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QUESTION & ANSWER



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Exam : **400-051**

Title : **CCIE Collaboration**

Version : **Demo**

1.Refer to the exhibit.

```
Jan 10 05:55:35.130: MGCP Packet sent to 10.1.1.2:2427--->
NTFY 217738192 *@MGCP-gateway.cisco.com MGCP 0.1
X: 0
0:
<--

Jan 10 05:55:35.130: MGCP Packet received from 10.1.1.2:2427 --->
200 217738192
<---
```

The MGCP debugs were captured on a Cisco IOS MGCP PRI gateway registered to a Cisco Unified CM. Assume that this gateway had no active calls and will not take any new calls for the next 3 minutes. What time it will send the next NTFY message to the Cisco Unified CM?

- A. Jan 10 05:56:35.130
- B. Jan 10 05:55:45.130
- C. Jan 10 05:55:50.130
- D. Jan 10 05:56:05.130
- E. Jan 10 05:55:40.130

Answer: C

2.DRAG DROP

An engineer is setting up a proxy TFTP between multiple Cisco communication Manager clusters. Drag the step from the left to the correct order on the right to properly configure the certificates for the proxy TFTP. Not all options will be used.

Export all certificates using Bulk Certificate management in all participant Clusters.	Step 1
Import the certificates on each participant cluster using Bulk Certificate Import.	Step 2
Restart the Cisco CallManager and Cisco Tomcat services in all participant servers.	Step 3
Enable "uto-Registration" in all participant clusters to allow phone to register.	Step 4
Select "onsolidate" from each Publisher of the remote clusters.	
Choose "onsolidate" from one Publisher of any participant cluster.	
Configure the same Global Cluster ID in Enterprise Parameters in all participant clusters	
Perform a restart of the Cisco CallManager and Cisco Tomcat services in the Home cluster.	

Answer:

Export all certificates using Bulk Certificate management in all participant Clusters.	
Choose "onsolidate" from one Publisher of any participant cluster.	
Import the certificates on each participant cluster using Bulk Certificate Import.	
Restart the Cisco CallManager and Cisco Tomcat services in all participant servers.	
Enable "uto-Registration" in all participant clusters to allow phone to register.	
Select "onsolidate" from each Publisher of the remote clusters.	
Configure the same Global Cluster ID in Enterprise Parameters in all participant clusters	
Perform a restart of the Cisco CallManager and Cisco Tomcat services in the Home cluster.	

3.Refer to the exhibit.

```

%CC_CALLMANAGER-6-StationConnectionError: %([DeviceName=MTPSITEA])([ReasonCode=4])([ClusterID=StandAloneCluster]
[NodeID=GLPCUCM10]): Station device is closing the connection
|AppInfo (New connection accepted. DeviceName=, TCPPIid = [1.100.14.145],
IPAddr=172.35.140.1, Port=58046, Device Controller=[0,0,0])
|SdlSig (StationClose (waiting (MediaTerminationPointControl(1,100,137,136) (StationInit(1,100,62,1)
[1.100.14.145.2~172.35.140.1~* ([R:V-H:0,N:0,L:0,V:0,Z:0,D:0] CloseStationReason = 4 StationId =
|AppInfo (MediaTerminationPointControl(136)::star_StationClose DeviceName= MTPSITEA
|AppInfo (MediaTerminationPointControl(136)::decTotalCounter Count=100
|AppInfo (MediaTerminationPointControl(136)::decAvailableCounter - Count=100
|AppInfo (MediaTerminationPointControl(136)::decActiveCounter - Count=0
|AppInfo (MediaTerminationPointControl(136)::deleteStateInstance -
Delete State Instance for MtpdControl succeeded - Device = MTPSITEA.statIndex= 1
|SdlSig (MediaTerminationPointStopConf (shutting down (MediaTerminationPointControl(1,100,137,136)
|MediaTerminationPointControl(1,100,137,136) [1,100,14,145.2~172.35.140.1~* ([R:N-H:0,N:0,L:0,V:0,Z:0,D:0]
|AppInfo (MediaTerminationPointControl(136)::shutting_down_MediaTerminationPointStopConf - Device = MTPSITEA - Un-registered
    
```

A cisco collaboration engineer discovers that an instance of IOS media termination point (MTP) could not maintain stable registration with CUCM. Call manager traces is showing in the exhibit.

What is the reason for the flapping registration?

- A. The CCM version on IOS configuration does not match the CUCM version.
- B. The IOS MTP is experiencing high CPU and is missing its keep-alive.
- C. A Firewall is blocking port 2000 intermittently between IOS Device and CUCM.
- D. Another IOS Media device is attempting to register with the same name.

Answer: D

4.A CUCM engineer has deployed Type B SIP Phones on a remote site and no SIP dial rules were deployed for these phones.

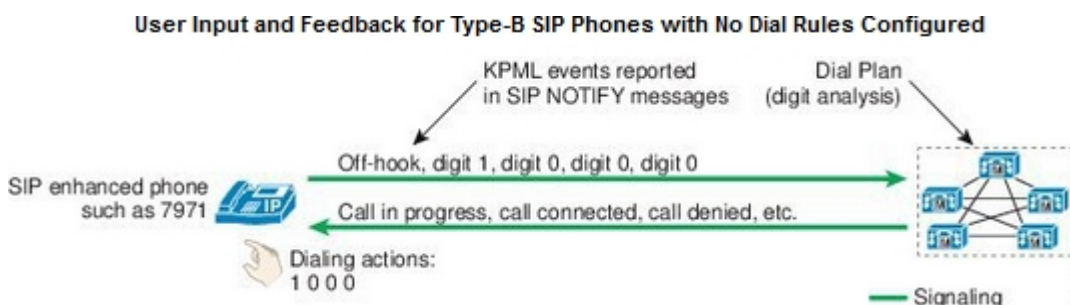
How Will CUCM receive the DTMF after the phone goes off- hook and the button are pressed?

- A. Each digit will be received by CUCM in a SIP NOTIFY message as soon as they are pressed
- B. The first digit will be received in a sip invite and subsequent digits will be received using NOTIFY message as soon as they are pressed.
- C. Each digit will be received by CUCM in a SIP INVITE as soon as the dial soft key has been pressed.
- D. All digits will be received by CUCM in a SIP INVITE as soon as the dial soft key has been pressed

Answer: A

Explanation:

Type-B IP telephones offer functionality based on the Key Press Markup Language (KPML) to report user key presses. Each one of the user input events will generate its own KPML-based message to Unified CM. From the standpoint of relaying each user action immediately to Unified CM, this mode of operation is very similar to that of phones running SCCP.



Every user key press triggers a SIP NOTIFY message to Unified CM to report a KPML event corresponding to the key pressed by the user. This messaging enables Unified CM's digit analysis to recognize partial patterns as they are composed by the user and to provide the appropriate feedback, such as immediate reorder tone if an invalid number is being dialed.

In contrast to Type-A IP phones running SIP without dial rules, Type-B SIP phones have no Dial key to indicate the end of user input. A user dialing 1000 would be provided call progress indication (either ringback tone or reorder tone) after dialing the last 0 and without having to press the Dial key. This behavior is consistent with the user interface on phones running the SCCP protocol.

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/5x/50dialpl.html#wp1090653

<https://supportforums.cisco.com/document/87236/working-concept-sccp-sip-phones-and-dial-rules>

5. Which two Cisco Unified Communications Manager Express hunt group mechanisms keep track of the number of hops in call delivery decisions? (Choose two.)

- A. sequential
- B. peer
- C. longest idle
- D. parallel
- E. overlay
- F. linear

Answer: BC