

642-427^{Q&As}

Troubleshooting Cisco Unified Communications v8.0 (TVOICE v8.0)

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QUESTION 1

Please choose four mandatory features of an H.323 gatekeeper from the following items.

- A. Admission control
- B. Address resolution
- C. Bandwidth control
- D. Zone management

Correct Answer: ABCD

QUESTION 2

Refer to the exhibit.

(output omitted)

controller T1 0/0/0
framing esf
linecode b8zs
cablelength short 133
pri-group timeslots 1-24
description PRT to PSTN

voice-port 0/0/0:23
description Branch Pri to PSTN

(output omitted)

When the WAN link to headquarters fails, branch users report that their audio volume is acceptable but they experience excessive echo when they call long- distance numbers to remote PBX phones. Which troubleshooting step reduces echo best?

- A. Add the command input gain 3 on voice-port 0/0/0:23.
- B. Add the command output attenuation 3 on voice-port 0/0/0:23.
- C. Apply QoS on voice-port 0/0/0:23 by adding the command service-policy output priority.
- D. Apply QoS on voice-port 0/0/0:23 by adding the command service-policy output voice.

Correct Answer: B

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QUESTION 3

Refer to the exhibit.

When calling 911, which gateway/route list is defined in the route pattern in Cisco Unified Communications Manager and used to route matched digits to the PSTN?

- A. SEP002290BA361B
- B. standardLocalRG C. RouteListCdrc
- D. LRG RL
- E. nodeld = 1
- F. BRANCH

Correct Answer: D

QUESTION 4

If you need to avoid choppy speech, what is the maximum tolerable round-trip delay between two VoIP endpoints?

- A. 100 ms
- B. 200 ms
- C. 300 ms
- D. 400 ms
- E. 500 ms



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F. 800 ms

Correct Answer: C

QUESTION 5

After a successful login using Cisco Extension Mobility, an IP phone performs a restart followed by a reset.

What can cause this issue?

- A. The phone model to which the user logged in is a different model than the model that is configured in the user device profile.
- B. The locale that is configured on the phone is different than the locale that is configured in the user device profile.
- C. The security profile that is specified in the user device profile does not match the security profile for the phone where the user logged in.
- D. The user device profile and the phone that is used for the Cisco Extension Mobility log in do not use the same phone protocol.

Correct Answer: B

QUESTION 6

Which two of the following VoIP gateway platforms are considered to be ISRs? (Select two.)

- A. Cisco 2600XM Series
- B. Cisco 2800 Series
- C. Cisco Catalyst 6500 Series
- D. Cisco 3800 Series

Correct Answer: BD

QUESTION 7

When a Cisco Unified Border Element connects two VoIP streams using flow-around media, which of the following options describe the components of the call that flow around and the components that flow through the device?

A. All security information flows through the Cisco Unified Border Element, and all call signaling and RTP flows around the device.



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- B. Call signaling flows through and call media flows around the device.
- C. Call media flows through and call signaling flows around the device.
- D. The initial call-signaling traffic flows through the device to initiate the call and then all subsequent calls flow around the device.

Correct Answer: B

QUESTION 8

You have a Cisco Unified Communications Manager cluster with four servers that are integrated with two Cisco Unity Connection servers and two Cisco Unified Contact Center Express servers. Some of the Cisco IP Phones are not implementing configuration changes that you assign to them.

Which troubleshooting approach can you implement to have the Cisco IP Phones accept all configuration changes?

- A. Synchronize the databases in Cisco Unity Connection and Cisco Unified Contact Center Express.
- B. Synchronize the database between Cisco Unity Connection and of Cisco Unified Communications Manager.
- C. Synchronize the database between Cisco Unified Contact Center Express and Cisco Unified Communications Manager.
- D. Synchronize the database between the Publisher and the Subscriber of Cisco Unified Communications Manager.

Correct Answer: D

QUESTION 9

Refer to the exhibits.

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```
| Comparison | Com
```

```
filteredPartitionSearchSpaceString(Internal Pt:HQ Local:HQ LD:HQ Intl:PSTN Pt:Blk_intl Pt),
0.19~SEP0021A006BP06
11:09:52.401 [Digit Analysis: star DaReg: Matching Legacy Numeric,
digits=11.100, 49,1.26631*10.1.110.19~SEP0021A006BP06
11:09:52.402 [Digit Analysis: getpAReg data: dapes.ssType=FQ] Intercept DAMR.sstype=FQ], TPcount-FQ],
DAMR.MotifyCount-FQ], DaReg.MotifyCount-FQ][1,100, 49,1.26631*10.1.110.19~SEP0021A006BP06
11:09:52.402 [Digit Analysis: getpAReg data: dapes.ssType=FQ] Intercept DAMR.sstype=FQ], TPcount-FQ],
DAMR.MotifyCount-FQ], DaReg.MotifyCount-FQ][1,100, 49,1.26631*10.1.110.19~SEP0021A006BP06
11:09:52.402 [Digit analysis: match [pi="2" (qune *magas*f122001", cn="2001", plv="5",
TodFilteredPase="Internal Pt:HQ Local:HQ LD:HQ Intl:PSTN Pt:Blk intl Pt",
dd="",dac="0")[1,100,49,1.2631*10.1.10.19~SEP0021A006BP06
11:09:52.402 [Digit analysis: potentialHarches*fotentialHarchesExist[1,100,49,1.26631*10.1.110.19~SEP0021A006BP06
11:09:52.402 [Digit analysis: potentialHarches*fotentialHarchesExist[1,100,49,1.26633*10.1.110.19~SEP0021A006BP06
11:09:52.403 [Digit analysis: potentialHarches*fotentialHarchesExist[1,100,49,1.26633*10.1.110.19~SEP0021A006BP06
11:09:52.404 [Digit Analysis: potentialHarches*fotentialHarchesExist[1,100,49,1.26633*10.1.110.19~SEP0021A006BP06
11:09:52.404 [Digit Analysis: potentialHarches*fotentialHarchesExist[1,100,49,1.26633*10.1.110.19~SEP0021A006BP06
11:09:52.404 [Digit Analysis: star_DaReg Harching Legacy Numeric,
the
```

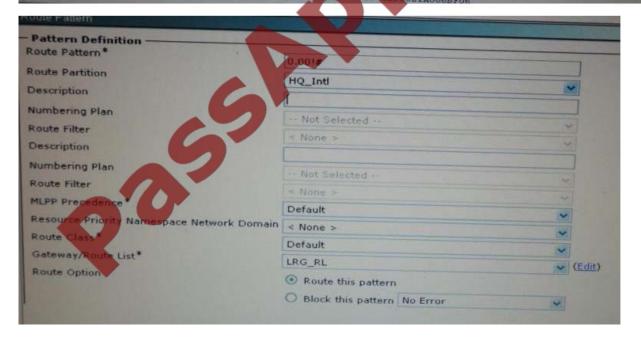


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```
evice=SEP0021A086BF06|1,100,49,1.26633^10.1.110.19^SEP0021A086BF06
1:09:52.945 |StationD:
                                       (0000004) StartTone tone=34(OutsideDialTone),
irection=0.|1,100,49,1.26633^10.1.110.19^SEP0021A086BF06
1:09:53.168 |StationInit: (0000004) KeypadButton kpButton-0. |1,100,49,1
1:09:53.168 |StationD:
                                   (0000004) StopTone. |1,100,49,1.26634^10.1.110.19
                                                                                                           34-10.1.1.
SEP0021A086BF06
                                                                                                                0.1.110.19 SEP0021A086BF06
11:09:53.168 |StationD:
                                       (0000004) SelectSoftKeys instance=1 referen
validKeyMask=fffeffff. |1,100,49,1.26634^10.1.110.19^SEP0021A086BF06
                                                                                                            3772 softKeySetIndex=6
11:09:53.168 | Digit Analysis: star_DaReq: daReq.partitionSearchSpace
                                                                                                      9b20-c431-fc03-ef0a-54366a73e9da:ef986072
-d5cd-e54d-405c-92026a006364),
filteredPartitionSearchSpaceString(Internal_Pt:HQ_Local:HQ_LD:HQ_Inter:PSTN_Pt:Blk_intl_Pt),
partitionSearchSpaceString(SAF_Pt:Internal_Pt:HQ_Local:HQ_LD:HQ_Intl:PSTN_Pt:Blk_intl_Pt)|1
                                                                                             tl: PSTN_Pt:Blk_intl_Pt) (1,100,49,1.26634*10.1.11
0.19^SEP0021A086BF06
11:09:53.169 | Digit Analysis: star DaReq: Matching Legac
digits=00|1,100,49,1.26634^10.1.110.19^SEP0021A086BF06
11:09:53.169 (Digit Analysis: getDakes data: Land de,1.26634~10.1.110.19~SEP0021A086B; DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]|1,100 de,1.26634~10.1.110.19~SEP0021A086B; 11:09:53.169 [Digit analysis: match(pi="2",fgen="+4989561212001", cn="2001", plv="5", local:HO In:1.PSTN Pt.Blk intl Pt",
11:09:53.169 | Digit Analysis: getDaRes data: daRes.
                                                                           Type=[0] Intercept DAMR.sstype=[0], TPcount=[0], 1.26534^10.1.110.19^SEP0021A086BF06
pss="SAF_Pt:Internal_Pt:HQ_Local:HQ_LD:HQ_Intl:PSTN_Pt:Blk_intl_Pt",
TodFilteredPss="Internal_Pt:HQ_Local:HQ_LD:HQ_LD:HQ_LD:HQ_FSTN_Pt:Blk_intl_Pt",
dd="00",dac="0")|1,100,49,1.26634^10.1.11019^3EP0021A086BF06
 11:09:53.169 | Digit analysis:
potentialMatches=ExclusivelyOffNetPotentialMatchesExist(1,100,49,1.26634^10.1.110.19^SEP0021A086BF06
11:09:53.396 |StationInit: (0000004) KeypadButton kpButton=0.(1,100,49,1.26635^10.1.110.19^SEP0021A086BF06
                                                      Reg: daReq.partitionSearchSpace(517a9b20-c431-fc03-ef0a-54366a73e9da:ef986072
 11:09:53.397 | Digit Analysis: stap
 -d5cd-e54d-405c-92026a006364),
filteredPartitionSearchSpaceString(Internal_Pt:H0_Local:H0_LD:H0_Intl:PSTN_Pt:Blk_intl_Pt),
partitionSearchSpaceString(SAF_Pt:Internal_Pt:H0_Local:H0_LD:H0_Intl:PSTN_Pt:Blk_intl_Pt)[1,100,49,1,26635*10.1.11
 0.19^SEP0021A086BF06
 11:09:53.397 |Digit Analysis: | Car_DaReq: Matching Legacy Numeric,
  digits=000[1,100,49,1.26635*10.1.110.19*SEP0021A086BF06
```

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```
55.783 |StationInit: (0000004) KeypadButton kpButton=2.11,100,49,1.26546^10.1.110.19^SEP0021A086BF06
 11:09:55.786 |Digit Analysis: star_DaReq: daReq.partitionSearchSpace(517a9b20-c431-fc03-ef0a-54366a73e9da:ef9
filteredPartitionSearchSpaceString(Internal_Pt:HQ_Local:HQ_LD:HQ_Intl:PSTN_Pt:Blk_intl_Pt),
partitionSearchSpaceString(SAF_Pt:Internal_Pt:HQ_Local:HQ_LD:HQ_Intl:PSTN_Pt:Blk_intl_Pt)|1,100
11:09:55.786 | Digit Analysis: star_DaReq: Matching Legacy Numeric,
digits=00014087071222|1,100,49,1.26646^10.1.110.19^SEP0021A086BF06
11:09:55.786 |Digit Analysis: getDaRes data: daRes.ssType=[0] Intercept DAMR.sstype=[0],
DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]|1,100,49,1.26646^10.1.110.19^SEP0021A086
11:09:55.786 |Digit analysis: match(pi="2",fqcn="+4989531212001", cn="2001", plv=
pss="SAF_Pt:Internal_Pt:H0_Local:H0_LD:H0_Int1:PSTN_Pt:Blk_int1_Pt",
TodFilteredPss="Internal_Pt:H0_Local:H0_LD:H0_Intl:PSTN_Pt:Blk_intl_Pt",
dd="00014087071222",dac="0")|1,100,49,1.26646^10.1.110.19^SEP0021A086BF06
potentialMatches=ExclusivelyOffNetPotentialMatchesExist[1,100,49,1.26646^10.
11:09:56.228 |StationInit: (00000004) KeypadButton kpButton=f. |1,100,49,1.2664
11:09:56.229 |Digit Analysis: star_DaReq: daReq.partitionSearchSpace($17a9b20-c431-fc03-ef0a-54366a73e9da:ef986
filteredPartitionSearchSpaceString(Internal_Pt:H0_Local:H0_LD:H0_Int
partitionSearchSpaceString(SAF_Pt:Internal_Pt:H0_Local:H0_LD:H0
                                                                        STN_PC Blk_intl_Pt),
                                                                         V_Pt:Blk_intl_Pt) (1,100,49,1.26647^10.1
11:09:56.229 | Digit Analysis: star_DaReq: Matching Legacy N
digits=00014087071222#11,100,49,1.26647^10.1.110.19^SEP0021A0
11:09:56.230 |Digit Analysis: getDaRes data: daRes.ssTyp
AMR. NotifyCount=[0], DaRes. NotifyCount=[0]11,100,49,1.
                                                                    cpt DAMR.sstype=[0], TPcount=[0],
11:09:56.230 |Digit analysis: match(pi="2", fqcn="+49
                                                                1.10.19 SEP0021A086BF06
SS="SAF Pt:Internal Pt:HQ_Local:HQ_LD:HQ_Intl:PSTN_P
                                                                 , cn="2001",plv="5",
odFilteredPss="Internal Pt:HQ Local:HQ LD:HQ Int
                                                                Pt",
d="00014087071222#",dac="0")|1,100,49,1.26647*1
                                                              intl Pt",
```



Examining the SDI trace shows that extension 2001 was configured with both a device and a line CSS. A can is placed to 00014087071222. Which statement about the call is true?

- A. The call will be blocked because the blkJntLPt partition appears in the combined CSS.
- B. The call will work because the PSTN_Pt partition appears before the blk_intl_Pt partition.
- C. The call will work because the blk_intl_Pt partition appears last in the combined CSS.
- D. The call will not work because the blk_intl_Pt partition appears first in the combined CSS.

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E. It is not possible to tell because furthertrace analysis is required

Correct Answer: C

QUESTION 10

Refer to the Exhibit.

```
voice service saf
profile trunk-route 1
session protocol sip interface Loopback Transport tcp port 5060

profile dn-block 1
pattern 1 type global 1408[2-9]XXXXXX

profile callcontrol 1
dn-service
trunk-route 1
dn-block 1

channel 1 vrouter SAF asystem 1
subscribe callcontrol wildcarded
publish callcontrol 1
```

When a Cisco Unified Communications Manager Express advertises directory number pattern in the exhibit. What would the learned pattern be in the RTMT tool on the Cisco Unified Communication Manager?

A. \+1408[2-9]XXXXXX and the ToDID will be 0:

B. 1408[2-9]XXXXXX and the ToDID will be 0:+1408[2-9]XXXXXX

C. \+1408[2-9]XXXXXX and the ToDID will be 0:+1408[2-9]XXXXXX

D. \+1408[2-9]XXXXXX and the ToDID will be empty

E. [2-9] XXXXXX and the ToDID will be 0:+1408[2-9]XXXXXX

Correct Answer: D

QUESTION 11

You have received a trouble ticket stating that users in accounting are not able to use the CFwdAll softkey to forward their calls to voice mail. Their phones continue to ring when they receive inbound calls, even after they have pressed the CFwdAll softkey and the Messages button. What is a possible cause of this issue?

A. The users have not been enabled to use CTI.



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- B. The users have not been associated with their phones.
- C. The voice-mail ports are not registered.
- D. There is a database replication issue with the subscriber the phones are registered to.
- E. The phones are not configured to use the standard phone template.

Correct Answer: D

QUESTION 12

When users in headquarters are put on hold, they can hear MOH. However, when users in the branch office over the WAN link are put on hold, they cannot hear MOH. The Cisco Unified Communications Manager cluster is located in headquarters.

Which solution is most effective to restore MOH to branch users?

- A. Put branch user phones in the same MRGL as the headquarters phones.
- B. Put branch user phones in a different MRGL than the headquarters phones to optimize WAN utilization.
- C. Put branch user phones in the same MRG as the headquarters phones.
- D. Put branch user phones in a different MRG than the headquarters phones to optimize WAN utilization.

Correct Answer: A

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