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Guarantee

Vendor:Cisco

Exam Code:400-051

Exam Name:CCIE Collaboration Written

Version:Demo

QUESTION 1

Refer to the exhibit.

```
CUBE-2#show voice high-availability summary
===== Voice HA DB INFO =====
Number of calls in HA DB: 28 (MAX:2048)
Number of calls in HA sync pending DB: 12
Number of calls in HA preserved session DB: 9
```

This output was captured on a Cisco IOS gateway shortly after it became the active Cisco Unified Border Element in a box-to-box redundancy failover. How many calls are native to this Cisco Unified Border Element?

- A. 9
- B. 12
- C. 19
- D. 31
- E. 40

Correct Answer: D

Total no of calls =28+12=40. So, native calls are =40-9=31.

References: <http://www.cisco.com/c/en/us/support/docs/voice-unified-communications/unified-border-element/112095-cube-hsrp-config-00.html>.

QUESTION 2

The Director of Information Security of your company wants to log all calls when a user's phone goes off-hook and immediately back to on-hook in Call Detail Records.

Which option is the minimum Cisco Unified CM Service Parameter configuration that is needed to ensure compliance to this policy?

- A. Set CDR Enabled Flag to True and set Call Diagnostics Enabled to Enable Only When CDR Enabled Flag is True.
- B. Set CDR Enabled Flag to True and set Call Diagnostics Enabled to Enable Regardless of CDR Enabled Flag.
- C. Set CDR Log Calls with Zero Duration Flag to True.
- D. Set CDR Enabled Flag to True.
- E. Set CDR Enabled Flag and CDR Log Calls with Zero Duration Flag to True.

Correct Answer: D

QUESTION 3

When a Cisco IOS gatekeeper receives an ARQ from a registered endpoint, what is the first step it will take in an attempt to resolve the destination address?

- A. Check to see if the destination address is locally registered.
- B. Check to see if the destination address matches the technology prefix.
- C. Check to see if the destination address matches the local zone prefix.
- D. Check to see if the destination address matches the remote zone prefix.
- E. Check to see if the destination address matches the default technology prefix.

Correct Answer: B

Admission Request (ARQ) and Location Request (LRQ) are the two H.225 Registration, Admission, Status (RAS) messages that trigger a gatekeeper to initiate the call routing decision process. ARQ--Local zone messages that are sent by

H.323 endpoints (usually gateways) to the Cisco gatekeeper. Gatekeepers receive ARQs from an endpoint if.

-

A local zone endpoint initiates a call. OR

-

A local zone endpoint request permission to admit an incoming call.

QUESTION 4

In addition to SIP triggers, which two trigger types can invoke applications on Cisco Unity Express? (Choose two.)

- A. HTTP
- B. IMAP
- C. VoiceView
- D. JTAPI
- E. Cisco Unified CM telephony
- F. voice mail

Correct Answer: AD

Triggers are incoming events that invoke application which in turn starts executing the script associated with that application. For example, the incoming event can be an incoming call or an incoming HTTP request. After you have created and

configured your application, you need to create a trigger on the Cisco Unity Express module to point to that application.

Cisco Unity Express supports three types of triggers:

?SIP triggers -- Use this type of trigger to invoke applications in Cisco Unified CME and Cisco SRST mode. This type of trigger is identified by the phonenumber which is dialed to invoke the desired application. ?JTAPI triggers -- Use this type

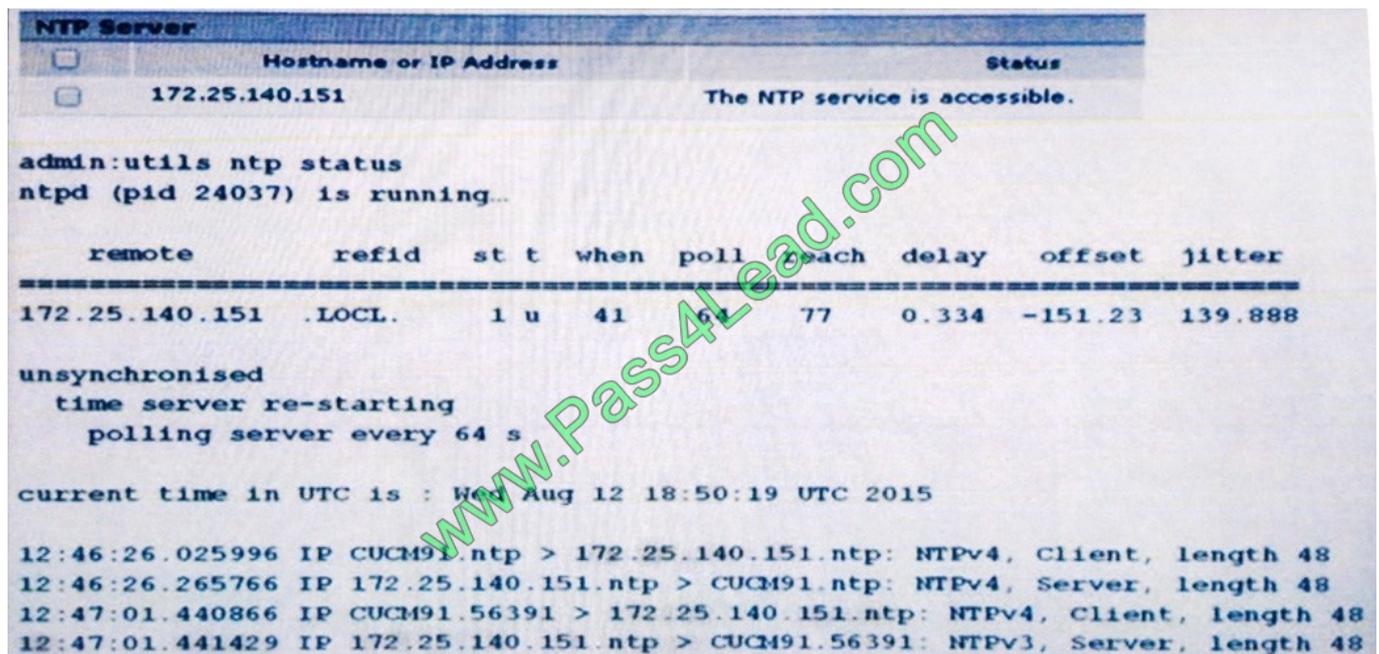
of trigger to invoke applications in Cisco Unified Communications Manager mode. This type of trigger is identified by the phonenumber which is dialed to invoke the desired application. ?HTTP triggers -- Use this type of trigger to invoke

applications using an incoming HTTP request. Such a trigger is identified by the URL suffix of the incoming HTTP request. This type of trigger can only be used if an IVR license has been purchased and installed on the system.

References: http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/unity_exp/administrator/AA_and_VM/guide/vmadmin_book/syscmp.html#wp1126512

QUESTION 5

Refer to the exhibit.



```
NTP Server
-----
[ ] Hostname or IP Address      Status
[ ] 172.25.140.151             The NTP service is accessible.

admin:utils ntp status
ntpd (pid 24037) is running...

      remote      refid      st t  when  poll  reach  delay  offset  jitter
-----
172.25.140.151 .LOCL.      1 u   41    64    77    0.334  -151.23  139.888

unsynchronised
time server re-starting
polling server every 64 s

current time in UTC is : Wed Aug 12 18:50:19 UTC 2015

12:46:26.025996 IP CUCM91.ntp > 172.25.140.151.ntp: NTPv4, Client, length 48
12:46:26.265766 IP 172.25.140.151.ntp > CUCM91.ntp: NTPv4, Server, length 48
12:47:01.440866 IP CUCM91.56391 > 172.25.140.151.ntp: NTPv4, Client, length 48
12:47:01.441429 IP 172.25.140.151.ntp > CUCM91.56391: NTPv3, Server, length 48
```

A network engineer is troubleshooting a NTP synchronized issue in CUCM. Why is NTP unsynchronized?

- A. The NTP server used is a Windows based NTP server.
- B. The IOS Command NTP server 172.25.140.151 version 3 is advertising NTPv3.
- C. The NTP server stratum is higher than four.
- D. A firewall is blocking NTP port 123.

Correct Answer: A

QUESTION 6

Refer to the exhibit.

```
voice translation-rule 5
  rule 1 /91\([27]..\)\(.*\)/ /+\1\2/
  rule 2 /91\([567][456]..\)\(.*\)/ /+\0\2/
  rule 3 /91\((7+..\)\(.*\)/ /+1\1\2/
  rule 4 /91\(.*\)/ /+\0\1/

RTR1#test voice translation-rule 5 917765284569
Matched with rule 1
Original number: 917765284569   Translated number: +7765284569
Original number type: none       Translated number type: none
Original number plan: none       Translated number plan: none
```

A collaboration engineer is troubleshooting outgoing calls that do not work to a specific number. The PSTN provider is playing a prompt explaining that the dialed number is missing the "1" for long Distance calls. Which four configuration changes resolve this issue? (Choose four)

- A. edit rule 4 and change /+\0\1/ to /+1\0\1\2/
- B. edit rule 1 and change \([27]..) to (7+.)
- C. edit rule 3 and change /+1\1\2/ to /+1\2/
- D. edit rule 2 and change /+\0\2/ to /+1\0\1\2/
- E. edit rule 2 and change \([567][456]..) to \([5-7][4-6]..)
- F. edit rule 4 and change \(.*) to \((776))(.*)
- G. edit rule 1 and change /+\1\2/ to /+1\1\2/
- H. edit rule 3 and change \((7+ \) to ([27]..)

Correct Answer: DFGH

QUESTION 7

Refer to the exhibit.

```
ephone-dn 3 octo-line
  number 1645
  label 1645
  description John Doe
  name John Doe
  mobility

!
ephone-template 1
  softkeys idle Redial Newcall Mobility Cfdall Pickup Dnd
  softkeys connected Endcall Hold Mobility
!
ephone 3
  device-security-mode none
  mac-address 0023.5EB7.2949
  ephone-template 1
  type 7962
  button 1:3
```

A Cisco Unified CME administrator is configuring SNR for a line and has these requirements:

-The remote phone should receive the call after the local phones ring for 10 seconds. -The ANI displayed on the remote phones should be the local extension number. Which two configuration commands complete these requirements? (Choose two.)

- A. snr 92875421 delay 15 timeout 10
- B. snr 92875421 delay 10 timeout 20
- C. snr calling-number local
- D. snr calling-number remote
- E. snr answer-too-soon 10

Correct Answer: BC

QUESTION 8

Refer to the exhibit.

```

isdn switch-type primary-dms100

controller T1 1/0
framing esf
linecode b8zs
pri-group timeslots 1-24 nfas_d primary nfas_int 0 nfas_group 1

controller T1 1/1
framing esf
linecode b8zs
pri-group timeslots 1-24 nfas_d backup nfas_int 1 nfas_group 1

controller T1 2/0
framing esf
linecode b8zs
pri-group timeslots 1-24 nfas_d none nfas_int 2 nfas_group 1

controller T1 2/1
framing esf
linecode b8zs
pri-group timeslots 1-24 nfas_d none nfas_int 3 nfas_group 1

```

From this NFAS-enabled T1 PRI configuration on a Cisco IOS router, how many bearer channels are available to carry voice traffic?

- A. 91
- B. 92
- C. 93
- D. 94
- E. 95

Correct Answer: D

In this configuration controller T1/0 (primary) and T1/1 (backup) have each 23 available B channels, because one channel in each controller is reserved respectively for primary and backup D channel for signaling control. T2/0 and T2/1 each have 24 B channels available. So the correct answer should be 94.

QUESTION 9

Which two mechanisms does Cisco EnergyWise use for neighbor discovery? (Choose two.)

- A. multicast
- B. LLDP-MED
- C. UDP broadcast

D. Cisco Discovery Protocol

E. TCP

Correct Answer: CD

Cisco EnergyWise Neighbor Discovery Process The Cisco EnergyWise neighbor discovery process is the mechanism by which domain members discover each other and populate their Cisco EnergyWise neighbor tables. Cisco EnergyWise queries can subsequently be distributed to all domain members using the neighbor relationships to monitor and control the power usage of devices within a domain. Cisco EnergyWise domain members automatically discover their neighbors through one of two mechanisms: UDP broadcast packets are automatically sent out switch ports which support Cisco EnergyWise, regardless of whether the interfaces are configured with the no energywise interface-level command. CDP packets are sent when CDP is configured for the switch ports.

References: http://www.cisco.com/en/US/docs/solutions/Enterprise/Borderless_Networks/Energy_Management/energy_wisedg.html?referring_site=smartnavRD#wp555927

QUESTION 10

You are assisting a customer to troubleshoot a SIP early-offer problem with a SIP service provider. You have enabled Cisco CallManager trace and set the debug trace level to Detailed for SIP Call Processing trace on their standalone Cisco Unified Communications Manager 9.1 system. Using the RTMT tool, your customer has remote browsed to the Cisco UCM and asked you which trace file to download.

What is the trace file name syntax in which detailed SIP messages are logged?

A. SDL

B. SDI

C. CCM

D. Call logs

E. Traces

Correct Answer: A

SDL files log SIP messages from CCM.

QUESTION 11

When DSP oversubscription occurs on a Cisco IOS router using DSP modules that are based on the C5510 chipset, what will happen when an analog phone connected to a FXS port goes off-hook?

A. A fast busy tone will be played.

B. A slow busy tone will be played.

C. A network busy tone will be played.

D. A dial tone will be played, but digits will not be processed.

E. No tone will be played.

Correct Answer: E

When DSP oversubscription occurs for both analog ports and digital ports, except PRI and BRI. FXO signaling and application controlled endpoints are not supported. This feature does not apply to insufficient DSP credits due to mid-call codec changes (while a call is already established).

QUESTION 12

A collaboration engineer is designing a phone VPN infrastructure and the company security team requires Active Directory for authentication. Which two phone VPN configurations meet this requirement? (Choose two)

- A. user ID and password authentication
- B. certificate-only authentication
- C. auto-network-detect authentication
- D. password-only authentication
- E. Cisco ASA Host ID check authentication
- F. Cisco Unified CM user ID and password authentication

Correct Answer: AD

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