

**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**

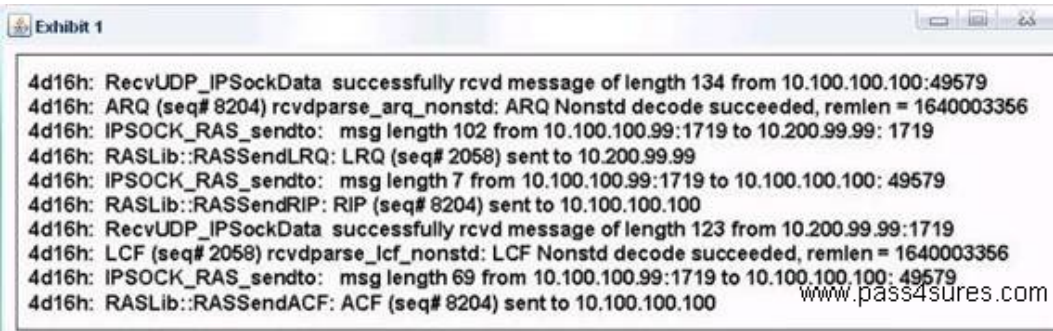
Which describes a proper CAC implementation in an H.323 network that uses directory gatekeepers?

- 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?



```
Exhibit 1
4d16h: RecvUDP_IPSockData successfully rcvd message of length 134 from 10.100.100.100:49579
4d16h: ARQ (seq# 8204) rcvdpars_e_arq_nonstd: ARQ Nonstd decode succeeded, remlen = 1640003356
4d16h: IPSOCK_RAS_sendto: msg length 102 from 10.100.100.99:1719 to 10.200.99.99: 1719
4d16h: RASLib::RASSendLRQ: LRQ (seq# 2058) sent to 10.200.99.99
4d16h: IPSOCK_RAS_sendto: msg length 7 from 10.100.100.99:1719 to 10.100.100.100: 49579
4d16h: RASLib::RASSendRIP: RIP (seq# 8204) sent to 10.100.100.100
4d16h: RecvUDP_IPSockData successfully rcvd message of length 123 from 10.200.99.99:1719
4d16h: LCF (seq# 2058) rcvdpars_e_lcf_nonstd: LCF Nonstd decode succeeded, remlen = 1640003356
4d16h: IPSOCK_RAS_sendto: msg length 69 from 10.100.100.99:1719 to 10.100.100.100: 49579
4d16h: RASLib::RASSendACF: ACF (seq# 8204) sent to 10.100.100.100
```

- 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

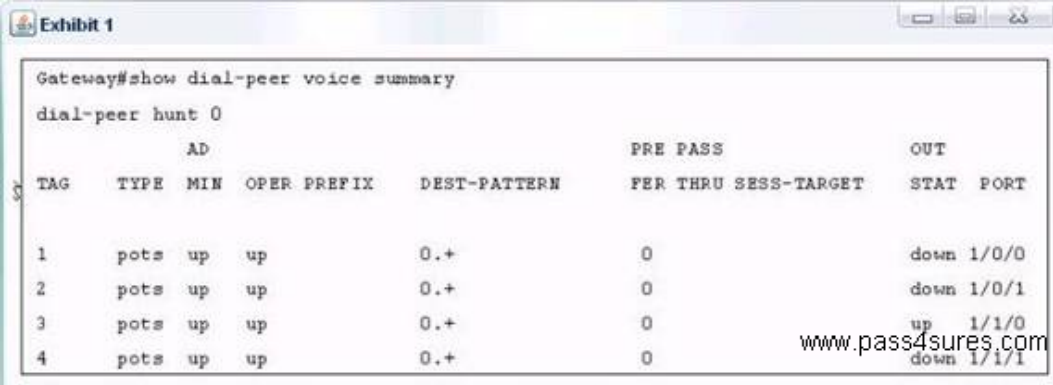
You have a client who is designing a gateway solution for an IP communications network. The T1 needs to support ANI for both incoming and outgoing calls. How should the gateway be configured?

- 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?



```

Gateway#show dial-peer voice summary
dial-peer hunt 0
      Ad
TAG   TYPE  MIN  OPER  PREFIX  DEST-PATTERN  PRE  PASS  PER  THRU  SESS-TARGET  OUT  STAT  PORT
1     pots  up   up    0.+     0.+           0    0      0    0      0            down 1/0/0
2     pots  up   up    0.+     0.+           0    0      0    0      0            down 1/0/1
3     pots  up   up    0.+     0.+           0    0      0    0      0            up   1/1/0
4     pots  up   up    0.+     0.+           0    0      0    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?



```

2811(config-app)#service aa flash:its-CISCO.2.0.1.0.tcl
2811(config-app-param)#
*Sep 20 17:24:11.545: //-1//HIFS:/hifs_ifs_cb: hifs_ifs file read succeeded. size=6627, url=flash:its-CISCO.2.0.1.0.tcl
*Sep 20 17:24:11.549: //-1//HIFS:/hifs_free_idata: hifs_free_idata: 0x48CA4354
*Sep 20 17:24:11.549: //-1//HIFS:/hifs_hold_idata: hifs_hold_idata: 0x48CA4354
2811(config-app-param)#param operator 5000
Warning: parameter operator has not been registered under aa namespace
2811(config-app-param)#
www.pass4sures.com

```

- 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.....