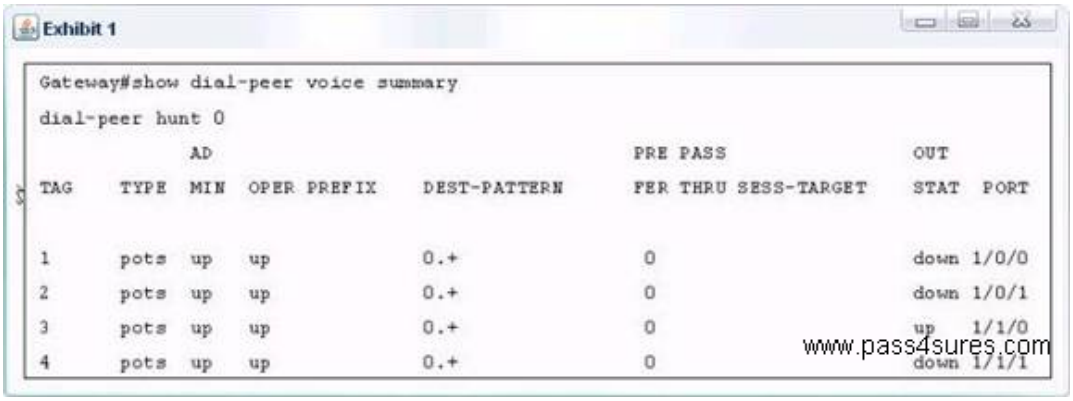


Exhibit 1

```
Gateway#show dial-peer voice summary
dial-peer hunt 0
                    AD                                  PRE PASS                OUT
TAG    TYPE  MIN  OPER PREFIX    DEST-PATTERN      FER THRU SESS-TARGET    STAT  PORT

1      pots  up   up             0.+                0                      down 1/0/0
2      pots  up   up             0.+                0                      down 1/0/1
3      pots  up   up             0.+                0                      up   1/1/0
4      pots  up   up             0.+                0                      down 1/1/1
```


A. Disable status checking for POTS dial peers so outbound call setup will activate the BRI.

B. Configure SPIDs on the BRI so that outbound calls are sent to the correct number.
C. Change the dial peer hunt logic so the appropriate dial peer is always used.
D. Configure preferences to always select dial peer 3.

Answer: A

QUESTION NO: 6

You are working with a client who is interested in deploying a distributed IP telephony call-processing solution among the three corporate campuses. Each campus will have a Cisco Unified CallManager cluster and a gateway to the PSTN. Which three steps are required for a successful gatekeeper deployment? (Choose three.)

A. determining if each zone will be supported by more than one gatekeeper
B. determining the intrasite modem and fax traffic patterns
C. ensuring the correct location of voice gateways in the network
D. provisioning a common codec for all WAN connections
E. implementing the correct WAN topology
F. determining if gatekeeper redundancy or high availability is required

Answer: D,E,F

QUESTION NO: 7

When a WAN link problem occurs, it takes over three minutes for IP phones to become registered with the SRST gateway. What is the most likely cause of this?

A. The WAN link is bouncing.
B. The keepalive timer in the SRST gateway is set too long.
C. Each phone has a list of two alternate Cisco Unified CallManager systems, and it tries to register with each before registering with the SRST gateway.
D. The SRST gateway is an MGCP gateway, and it must stop the MGCP process and switch over to the default H.323 process to initiate the SRST process.

Answer: C

QUESTION NO: 8

When a C5510 DSP is configured for conferencing, what other services can it be configured to support?

A. transcoding
B. supplementary services
C. voice port termination
D. no other services

Answer: D

QUESTION NO: 9

Users are complaining that they are not seeing caller names on calls received from the PSTN. Which debug command can be used to troubleshoot this problem?

A. debug isdn setup
B. debug isdn q921
C. debug isdn q931
D. debug ccs signal
E. debug vpm signal

Answer: C

QUESTION NO: 10

Which statement is true regarding Cisco modem relay?

A. It supports the V. 150.1 signaling standard.
B. It is supported by some third party vendors.
C. It requires that codec complexity be set to "high" or "flex mode".
D. It uses more bandwidth than modem pass-through.
E. It is supported on H.323, MGCP, SIP, and SCCP gateways.

Answer: C

QUESTION NO: 11

Refer to the exhibit. On a router running Cisco IOS version 12.3(14)T, an auto-attendant Tel script is loaded and a warning message is displayed, stating that the operator parameter has not been registered. See the exhibit for an example of the error. What must you do to continue?

A. nothing, the warning may be ignored
B. register the application with the gatekeeper
C. register the application parameters with the gatekeeper
D. register the application parameters with the application
E. register the application with the Cisco Unified CallManager
F. register the application parameters with the Cisco Unified CallManager

Answer: A

QUESTION NO: 12

Which gatekeeper configuration will send all calls between zone hardware and zone appliances through the IP-to-IP gateway in the VIA zone?

A. gatekeeper
zone local hardware acme.com 192.168.1.1
zone local appliances acme.com
zone local via acme.com
zone prefix hardware 408.....
zone prefix appliances 415.....
no shut
B. gatekeeper
zone local hardware acme.com 192.168.1.1
zone local appliances acme.com
zone local via acme.com invia via outvia via
zone prefix hardware 408*
zone prefix appliances 415*
no shut
C. gatekeeper
zone local hardware acme.com 192.168.1.1
invia VIA outvia VIA
zone local appliances acme.com invia VIA outvia VIA
zone prefix hardware 408.....
zone prefix appliances 415.....