

642-453

Cisco

Gateway Gatekeeper(GWGK)

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QUESTION 1:

When configuring a gatekeeper-controlled H.255 trunk, what is the maximum number of Cisco Unified CallManager systems that can be assigned to the trunk?

- A. 4
- B. 1
- C. 3
- D. 6
- E. 2
- F. 8

Answer: C

QUESTION 2:

Which codec complexity should be configured to maximize the number of simultaneous voice calls that can be supported by a PVDM2-16?

- A. Flex
- B. High
- C. Medium
- D. Low

Answer: A

QUESTION 3:

Exhibit:

```
1d20h: ISDN Se3/0:15: outgoing call id = 0x85F4, ds1 0
1d20h: ISDN Se3/0:15: process_pri_call(): call id 0x85F4, number 35293315, speed 0,
call type VOICE, redialed? f, csm call? f, pdata? t
1d20h: called type/plan overridden by call_decode
1d20h: did't copy oct3a reason: not CALLER_NUMBER_IE
1d20h: building outgoing channel id for call nfas_int is 0 len is 0
1d20h: ISDN Se3/0:15:RX -> INFO sapi = 0 tei = 0 ns = 19 nr = 19 i =
0x0802008905040380x08020089050400x08020089050x08020089050403809
1d20h: SETUP pd=8 called Rx 0089
1d20h: Bearer capability i = 0x809013
1d20h: Channel ID i = 0xA98381
1d20h: Progress Ind i = 0x8183 - Origination address is non-ISDN
1d20h: Called Party Number i = 0x80, '35293315', Plan:unknown, Type:unknown
1d20h: ISDN Se3/0:15:RX <- RRR sapi = 0 tei = 0 nr = 20
1d20h: ISDN Se3/0:15:RX <-INFO sapi = 0 tei = 0 ps = 19 nr = 20 i =
0x080200895A08028286
1d20h: RELEASE_COMP ps = 0 call ef = 078189
1d20h: Cause i = 0x8286 - Channel unacceptable
1d20h: ISDN Se3/0:15:TX -> RRR sapi = 0 tei = 0 nr = 20
1d20h: ISDN Se3/0:15: CCPRI_releaseChan released_b_dsl 0 B_chan 1
1d20h: CCPRI_releaseChan released_b_dsl 0 B_chan 1
1d20h: ISDN Se3/0:15: LIF_EVENT: ces/callid 1/0x85F4 CALL_REJECTION
1d20h: ISDN Se3/0:15: LIF_EVENT: ces/callid 1/0x85F4 CALL_CLEARED
1d20h: ISDN Se3/0:15: received CALL_CLEARED call_id 0x85F4
```

Please study the exhibit carefully. Certkiller .com is integrating a Cisco Unified CallManager system with the existing PBX via an E1 QSIG trunk. After the initial configuration, no calls can be placed from IP phones to PBX phones. How can this problem be resolved?

- A. Add the command isdn negotiate-bchan to the serial interface.
- B. Increase the ISDN T302 timer to allow more time for call setup.

- C. Change the channel selection order from descending to ascending.
- D. Add the command `isdn contiguous-bchan` to the serial interface.

Answer: A

QUESTION 4:

Which two statements are correct descriptions of bandwidth management and bandwidth control? (Choose two.)

- A. Both bandwidth management and bandwidth control are H.323 mandatory functions.
- B. Bandwidth management is an H.323 optional function and bandwidth control is a mandatory function.
- C. Bandwidth management manages endpoint bandwidth and provides intrazone call admission control, while bandwidth control provides interzone call admission control.
- D. Bandwidth management manages endpoint bandwidth requirements and bandwidth control provides call admission control.
- E. Bandwidth management provides call admission control and bandwidth control manages endpoint bandwidth requirements.
- F. Bandwidth management is an H.323 mandatory function and bandwidth control is an optional function.

Answer: B,E

QUESTION 5:

Please study the exhibit carefully. Certkiller .com needs to have the receptionist at extension 5000 handle all callers who exit their auto attendant by pressing "0". After changing the Operator parameter from 5500 to 5000, callers are still sent to extension 5500 when they press "0" in the auto attendant. What needs to be done to correct this issue?

```
!
application
service aa flash:its-CISCO.2.0.1.0.tcl
 paramspace english index 0
 paramspace english language en
 param operator 5000
 paramspace english location flash:
 paramspace english prefix en
 param an-pilot 5099
!
!output omitted
!
dial-peer voice 1 pots
 service aa
 incoming called number 5999
!
```

- A. The aa application needs to be reloaded in order to recognize the parameter changes.
- B. The application needs to be edited to point to the correct operator.
- C. Dial peer 1 needs to be restarted using the shutdown and no shutdown commands.
- D. The Operator parameter should be configured under dial peer 1 using the param command.
- E. The gateway needs to be reloaded for application changes to take effect.

Answer: A

QUESTION 6:

Which issue found in CAS T1s can be eliminated by converting to PRI?

- A. the inability to send and receive ANI on all DS0s
- B. long call setup due to few signaling bits per frame
- C. voice quality issues involving robbed bits
- D. PSTN switch type mismatches
- E. outgoing call channel order mismatch (descending vs. ascending)

Answer: A

QUESTION 7:

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. ensuring the correct location of voice gateways in the network
- C. implementing the correct WAN topology
- D. determining the intrasite modem and fax traffic patterns
- E. provisioning a common codec for all WAN connections
- F. determining if gatekeeper redundancy or high availability is required

Answer: C,E,F

QUESTION 8:

How can you configure an MGCP gateway so that it is controlled by the Cisco Unified CallManager?

- A. The Cisco Unified CallManager and the MGCP gateway are peers; the Cisco Unified CallManager does not control MGCP gateways.
- B. Use the telephony-service ccm-compatible gateway command to enable the Cisco Unified CallManager to control the gateway.

- C. Configure the MGCP gateway in the Cisco Unified CallManager; the gateway will automatically be sent a configuration.
- D. Configure the gateway on the Cisco Unified CallManager, configure the gateway for MGCP, and define the Cisco Unified CallManager as the call agent on the gateway.
- E. Use the mgcp-gateway voip srcadd gateway command to bind the gateway to the Cisco Unified CallManager.

Answer: D

QUESTION 9:

When an IP-to-IP gateway registers with a gatekeeper, what type of endpoint is the gateway listed as?

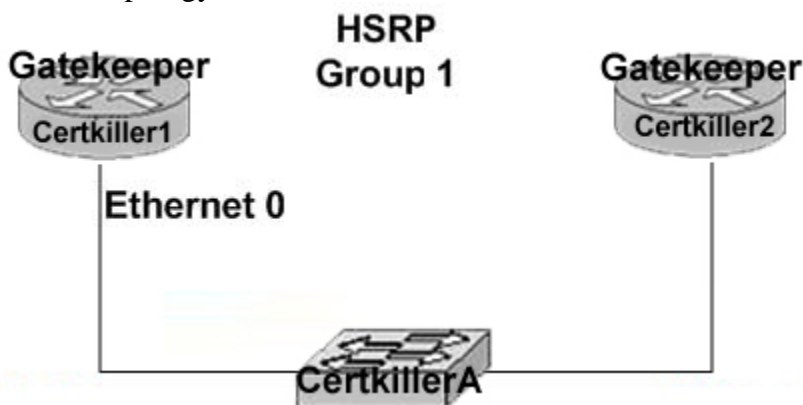
- A. VOIP
- B. H323-GW
- C. gateway
- D. IP-IP

Answer: B

QUESTION 10:

DRAG DROP

Network topology exhibit



You work as a network technician at Certkiller .com. You study the network topology exhibit carefully. You are required to configure the Certkiller 1 Gatekeeper, Your boss, Miss Certkiller, has already entered the IP address command. A command can be entered both as a interface command and as a gatekeeper command. You are not required to use all options.

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