Vendor: Cisco

Exam Code: 300-080

Exam Name: Troubleshooting Cisco IP Telephony and Video

Version: DEMO

QUESTION 1
When a database replication issue is suspected, which three tools can be used to check the database replication status? (Choose three.)

A. Cisco Unified Communications Manager RTMT tool
B. Cisco Unified Communications Manager Serviceability interface
C. Cisco Unified Reporting
D. Cisco Unified Communications Manager CLI interface
E. Cisco IP Phone Device Stats from the Settings button
F. Cisco Unified OS Administration interface

Answer: ACD

QUESTION 2
Which two troubleshooting tools would initially be the best to use when troubleshooting the PSTN gateway side of a call routing issue while using Cisco Unified Communications Manager? (Choose two.)

A. RTMT trace output
B. Cisco IOS debug commands
C. Dialed Number Analyzer output
D. Cisco Unified Communications Manager alerts
E. Cisco IOS show commands

Answer: BE

QUESTION 3
Which command is used on an IOS Router that is acting as a SAF Forwarder to confirm its registration status with a SAF Client?

A. show ip asf-forwarder status details
B. show ospf neighbor details
C. show ip interface details
D. show cdp neighbor details
E. show eigrp service-family ipv4 clients details
F. show service-family asf-forwarder details

Answer: E

QUESTION 4
In a SAF deployment, the registration status looks correct and the learned patterns appear reachable, but calls are not routed. What is causing this issue?

A. network connection failure between the SAF Forwarder and Cisco Unified Communications Manager
B. network connection failure between the primary and backup SAF Forwarders
C. TCP connection failure with the primary SAF Forwarder
D. TCP connection failure with the backup SAF Forwarder

Answer: A

QUESTION 5
Refer to the exhibits. Assume that all learned SAF routes are placed in the SAF_Pt partition.
An IP phone CSS contains the following partitions in this order: Internal_Pt, SAF_Pt.
When the IP phone places a call to 3001, what will occur?

Learned Pattern

Select a Node CUCM801Pub1 ▼

Pattern	TimeStamp	Status	Protocol	AgentId	IP Address	ToDID
3XXX	2010/04/03 13:55:55	Reachable	SIP	CID10.1.5.11	10.1.5.11(5060)	0:+44228822
3XXX	2010/04/03 13:55:55	Reachable	H323	CID10.1.5.11	10.1.5.11(54532)	0:+44228822

Pattern Definition

Route Pattern*	3XXX
Route Partition	Internal_Pt
Description	
Numbering Plan	-- Not Selected --
Route Filter	< None >
MLPP Precedence*	Default
Resource Priority Namespace Network Domain	< None >
Route Class*	Default
Gateway/Route List*	SIP_Trunk (Edit)
Route Option	○ Route this pattern
	◉ Block this pattern No Error
Call Classification*	OffNet

☐ Allow Device Override ☑ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority
☐ Require Forced Authorization Code
Authorization Level* 0

A. The call will succeed and will be placed via the SAF network. SAF-learned routes always take precedence.
B. The call will fail because it will be blocked by the route pattern.
C. The call will be placed in a round-robin fashion between the SAF network and SIP_Trunk.
D. The call will be placed in a round-robin fashion between the SAF network and SIP_Trunk. Every other call will fail.

Answer: B

QUESTION 6
Refer to the exhibits. Assume that all learned SAF routes are placed in the SAF_Pt partition. The 3XXX directory number pattern is being advertised by a remote cluster and is also being blocked by the local cluster that is shown in the exhibit. An IP phone is attached to the local cluster and is configured with a CSS that contains the following partitions: SAF_Pt and Internal_Pt in this order.

When the IP phone places a call to 3001, what will occur?

```
┌─ Pattern Definition ──────────────────────────────────────────┐
│ Route Pattern*                          3XXX                    │
│ Route Partition                         Internal_Pt          ▼  │
│ Description                                                     │
│ Numbering Plan                          -- Not Selected --   ▼  │
│ Route Filter                            < None >             ▼  │
│ MLPP Precedence*                        Default              ▼  │
│ Resource Priority Namespace Network Domain  < None >         ▼  │
│ Route Class*                            Default              ▼  │
│ Gateway/Route List*                     SIP_Trunk         ▼ (Edit)│
│ Route Option                            ⦿ Route this pattern    │
│                                         ○ Block this pattern  No Error  ▼ │
│ Call Classification*        OffNet                     ▼        │
│ ☐ Allow Device Override ☑ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority │
└────────────────────────────────────────────────────────────────┘
```

```
┌─ Purge and Block SAF CCD Learned Routes Information ───────────┐
│ Learned Pattern            3XXX                                 │
│ Learned Pattern Prefix                                          │
│ Remote Call Control Identity                                    │
│ Remote IP                                                       │
└────────────────────────────────────────────────────────────────┘
```

A. The call will succeed and will be placed via the SIP_Trunk.
B. The call will fail because it will be blocked by the CCD Blocked Learned Route configuration.
C. The call will be placed in a round-robin fashion between the SAF network and SIP_Trunk.
D. The call will placed in a round-robin fashion between the SAF network and SIP_Trunk. Every other call will fail.

Answer: A

QUESTION 7
When dialing any external SIP URI for a business-to-business call, an endpoint that is registered to the Cisco VCS Control fails to locate the remote endpoint. The same endpoint can successfully call another endpoint that is registered to the Cisco VCS Expressway.
How do you resolve this issue?

A. Add traversal call licensing on the Cisco VCS Expressway.
B. Add traversal call licensing on the Cisco VCS Control.
C. Add a multisite option to the endpoint.
D. Configure a proper DNS zone on the Cisco VCS Expressway.
E. Configure a traversal zone between the Cisco VCS Control and the Cisco VCS Expressway.
F. Configure a SIP route pattern in Cisco Unified Communications Manager.

Answer: D

QUESTION 8
Which CLI command monitors ILS replication progress?

A. utils ils findxnode
B. utils ils show peer info
C. utils ils showpeerinfo
D. utils ils lookup

Answer: C

QUESTION 9
When parsing trace output after the call routing decision and path selection have been made, which two records can be found in the CCM|RouteList? (Choose two.)

A. PretransfromDigitString
B. CallingPartyNumber
C. PretransformCallingPartyNumber
D. RouteListName
E. findLocalDevice
F. RouteListCdrc :

Answer: DF

QUESTION 10
Refer to the exhibit. The exhibit shows the output of debug isdn q931. An inbound PSTN call was received by a SIP gateway that is reachable via a SIP trunk that is configured in Cisco Unified Communications Manager. The call failed to ring extension 3001. If the phone at extension 3001 is registered and reachable through the gateway inbound CSS, which three actions can resolve this issue? (Choose three.)

```
*Mar 24 16:17:54.190: ISDN Se0/0/0:15 Q931: RX <- SETUP pd = 8  callref = 0x00AA
        Bearer Capability i = 0x8090A3
                Standard = CCITT
                Transfer Capability = Speech
                Transfer Mode = Circuit
                Transfer Rate = 64 kbit/s
        Channel ID i = 0xA98381
                Exclusive, Channel 1
        Progress Ind i = 0x8183 - Origination address is non-ISDN
        Calling Party Number i = 0x1180, '4940302156001'
                Plan:ISDN, Type:International
        Called Party Number i = 0x81, '2288223001'
                Plan:ISDN, Type:Unknown
*Mar 24 16:17:54.210: ISDN Se0/0/0:15 Q931: TX -> RELEASE_COMP pd = 8  callref =
                      0x80AA
        Cause i = 0x8081 - Unallocated/unassigned  number
```

A. Change the significant digits for inbound calls to 4 on the SIP trunk configuration in Cisco Unified Communications Manager.
B. Configure the digit strip 4 on the SIP trunk under Incoming Called Party Settings in Cisco Unified Communications Manager.

C. Configure a translation pattern in Cisco Unified Communications Manager that can be accessed by the trunk CSS to truncate the called number to four digits.
D. Configure a called-party transformation CSS on the gateway in Cisco Unified Communications Manager that includes a pattern that transforms the number from ten digits to four digits.
E. Configure a voice translation profile in the SIP Cisco IOS gateway with a voice translation rule that truncates the number from ten digits to four digits.
F. Configure the Cisco IOS command num-exp 2288223001 3001 on the gateway ISDN interface.

Answer: ACE

QUESTION 11
Which step in the problem-solving model is important to accurately interview end users to get all the pertinent details of the problem?

A. Implement Action Plan
B. Define the Problem
C. Consider the Possibilities
D. Create Action Plan
E. Gather Facts
F. Observe Results
G. Restart Problem-Solving Process
H. Problem Resolved

Answer: E

QUESTION 12
You are a network technician working in the Network Company. Recently, users complain that they cannot call the PSTN. With the help of testing, you find that the gateway is not switching to the secondary call agent when the primary call agent is unreachable. In order to permit the MGCP gateway to take use of a different call agent once the primary fails, which configuration should you make?

A. Add ccm-manager fallback-mgcp command to the gateway.
B. Add ccm-manager redundant-host command to the gateway
C. Assign a Cisco Unified CallManager group including the secondary call agent to the gateway
D. Define gateway as a non-gatekeeper-controlled intercluster trunk with the secondary Cisco Unified CallManager defined.

Answer: B

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