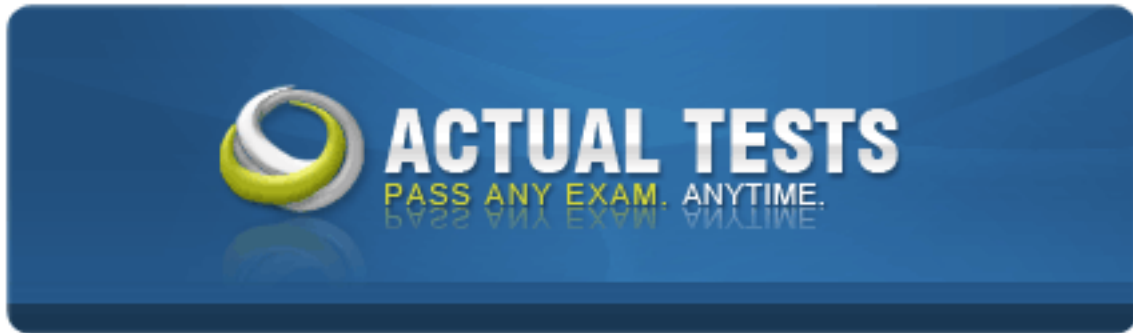


Cisco 642-447



**Implementing Cisco Unified Communications
Manager, Part 1 v8.0 (CIPT1 v8.0)**

Version: 8.0

Topic 1, Architecture and Deployment

QUESTION NO: 1

Which three options correctly describe the role of a subsequent node in a Cisco Unified CallManager 5.0 cluster? (Choose three.)

- A. processes IP telephony calls
- B. collects CDRs
- C. replicates the database to other Cisco Unified CallManager servers
- D. maintains read-only copies of the configuration database

Answer: A,B,D

Explanation:

QUESTION NO: 2

A Cisco Unified Communications Manager cluster contains a publisher and four subscriber nodes. If the publisher becomes unavailable, which three of these statements are true? (Choose three.)

- A. All on-net calls are dropped.
- B. The Informix database automatically locks.
- C. All IP telephony devices continue to operate.
- D. New Cisco Unified Communications Manager devices can be configured.
- E. Available Cisco Unified Communications Manager servers work from the local backup database.
- F. The Informix database will save configuration changes on subscribers to be uploaded to the publisher when available.

Answer: B,C,E

Explanation:

QUESTION NO: 3

Which portion of the master Administrator account can be changed after installing using the CLI?

- A. privilege level
- B. username

- C. password
- D. username and password

Answer: D

```
admin:utils rese
      utils reset_application_ui_administrator_name
      utils reset_application_ui_administrator_password
      utils reset_ui_administrator_name
      utils reset_ui_administrator_password

admin:show ver
admin:show version ac
admin:show version active
Active Master Version: 8.6.2.20000-2
Active Version Installed Software Options:
No Installed Software Options Found.
admin:_
```

QUESTION NO: 4

Which three steps must be completed in order to assign a service URL to an IP phone button?
(Choose three.)

- A. Add an IP phone service.
- B. Subscribe the phone to the service
- C. Associate a valid user profile with the phone.
- D. Assign the IP phone service partition to the CSS of the phone.
- E. Create a soft key template that includes a service URL and assign it to the phone.
- F. Create a phone button template that includes a service URL and assign it to the phone.

Answer: A,B,F

Explanation:

QUESTION NO: 5

Which two features are advantages of deploying a cluster over WAN? (Choose two.)

- A. shared line appearances
- B. centralized DSP resources
- C. extension mobility within the cluster
- D. scalability up to 20 sites, if there is sufficient IP WAN bandwidth
- E. failover to co-resident Cisco Unified Call Manager Express platforms

Answer: A,C

Explanation:

QUESTION NO: 6 DRAG DROP

Click and drag the type of access being controlled on the left to the account name on the right.

Cisco Unified CM Administration CLI	Administrator account
User Web Interface	
Cisco Unified CM Administration	
Cisco Unified Serviceability	Platform Administrator account
Disaster Recovery System	
Cisco Unified Operating System Administration	
	Personal User account

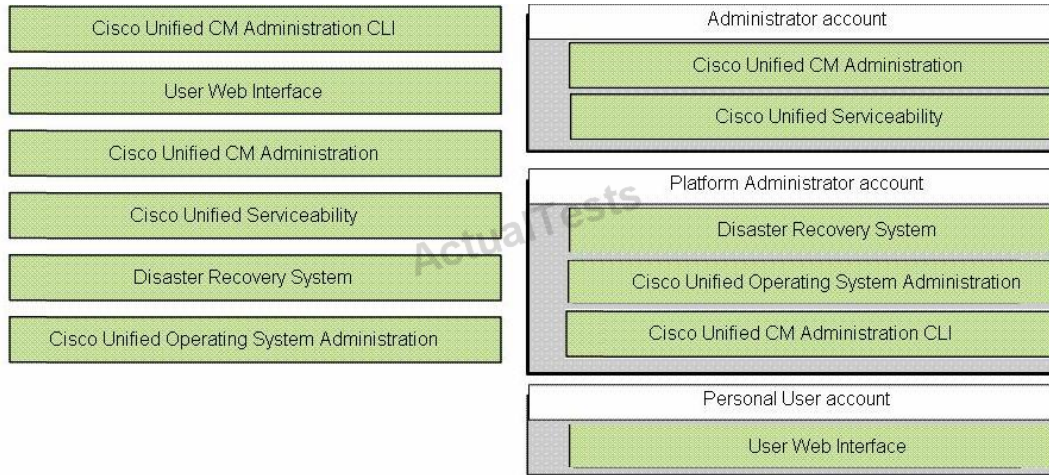
Drag and drop question. Drag the items to the proper locations.

Click and drag the type of access being controlled on the left to the account name on the right.

Answer:

Cisco Unified CM Administration CLI	Administrator account
User Web Interface	Cisco Unified CM Administration
Cisco Unified CM Administration	Cisco Unified Serviceability
Cisco Unified Serviceability	Platform Administrator account
Disaster Recovery System	Disaster Recovery System
Cisco Unified Operating System Administration	Cisco Unified Operating System Administration
	Cisco Unified CM Administration CLI
	Personal User account
	User Web Interface

Explanation:



Drag and drop question. Drag the items to the proper locations.

QUESTION NO: 7

The Show menu in which navigation window will allow you to determine the model, type of processors, and total memory in a Cisco Unified Communications Manager 6.0 server?

- A. Cisco Unified Communications Manager Administration
- B. Cisco Unified Communications Manager Serviceability
- C. Disaster Recovery System
- D. Platform Administration
- E. Cisco Unified Operating System Administration

Answer: E

Explanation:

QUESTION NO: 8

The Ajax Corporation is designing an IP telephony network using Cisco MCS 7845 Series servers, each one capable of supporting 7500 devices. The design must meet these requirements:

- (1) be cost-effective
- (2) support up to 7500 phones
- (3) provide a minimal level of redundancy

Which configuration will meet Ajax Corporation's needs?

- A.** two Cisco Unified Communications Manager servers:
 - 1 publisher and TFTP server combined
 - 1 primary subscriber
- B.** three Cisco Unified Communications Manager servers:
 - 1 publisher and TFTP server combined
 - 1 primary subscriber
 - 1 backup subscriber
- C.** four Cisco Unified Communications Manager servers:
 - 1 publisher
 - 1 TFTP server
 - 1 primary subscriber
 - 1 backup subscriber
- D.** five Cisco Unified Communications Manager servers:
 - 1 publisher
 - 1 TFTP server
 - 1 primary subscriber
 - 2 backup subscribers

Answer: B

Explanation:

QUESTION NO: 9

In a Cisco Unified Communications Manager 8.0 cluster, how is database replication accomplished for run-time data?

- A.** Replication is through a master database from publisher to all active subscribers.
- B.** Replication is a mesh from subscriber to subscriber and subscriber to publisher.
- C.** Replication is a hybrid using both a hierarchical and mesh process.
- D.** Replication is a push from subscriber to publisher.

Answer: B

Explanation: The database replicates nearly all information in a star topology (one publisher, many subscribers). However, Cisco Unified Communications Manager nodes also use a second communication method to replicate run-time data in a mesh topology (every node updates every other node). This type of communication is used for dynamic information that changes more frequently than database changes. The primary use of this replication is to communicate newly registered phones, gateways, and digital signal processor (DSP) resources, so that optimum routing of calls between members of the cluster and the associated gateways occurs.

QUESTION NO: 10

What is one of the features of deploying Cisco Unified Communications Manager servers in a 1:1 redundancy design?

- A.** When the primary servers approach 100% utilization, the backup servers can take over a portion of the load
- B.** If a single primary server fails, multiple servers can distribute the load generated by users reregistering from the failed server.
- C.** If multiple servers fail concurrently, the resulting load generated by users reregistering does not overwhelm the dedicated backup servers due to 1:1 redundancy.
- D.** Recovery happens faster when the load generated by the users from a failed server is spread over more than one backup server

Answer: C

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/8x/callpros.html#wp1151374

Reference : Cisco Unified Communications System Release 8.x SRND , page- 283.

Explanation : One to one (1:1) — For every primary call processing subscriber, there is a secondary or backup call processing subscriber.

QUESTION NO: 11

The Ajax Corporation is designing an IP telephony network using Cisco MCS 7845 Series servers, each one capable of supporting 7500 devices. The design must meet these requirements:

be cost-effective

support up to 7500 phones

provide a minimal level of redundancy

Which configuration will meet Ajax Corporation needs?

- A.** two Cisco Unified Communications Manager servers:
- 1 publisher and TFTP server combined
 - 1 primary subscriber

B. three Cisco Unified Communications Manager servers:

- 1 publisher and TFTP server combined
- 1 primary subscriber
- 1 backup subscriber

C. four Cisco Unified Communications Manager servers:

- 1 publisher
- 1 TFTP server
- 1 primary subscriber
- 1 backup subscriber

D. five Cisco Unified Communications Manager servers

- 1 publisher
- 1 TFTP server
- 1 primary subscriber
- 2 backup subscribers

Answer: B

Explanation:

QUESTION NO: 12

Which two services need to be activated on a Cisco Unified Communications Manager for it to function as the publisher in a cluster? (Choose two.)

- A.** Cisco DirSync
- B.** Cisco Extension Mobility
- C.** Cisco Messaging Interface
- D.** Cisco TFTP
- E.** Cisco CallManager
- F.** Cisco DHCP Monitor Service

Answer: A,F

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/service/8_6_1/admin/sasrvdes.html

Reference : Cisco Unified Serviceability Administration Guide Release 8.6(1), page-91.

Explanation : The Cisco Extension Mobility feature allows users to temporarily access their Cisco Unified IP Phone configuration such as line appearances, services, and speed dials from other Cisco Unified IP Phones.

QUESTION NO: 13

When a new subscriber is added to a Cisco Unified Communications Manager cluster, how must the subscriber be configured so that it can receive database updates?

- A. The subscriber uses the security password configured when the subscriber was configured. This is also configured in the publisher and validated on the initial replication of the database.
- B. The subscriber uses the subscriber security password configured in the publisher.
- C. The subscriber uses the same security password configured in the publisher when it was created.
- D. The subscriber uses the IDS security password.

Answer: C

Explanation:

QUESTION NO: 14

The Cisco Unified Communications architecture supports which three technologies? (Choose three.)

- A. Physical Security
- B. Cisco Unified Video Advantage
- C. Intelligent Building Management
- D. Contact Center
- E. Workforce Optimization
- F. Smart Grid Management

Answer: B,D,E

Explanation: Explanation : Workforce Optimization is mentioned in the student material. Page 1-5

QUESTION NO: 15

What are the three characteristics that govern the type of Cisco Unified Communications Manager deployment model? (Choose three.)

- A. number of applications
- B. size
- C. type of applications
- D. network characteristics
- E. services provided by the PSTN carrier
- F. geographical distribution

Answer: B,D,F

Explanation:

Selection of the type of deployment model is based on several factors, including the following:

- Size. Number of IP phones. Cisco Unified Communications Manager servers, and other resources, such as gateways or media resources (conference bridges, music on hold [MOH] servers, and so on)
- Geographical distribution: Number and location of sites
- Network characteristics: Bandwidth and delay of network links, and type of traffic that is carried over the network

QUESTION NO: 16

What is the maximum number of call processing servers supported in a single cluster?

- A. 5
- B. 8
- C. 10
- D. 12
- E. 20
- F. 24

Answer: B

Explanation:

In single cluster we can have 8 call processing servers.

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/8x/callpros.html#wp1151359.

QUESTION NO: 17

If an IP phone loses connectivity with its primary server and registers with its backup server, what happens when connectivity to the primary server is restored?

- A. The IP phone will try to re-establish a connection to the primary server every 90 seconds.
- B. The IP phone will continuously try to re-establish a connection with the primary server; if successful, the IP phone will re-register with the primary.
- C. Once the IP phone registers with the backup server, the administrator will need to reset the IP phone for it to re-register with the primary server.

D. Once connectivity is re-established with the primary server, the IP phone will wait until there have been three successful TCP keepalive exchanges before it will re-register with the primary server.

Answer: B

Explanation:

QUESTION NO: 18 DRAG DROP

Drag the administratively configured and user-facing parameters from the list on the left to the correct category on the right.

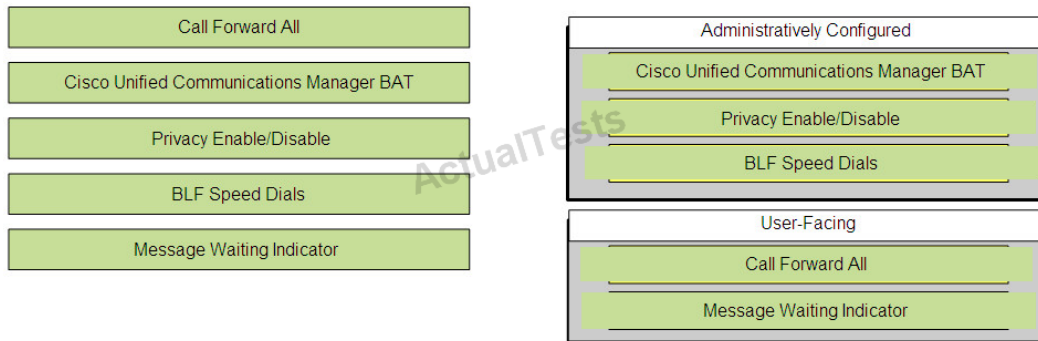
Call Forward All	Administratively Configured
Cisco Unified Communications Manager BAT	
Privacy Enable/Disable	
BLF Speed Dials	User-Facing
Message Waiting Indicator	

Answer:

Drag the administratively configured and user-facing parameters from the list on the left to the correct category on the right.

Call Forward All	Administratively Configured
Cisco Unified Communications Manager BAT	
Privacy Enable/Disable	
BLF Speed Dials	User-Facing
Message Waiting Indicator	

Explanation:



there must be 3 options for user-facing features, 2 for admin
Examples for user-facing features are the following:

- Call forward All (CFA)
- Message Waiting Indicator (MWI)
- Privacy enable/disable
- Do Not Disturb (DND) enable/disable
- Cisco Intension Mobility login
- Htint-Group login status

Topic 2, Single Site On-net Calling

QUESTION NO: 19

What happens when the TFTP server is not available?

- A. CUCM can't read phone configurations
- B. Phones can't download configuration
- C. Phones need to be restarted
- D. TFTP server needs to be restarted

Answer: B

Explanation:

QUESTION NO: 20 DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in 8.0 SIP phones and the NTP clock. Place the sources in the appropriate sequence.

Steps, Select from these	Steps, place here
Broadcast NTP server	Place first step here
Primary NTP server	Place second step, if any, here
Secondary NTP server	Place third step, if any, here
Date header in 200OK response from Cisco Unified CallManager to their REGISTER message	Place fourth step, if any, here

Answer:

Steps, Select from these	Steps, place here
Broadcast NTP server	Primary NTP server
Primary NTP server	Secondary NTP server
Secondary NTP server	Broadcast NTP server
Date header in 200OK response from Cisco Unified CallManager to their REGISTER message	Date header in 200OK response from Cisco Unified CallManager to their REGISTER message

Explanation:

Steps, Select from these	Steps, place here
	Primary NTP server
	Secondary NTP server
	Broadcast NTP server
	Date header in 200OK response from Cisco Unified CallManager to their REGISTER message

if the phone configuration contains NTP servers where A - primary NTP server and B - secondary/backup NTP server, the phone uses the broadcast packets (derives the date and time) from NTP server A. If NTP server A is not broadcasting, the phone accesses date and time information from NTP server B. If neither NTP server is broadcasting, the phone accesses date and time information from any other NTP server. If no other NTP server is broadcasting, the phone will derive the date and time from the Cisco Unified Communications Manager 200 OK response to the REGISTER message.

QUESTION NO: 21

What happens when you try to configure the fourth member of a Cisco Unified CallManager group?

- A. Cisco Unified CallManager Administration will display an error and replace the last entered member of the Cisco Unified CallManager group with the new entry.
- B. Cisco Unified CallManager Administration will display an error message when you attempt to add the fourth member.
- C. The fourth member will be added to the sequential list.
- D. The new member will replace the first member on the list.

Answer: B

Explanation:

QUESTION NO: 22

Which three Cisco Unified CallManager configuration steps are required to support third party SIP phones? (Choose three.)

- A. configure the device in Cisco Unified CallManager
- B. change the proxy address in the SIP phone to an IP address or the Fully Qualified Domain Name (FQDN) of Cisco Unified CallManager
- C. associate the device with the end user
- D. configure the phone with the TLS username and password
- E. configure the end user in Cisco Unified CallManager
- F. add the MAC address of the Cisco Unified CallManager server to the SIP phone configuration page

Answer: A,C,E

Explanation:

Perform the following steps when configuring third-party SIP endpoints:

- Configure an end user in Cisco Unified Communications Manager.
- Configure the third-party SIP phone and its directory numbers in Cisco Unified Communications Manager.
- Select the configured end user as Digest User on the third-party SIP phone configuration window.
- Configure the third-party SIP phone with the IP address of Cisco Unified Communications Manager (proxy address), end-user ID, digest credentials (optional), and directory numbers

QUESTION NO: 23

What is the relationship between a Region and a Location?

- A.** The Region codec parameter is used between a Region and its configured Locations.
- B.** The Region setting for a Location sets the number of audio and video calls that Location can support.
- C.** The codec parameter configured in the Region is only used between Regions and Location bandwidth is only used between Locations.
- D.** The Region codec parameter is combined with Location bandwidth when communicating with other Regions.

Answer: C

Explanation:

QUESTION NO: 24

How are Cisco Unified CallManager location parameters used?

- A.** Assign directory numbers to devices as they connect to the IP telephony network
- B.** Specify the bandwidth used for audio and video calls.
- C.** Implement call admission control in a centralized call processing deployment.
- D.** Provide alternate call routing when the primary call path is unavailable

Answer: C

Explanation:

QUESTION NO: 25

The abc.com Corporation is experiencing poor, choppy audio quality on voice calls placed across their WAN link to and from Madison. What can be done to the Location parameter for Madison to help alleviate this problem?

- A. Nothing, the audio bandwidth Location parameter for Madison is not related to the problem.
- B. Increase the audio bandwidth setting in the Location configuration window for Madison.
- C. Decrease the audio bandwidth setting in the Location configuration window for Madison.
- D. Remove the audio bandwidth parameter in the Location configuration window for Madison.

Answer: C

Explanation:

QUESTION NO: 26

What is the purpose of using device pools?

- A. to provide an easily modified set of system parameters for the Cisco Unified CallManager server and endpoints
- B. to provide all the IP phone parameters required for auto-registration
- C. to consolidate the dial plan for a set of IP phones in the same location
- D. to provide a convenient way to define a set of common characteristics that can be assigned to devices

Answer: D

Explanation:

device pool definition -

Device pools define sets of common characteristics for devices, the device pool structure supports the separation of user and location information. The device pool contains only device- and location-related information

QUESTION NO: 27

Which two SIP issues should be considered when deploying KPML? (Choose two.)

- A. Additional MTP resources will be required.
- B. There will be significantly more signaling traffic on the network.
- C. Additional configuration steps will be required for SIP phone dial rules.

- D. Social engineering will be required to educate users about how to dial a call with SIP.
- E. There will be additional processing demands on the Cisco Unified Communications Manager server.

Answer: B,E

Explanation:

QUESTION NO: 28

What are the minimum configuration parameters required to manually add an IP phone to Cisco Unified Communications Manager 6.0?

- A. MAC address, device pool, and phone button template
- B. MAC address, user profile, phone security profile, and phone button template
- C. MAC address, device pool, phone security profile, and phone button template
- D. MAC address, device profile, user security profile, and phone button template

Answer: C

Explanation:

QUESTION NO: 29

Which three menu choices will open a window in which you can assign softkey templates? (Choose three.)

- A. Device > Phone Configuration
- B. Device > Device Settings > Device Profile
- C. Service > Service Parameters
- D. System > Device Defaults Configuration
- E. System > Device Pool Configuration
- F. System > Enterprise Parameters

Answer: A,B,E

Explanation:

QUESTION NO: 30

When an IP phone boots up, which mechanism provides the VLAN ID?

- A. CDP
- B. DNS
- C. DHCP
- D. TFTP
- E. Option 150

Answer: A

Explanation:

If a voice VLAN ID is configured on the switch it will respond to the received Cisco Discovery Protocol message and inform the Cisco IP phone about the voice VLAN ID

QUESTION NO: 31

When a Cisco Unified Communications Manager group has its primary, secondary, and tertiary servers changed, how are those changes propagated to the IP phones registered to the group?

- A. The IP phones will automatically register with the new primary server.
- B. The IP phones will need to be reset so that a new configuration file can be downloaded from the TFTP server.
- C. The primary Cisco Unified Communications Manager server automatically pushes a new configuration file to the IP phones in the affected device pool.
- D. The device pools will need to be edited so that the new Cisco Unified Communications Manager group information is applied to the appropriate device pools.

Answer: B

Explanation:

QUESTION NO: 32

Which three characteristics are used to determine which devices go into a device pool? (Choose three.)

- A. Device type
- B. Class of service
- C. Geographic proximity
- D. Extension mobility CSS

- E. User hold MOH source
- F. auto-registration CSS

Answer: C,E,F

Explanation:

QUESTION NO: 33

Which of these is a characteristic of the Cisco Unified Communications Manager Bulk Administration Tool in Cisco Unified Communications Manager 6.0?

- A. Cisco Unified Communications Manager Auto-Register Phone Tool is part of Bulk Administration.
- B. Cisco Unified Communications Manager BAT needs to be installed from the plug-in page.
- C. Cisco Unified Communications Manager BAT pages are available from the Serviceability page.
- D. Cisco Unified Communications Manager Auto-Register Phone Tool requires a Customer Response System.

Answer: A

Explanation:

QUESTION NO: 34

Which three events describe the relationship of an IP phone to its secondary subscriber in a Cisco Unified Communications Manager system? (Choose three.)

- A. The IP Phone sends a TCP connect message.
- B. The IP Phone sends a TCP keepalive message every 30 seconds.
- C. The IP Phone sends a TCP keepalive message every 60 seconds.
- D. The IP Phone registers with the primary system when the secondary system is unavailable.
- E. The IP Phone attempts to register with the secondary system when the primary system is unavailable.
- F. The IP Phone registers with all the Cisco Unified Communications Manager subscribers in the group simultaneously, including the secondary subscriber.

Answer: A,B,E

Explanation:

QUESTION NO: 35 DRAG DROP

Click and drag the hyperlink label on the left to the information it supplies on the right when a user browses to a Cisco Unified IP Phone 7970G. Not all labels will be used.

Network Configuration	Displays information about network traffic to and from the PC port on the phone
Access	Displays information about network traffic to and from the network port on the phone
Network	Displays a log of alarms, which indicate errors or other conditions
Status Messages	
Debug Display	

Drag and drop question. Drag the items to the proper locations.

Click and drag the hyperlink label on the left to the information it supplies on the right when a user browses to a Cisco Unified IP Phone 7970G. Not all labels will be used.

Answer:

Network Configuration	Access
Access	Network
Network	Debug Display
Status Messages	
Debug Display	

Explanation:

Network Configuration	Access
Access	Network
Network	Debug Display
Status Messages	
Debug Display	

Drag and drop question. Drag the items to the proper locations.

QUESTION NO: 36

Which three steps need to be performed on a third party SIP phone device when adding it to Cisco Unified Communications Manager 6.0? (Choose three.)

- A. Select XML as the method to send the third party SIP phone its configuration file.
- B. Add the MAC address of the Cisco Unified Communications Manager server to the SIP phone configuration.
- C. Set the directory numbers to match the directory numbers configured in Cisco Unified Communications Manager.
- D. Set the digest user ID in the SIP device to match the digest user ID in Cisco Unified Communications Manager.
- E. Set the TLS user ID and password in the SIP phone to match the TLS user ID and password in Cisco Unified Communications Manager.
- F. Set the proxy address in the SIP phone to match the IP address or fully qualified domain name of Cisco Unified Communications Manager.

Answer: C,D,F

Explanation:

Third party SIP In the proxy address field of the third-party phone, specify the IP address or fully qualified domain name of Cisco Unified Communications Manager. The User Name has to be set to the directory number that is assigned to the IP phone in Cisco Unified Communications Manager. The Authorization username has to match the Digest User that was assigned to the phone.

QUESTION NO: 37 DRAG DROP

In Cisco Unified Communications Manager profiles and templates can be assigned to both device pools and IP Phones. Drag the appropriate profile and template from the left and drop it under the correct location on the right. Some options may be used more than once.



Answer:



Explanation:



The given options are valid for device pool not device profile.

QUESTION NO: 38

What are the two steps to configure NTP on a Cisco Unified Communications Manager publisher to support SCCP phones? (Choose two.)

- A.** Restart the Unified Communications Manager services for the publisher and subscribers on the Unified CallManager Serviceability page.
- B.** Configure Phone NTP References in Cisco Unified CM Administration.
- C.** Configure time in Cisco Unified OS Administration.
- D.** Configure the NTP server in Cisco Unified CM Administration.
- E.** Configure the NTP server in Cisco Unified OS Administration.

Answer: A,E

Explanation: In correct answer : BCD

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a02sycfg.html

B : CM administration : create, modify, or delete the user device profile

c : OS administration : configure and administer cisco CM platforms

d : CM administration : create, modify, or delete the user device profile

QUESTION NO: 39

If you want to change the default SCCP and SIP IP phone firmware loads a phone receives, in which location would you make this change?

- A.** Device Pool
- B.** Device Settings > Device Defaults
- C.** Device Settings > Firmware Load Information
- D.** Device Settings > Default Device Profile Configuration
- E.** Device Settings > Device Profile
- F.** Device Settings > Softkey Template

Answer: B

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a08sip.html

Explanation : firmware load only possible from Device default menu

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), page-154.

QUESTION NO: 40 DRAG DROP

Drag each description on the left to the template name on the right that it describes.

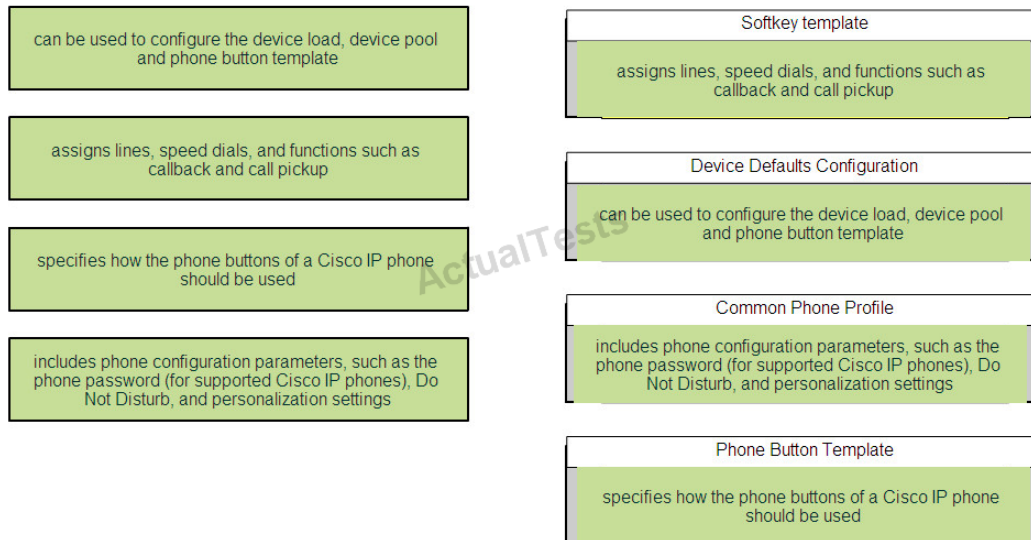
can be used to configure the device load, device pool and phone button template	Softkey template
assigns lines, speed dials, and functions such as callback and call pickup	Device Defaults Configuration
specifies how the phone buttons of a Cisco IP phone should be used	Common Phone Profile
includes phone configuration parameters, such as the phone password (for supported Cisco IP phones), Do Not Disturb, and personalization settings	Phone Button Template

Answer:

Drag each description on the left to the template name on the right that it describes.

can be used to configure the device load, device pool and phone button template	Softkey template
assigns lines, speed dials, and functions such as callback and call pickup	Device Defaults Configuration
specifies how the phone buttons of a Cisco IP phone should be used	Common Phone Profile
includes phone configuration parameters, such as the phone password (for supported Cisco IP phones), Do Not Disturb, and personalization settings	Phone Button Template

Explanation:

**QUESTION NO: 41**

Which of these determines the Cisco Unified Communications Manager server to which an IP phone registers?

- A.** The Cisco Unified Communications Manager group is configured in the publisher to designate the primary, secondary, and tertiary servers in the group.
- B.** Each IP phone is configured with a Cisco Unified Communications Manager group that determines which server the IP phone will use as its primary, secondary, and tertiary server.
- C.** Each IP phone is configured with its primary, secondary, and tertiary server.
- D.** The Cisco Unified Communications Manager group is configured in the publisher to designate the IP phone groups that will register with the primary, secondary, and tertiary servers in the group.

Answer: B

Explanation:

Link :

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmcfg/b02cmgrp.html#wpwref55167

QUESTION NO: 42

What is required to configure NTP on a Cisco Unified Communications Manager publisher to

support SIP phones?

- A.** Configure Phone NTP References in Cisco Unified CM Administration.
- B.** Configure the NTP server in Cisco Unified OS Administration
- C.** Configure the NTP server in Cisco Unified CM Administration.
- D.** Configure time in Cisco Unified OS Administration.
- E.** Restart the Unified Communications Manager services for the publisher and subscribers on the Unified CallManager Serviceability page

Answer: A

Explanation:

Link :

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a08sip.html#wp1165318

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), page -485

Explanation : Unified CM & OS administration is not used to configure NTP

QUESTION NO: 43

When A CSV file is created for use with the Cisco Unified Communications Manager Auto-Register Phone Tool, how is the IP phone MAC address configured?

- A.** A dummy MAC address is entered for each phone in the CSV file.
- B.** The MAC address is left blank in the CSV file and Cisco Unified Communications Manager BAT imports the CSV file with the Create Dummy MAC Address option selected.
- C.** When the CSV file is created, the Create Dummy MAC Address option must be selected before the file is uploaded into the Cisco Unified Communications Manager BAT tool.
- D.** The MAC address is left blank in the CSV file and Cisco Unified Communications Manager BAT queries the Cisco Unified Communications Manager device database for the MAC address that matches the extension created in the CSV file.

Answer: B

Explanation:

Topic 3, Media Resources

QUESTION NO: 44

Which resources can include MRGL?

- A. MoH
- B. Cisco IP Phone service
- C. soft key template
- D. Annunciator
- E. MTP
- F. Something about CTI

Answer: A,D,E

Explanation:

QUESTION NO: 45

IP Voice Media Stream Application service should be enabled on which server?

- A. Must enabled on dedicated server
- B. Only on one node
- C. Enable on gatekeeper
- D. Enable on the server which TFTP also need to be enable

Answer: D

Explanation:

When more than one MOH server is active in the network, make sure that all the configured MOH files are available for all MOH servers. You might need to copy the files manually to the root directories of all the TFTP servers.

QUESTION NO: 46

Which statement regarding Cisco IP voice media streaming application is correct?

- A. It should be activated on the gateway in cluster that supports the TFTP service
- B. It should be activated on the gatekeeper in cluster that supports the TFTP service
- C. It should be activated on the node in cluster that does not support the TFTP service
- D. It should be activated on the node in cluster that supports the TFTP service

Answer: D

Explanation:

When more than one MOH server is active in the network, make sure that all the configured MOH files are available for all MOH servers. You might need to copy the files manually to the root directories of all the TFTP servers.

QUESTION NO: 47

Which four software based media resources require that the Cisco IP voice media stream Application be activated?

- A. MOH
- B. SIP
- C. H.323 Gateways
- D. Annunciator
- E. Gatekeeper
- F. MTP
- G. Audio conferencing

Answer: A,D,F,G

Explanation:

Cisco IP Voice Media Streaming Application dependent media resources

You can start the Cisco IP Voice Media Streaming Application to activate the following media resources:

- Audio conference bridge
- MIP
- Annunciator MOH

The following media resources are available only in hardware:

- Transcoder
- Voice termination

QUESTION NO: 48 DRAG DROP

You work as a network administrator at Abc.com. Your boss, Miss ABC, is interested in MoH server parameters. You are required to match the parameters with the appropriate descriptions.

Options, select from these

MoH Enabled

Fixed Audio Source Device

Run Flag

Maximum Half Duplex Streams

Enable Base Multicast

Maximum Multicast Connections

Definitions

Determines the number of the devices that can be a source of multicast music

Enables the number of the devices that can be a source of multicast music

When set to NO, MoH is not provided, when set to YES MoH is enabled

In conjunction with a sound card, allows you to use a live radio broadcast for MoH

Options, place here

Place here

Place here

Place here

Place here

Answer:

Options, select from these

MoH Enabled

Fixed Audio Source Device

Run Flag

Maximum Half Duplex Streams

Enable Base Multicast

Maximum Multicast Connections

Definitions

Determines the number of the devices that can be a source of multicast music

Enables the number of the devices that can be a source of multicast music

When set to NO, MoH is not provided, when set to YES MoH is enabled

In conjunction with a sound card, allows you to use a live radio broadcast for MoH

Options, place here

Maximum Half Duplex Streams

Maximum Multicast Connections

Run Flag

Fixed Audio Source Device

Explanation:

Options, select from these

MoH Enabled	Fixed Audio Source Device
Run Flag	Maximum Half Duplex Streams
Enable Base Multicast	Maximum Multicast Connections

Definitions

Determines the number of the devices that can be a source of multicast music
Enables the number of the devices that can be a source of multicast music
When set to NO, MoH is not provided, when set to YES MoH is enabled
In conjunction with a sound card, allows you to use a live radio broadcast for MoH

Options, place here

Maximum Half Duplex Streams
Maximum Multicast Connections
Run Flag
Fixed Audio Source Device

CUCM documentation says:

Maximum Half Duplex Streams

Enter a number in this required field for the maximum number of unicast music on hold streams that this music on hold server supports. This value determines the maximum number of devices that can be on unicast music on hold that is streamed from this music on hold server at any given time. Valid values range from 0 to 500.

Maximum Multicast Connections

Enter a number in this required field for the maximum number of multicast music on hold streams that this music on hold server supports. This value determines the maximum number of devices that can be on multicast music on hold that is streamed from this music on hold server at any given time. Valid values range from 1 to 999999.

QUESTION NO: 49

A dial plan uses six-digit numbers, in which the first two digits are a site code and the last four digits are an extension. Access codes must begin with a 7 or 8 and the second digit must be a 0, 1, 5, or 9. Calls within a site are placed using just the four digit extensions. Which two route patterns will support this dial-plan requirement? (Choose two.)

- A. [^78][^234678].XXXX
- B. [7-8][^0159].XXXX
- C. [78][0159].XXXX
- D. [^0-69][^2-4678].XXXX
- E. [^0-6,9][2-4,6-8].XXXX
- F. [7-8][234678].XXXX

Answer: C,D

Explanation:

QUESTION NO: 50 DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in Cisco Unified CallManager media resource selection rules. Match the proper rule term with appropriate priority.

Options, select from these

Attempt to use the resource in the default group	if the resource has not been found, configure it in an existing group.
Search each media resource group, sequentially, in the media resource group list.	Search the default media resource group.
Search the first media resource group in a media resource group list.	

Definitions

Priority 1	Place here
Priority 2	Place here
Priority 3	Place here

Options, place here

Answer:

Options, select from these

Attempt to use the resource in the default group

Search each media resource group, sequentially, in the media resource group list.

Search the first media resource group in a media resource group list.

If the resource has not been found, configure it in an existing group.

Search the default media resource group.

Definitions

Priority 1

Priority 2

Priority 3

Options, place here

Search the first media resource group in a media resource group list.

Search each media resource group, sequentially, in the media resource group list.

Attempt to use the resource in the default group

Explanation:**Options, select from these**

Attempt to use the resource in the default group

Search each media resource group, sequentially, in the media resource group list.

Search the first media resource group in a media resource group list.

If the resource has not been found, configure it in an existing group.

Search the default media resource group.

Definitions

Priority 1

Priority 2

Priority 3

Options, place here

Search the first media resource group in a media resource group list.

Search each media resource group, sequentially, in the media resource group list.

Attempt to use the resource in the default group

QUESTION NO: 51 DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in toll fraud. Match the proper toll fraud type with appropriate solution.

Options, select from these

Employees placing unauthorized long distance calls

External to external calls

External to external calls through an internal facilitator

Using Call Forward All to send calls to a vacation home

Solution

Apply appropriate calling search spaces and partitions

Classify route patterns as on-net or off-net

Drop ad hoc conference calls

Implement FAC

Options, place here

Place here

Place here

Place here

Place here

Answer:**Options, select from these**

Employees placing unauthorized long distance calls

External to external calls

External to external calls through an internal facilitator

Using Call Forward All to send calls to a vacation home

Solution

Apply appropriate calling search spaces and partitions

Classify route patterns as on-net or off-net

Drop ad hoc conference calls

Implement FAC

Options, place here

Using Call Forward All to send calls to a vacation home

External to external calls

External to external calls through an internal facilitator

Employees placing unauthorized long distance calls

Explanation:

Options, select from these

Employees placing unauthorized long distance calls

External to external calls

External to external calls through an internal facilitator

Using Call Forward All to send calls to a vacation home

Solution

Apply appropriate calling search spaces and partitions

Classify route patterns as on-net or off-net

Drop ad hoc conference calls

Implement FAC

Options, place here

Using Call Forward All to send calls to a vacation home

External to external calls

External to external calls through an internal facilitator

Employees placing unauthorized long distance calls

QUESTION NO: 52

Which two Cisco Unified CallManager tasks are required to route calls from Cisco Unified CallManager to the PSTN via an H.323 gateway? (Choose two.)

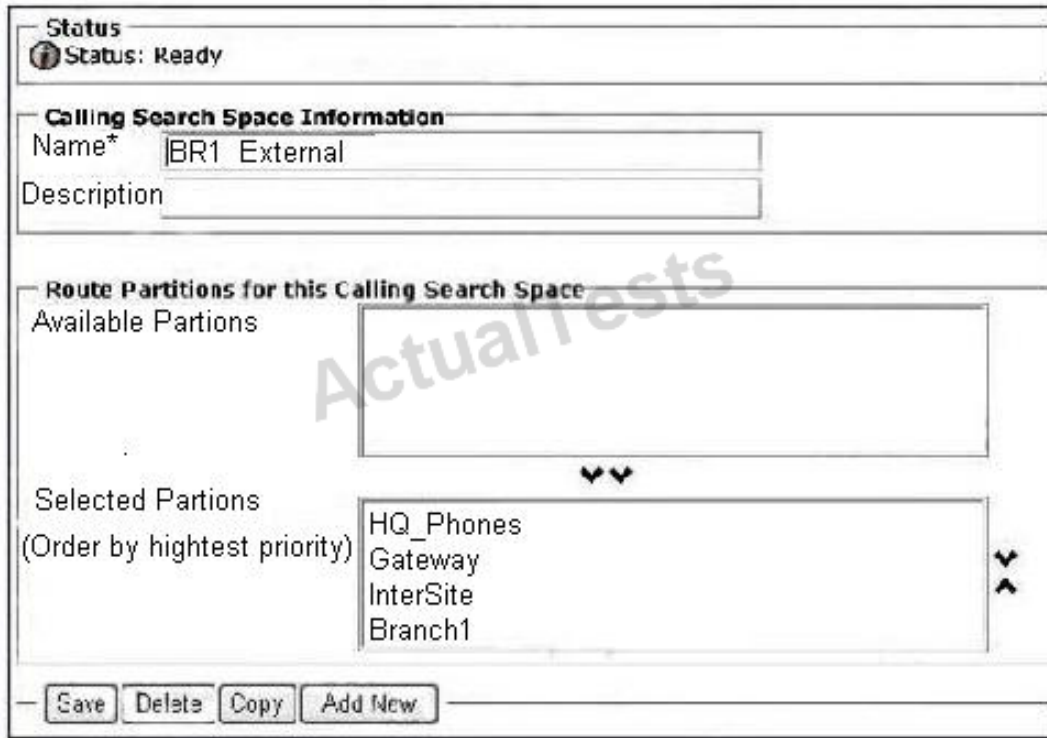
- A. configure the IP phones with an external phone number mask
- B. add PSTN route patterns pointing to the gateway
- C. add a gatekeeper from the Device menu
- D. configure the signaling protocol used on the voice circuit
- E. configure the voice endpoints in Cisco Unified CallManager
- F. add an H.323 gateway from the Device menu

Answer: B,F

Explanation:

QUESTION NO: 53

Please study the exhibit carefully. Abc.com uses 4-digit extensions. To call between sites, they dial the intersite access code '8' followed by the 3-digit site code and 4-digit extension of the phone they are trying to reach. Phone_A is in Partition Branch1 with a CSS named BR1_External. If a user dials 85014532 from Phone_A, which element of the route plan will be matched? Exhibit:



The image shows a Cisco Call Manager configuration page for a Calling Search Space. The status is 'Ready'. The name is 'BR1 External'. The description is empty. Under 'Route Partitions for this Calling Search Space', there are two lists: 'Available Partitions' (empty) and 'Selected Partitions (Order by highest priority)'. The selected partitions are 'HQ_Phones', 'Gateway', 'InterSite', and 'Branch1'. The 'Gateway' partition is highlighted. At the bottom are buttons for 'Save', 'Delete', 'Copy', and 'Add New'.

Status
Status: Ready

Calling Search Space Information
Name* BR1 External
Description

Route Partitions for this Calling Search Space
Available Partitions

Selected Partitions
(Order by highest priority)

- HQ_Phones
- Gateway
- InterSite
- Branch1

Save Delete Copy Add New

- A. Route Pattern 8501! in the partition gateway
- B. the phone with extension 4532 in Partition Branch1
- C. the phone with extension 4532 among the partition phones
- D. Translation Pattern 85XX in the partition intersite
- E. Route Pattern 8501.XXXX# in the partition gateway
- F. Route Pattern 8501.XXXX in the partition gateway

Answer: D

Explanation:

QUESTION NO: 54

Please study the exhibit carefully. What will this translation pattern configuration accomplish?
Exhibit:

Status
 Status: Ready

Pattern Definition
 Translation Pattern: 2XXX
 Partition: Branch1
 Description:
 Numbering Plan: <None>
 Route Filter: <None>
 MLPP Precedence*: Default
 Calling Search Space: Gateway
 Route Option:
☒ Route this pattern
☐ Block this pattern: No Error
☐ Provide Outside Dial Tone: Urgent Priority

Calling Party Transformations
☐ Use Calling Party's External Phone Number Mask
 Calling Party Transform Mask:
 Prefix Digits (Outgoing Calls):
 Calling Line ID Presentation*: Restricted
 Calling Name Presentation*: Restricted

Connected Party Transformations
 Connected Line ID Presentation*: Restricted
 Connected Name Presentation*: Restricted

Called Party Transformations
 Discard Digits: <None>

- A. allow the display of the calling number
- B. block the display of the calling number
- C. honor the presentation display of the caller
- D. it will not change the calling line ID presentation

Answer: B

Explanation:

QUESTION NO: 55 DRAG DROP

You work as a network technician at Abc.com. Your boss, miss ABC, is interested MoH parameters.

Match the proper paramter with appropriate description.

Options, select from these

Enable Base Multicast

Fixed Audio Source Device

MoH Enabled

Maximum Half Duplex Streams

Maximum Multicast Connections

Run Flag

Definitions

Determines the number of devices to which a server can provide a unicast audio stream

Enables the number of devices that can be a source of multicast music

In conjunction with a sound card, allows you to use a live radio broadcast for MoH

When set to 'NO' MoH is not provided, when set to 'YES' MoH is enabled

Options, place here

Place here

Place here

Place here

Place here

Answer:

Options, select from these

Enable Base Multicast

Fixed Audio Source Device

MoH Enabled

Maximum Half Duplex Streams

Maximum Multicast Connections

Run Flag

Definitions

Determines the number of devices to which a server can provide a unicast audio stream

Enables the number of devices that can be a source of multicast music

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When set to 'NO' MoH is not provided, when set to 'YES' MoH is enabled

Options, place here

Maximum Half Duplex Streams

Maximum Multicast Connections

Fixed Audio Source Device

Run Flag

Explanation:

Options, select from these

Enable Base Multicast

Fixed Audio Source Device

MoH Enabled

Maximum Half Duplex Streams

Maximum Multicast Connections

Run Flag

Definitions

Determines the number of devices to which a server can provide a unicast audio stream

Enables the number of devices that can be a source of multicast music

In conjunction with a sound card, allows you to use a live radio broadcast for MoH

When set to 'NO' MoH is not provided, when set to 'YES' MoH is enabled

Options, place here

Maximum Half Duplex Streams

Maximum Multicast Connections

Fixed Audio Source Device

Run Flag

CUCM documentation says:

Maximum Half Duplex Streams

Enter a number in this required field for the maximum number of unicast music on hold streams that this music on hold server supports. This value determines the maximum number of devices that can be on unicast music on hold that is streamed from this music on hold server at any given time. Valid values range from 0 to 500.

Maximum Multicast Connections

Enter a number in this required field for the maximum number of multicast music on hold streams that this music on hold server supports. This value determines the maximum number of devices that can be on multicast music on hold that is streamed from this music on hold server at any given time. Valid values range from 1 to 999999.

QUESTION NO: 56

Which tool would be useful for analyzing changes or additions to an existing dial plan?

- A. DRS
- B. car
- C. QRT

D. dna

Answer: D

Explanation:

QUESTION NO: 57

The abc.com Lumber Company would like to use AAR to reroute calls made from HQ to remote locations when those calls are rejected by the IP WAN because of insufficient bandwidth. The abc.com Lumber Company uses 5-digit dialing to all locations.

abc.com Headquarters has a DID range from 770-555-0001 to 770-557-0500 and the Macon facility has a DID range from 912-556-0500 to 912-556-0550. How should the external phone masks be configured?

A. 770557XXXX

B. 9125560XXX

C. 770555XXXX

D. 77055XXXXX

Answer: D

Explanation:

QUESTION NO: 58

The abc.com Lumber Company uses a centralized call processing model to connect their saw mills in Albany and Columbus. Each mill is configured as a separate Location in Cisco Unified CallManager at HQ. Each Location has been configured with 256 Kbps of voice bandwidth. How many G.729 calls can be placed between Locations simultaneously?

A. 8

B. 10

C. 5

D. 23

Answer: B

Explanation:

QUESTION NO: 59

You are the network administrator. What is the correct order to implement call coverage?

(I) directory numbers
(II) line groups
(III) hunt lists
(IV) configure partitions
(V) hunt pilot

- A. (I) (II) (III) (V) (IV)
- B. (IV) (I) (II) (III) (V)
- C. (V) (IV) (I) (II) (III)
- D. (IV) (I) (II) (V) (III)

Answer: B

Explanation:

QUESTION NO: 60

Which of these best describes the function of transformations?

- A. allow the call-routing component to modify the calling or called number
- B. identify and define the tags and operatives used in route filters
- C. configure and revise discard digits
- D. redirect calls

Answer: A

Explanation:

QUESTION NO: 61

Which three can be assigned a partition? (Choose three.)

- A. directory number
- B. IP phone

- C. gateway
- D. route pattern
- E. translation pattern
- F. gatekeeper

Answer: A,D,E

Explanation:

QUESTION NO: 62

Which of these two route patterns will be matched if 99118855 is dialed with en bloc dialing enabled?

9.911 Urgent Priority Enabled

9.[2-9]XXXXXX

- A. 9.911 will always be matched because it is tagged as Urgent Priority.
- B. 9.[2-9]XXXXXX will be matched first because en bloc dialing is being used. The Urgent Priority tag will be ignored in this case.
- C. There will be a tie between the two route patterns, and a random selection will be made.
- D. The 9.911 pattern will be dialed first and if the call is not successful, then the other potential match will be attempted.
- E. Cisco Unified Communications Manager will not be able to determine which pattern to match. For this reason, it will generate an annunciator message that the call cannot be completed as dialed.

Answer: B

Explanation:

QUESTION NO: 63

Which statement best describes Urgent Priority operations in relation to call routing in Cisco Unified Communications Manager?

- A. An Urgent Priority operation is initiated whenever an IP phone user presses the # key for immediate dialing.
- B. An Urgent Priority operation can be configured on a route pattern to force immediate routing when a first match is detected, even if there are longer route patterns that are also potential matches.
- C. Urgent Priority operations are automatically performed in translation patterns and emergency

route patterns in order to force immediate routing when a first match is detected, even if there are longer route patterns that are also potential matches.

D. Urgent Priority operations cannot be used for VoIP route patterns; they are only applicable to PSTN route patterns.

Answer: B

Explanation:

The Urgent Priority check box is often used to force immediate routing of certain calls as soon as a match is detected, without waiting for the T302 timer to expire when additional longer potential matches exist.

QUESTION NO: 64

A user's phone Call Forward No Answer setting has been configured to forward to a hunt pilot. If all call hunting options have been exhausted and the Forward Hunt No Answer feature has been configured to use Personal Preference settings, to which of these will calls to this phone be forwarded?

- A.** the default destination configured under Service Parameters
- B.** any destination configured under the user's DN Personal Settings configuration
- C.** the destination specified under the user's Call Forward No Coverage settings
- D.** voice mail
- E.** no other destination; each call will continue to ring until the caller hangs up

Answer: C

Explanation:

you can implement the personal preferences option. To do so, configure a user phone so that the Forward No Answer field redirects the call to a hunt pilot, which searches for someone else to answer the call. If call hunting fails because all the hunting options are exhausted or because a timeout period expires, the call can be sent to a personalized destination for the person who was originally called. For example, if you set the Forward No Coverage field in the Directory Number Configuration page to a voice-mail number, the call will be sent to the voice mailbox of that person if hunting fails.

QUESTION NO: 65

What is the correct procedure for implementing call coverage?

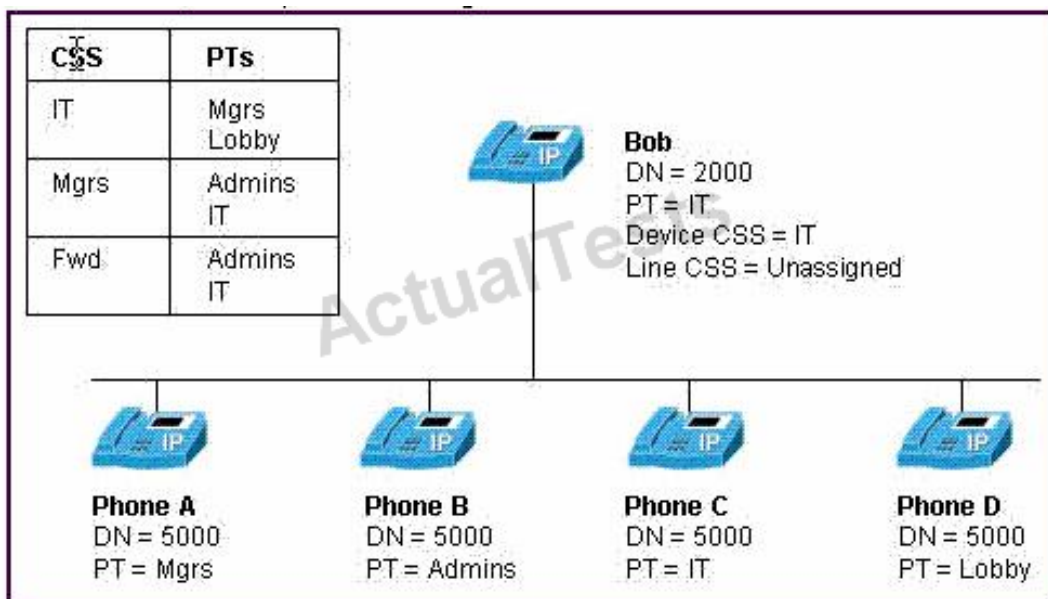
- A. configure directory numbers, partitions, hunt pilot, hunt list, line groups
- B. configure partitions, line groups, hunt lists, hunt pilot, directory numbers
- C. configure partitions, directory numbers, line groups, hunt lists, hunt pilot
- D. configure partitions, directory numbers, hunt pilot, hunt list, line groups

Answer: C

Explanation:

QUESTION NO: 66

Refer to the exhibit. When Bob dials extension 5000, which phone will ring?



- A. Phone A
- B. Phone B
- C. Phone C
- D. Phone D

Answer: A

Explanation:

QUESTION NO: 67

An IP phone user has dialed "15152421234". Which route pattern will be used?

- A. 1515[^0-1]4[123]+

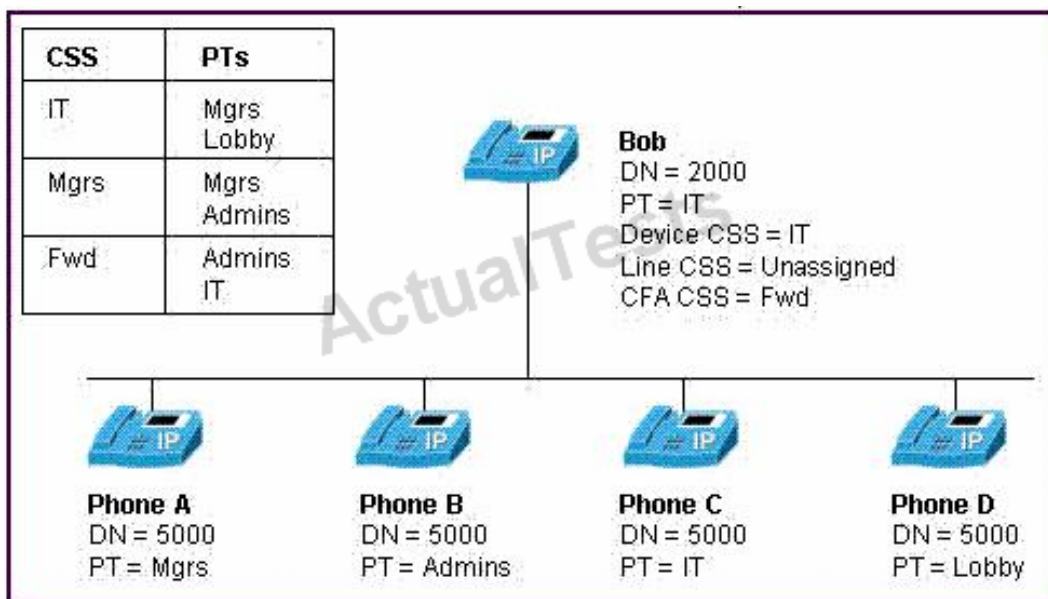
- B. 1515[^0-2]4[01234]
- C. 1515[^0-1]42[1234]
- D. 1515[^0-1]421[1-4]+

Answer: D

Explanation:

QUESTION NO: 68

Refer to the exhibit. Bob has set his phone to forward calls to extension 5000. When a call is placed to extension 2000, which phone will ring?



- A. Phone A
- B. Phone B
- C. Phone C
- D. Phone D

Answer: B

Explanation:

QUESTION NO: 69

Refer to the exhibit. What is the IP address of the backup Cisco Unified Communications Manager system?

```
ccm-manager fallback-mgcp
ccm-manager mgcp
ccm-manager music-on-hold
ccm-manager config server 10.1.5.2
!
mgcp
mgcp call-agent 10.1.5.3 2427 service-type mgcp version 0.1
mgcp dtmf-relay voip codec all mode out-of-band
mgcp rtp unreachable timeout 1000 action notify
mgcp modem passthrough voip mode nse
mgcp package-capability rtp-package
mgcp package-capability sst-package
no mgcp package-capability fxr-package
mgcp package-capability pre-package
no mgcp timer receive-rtcp
mgcp sdp simple
mgcp rtp payload-type g726r16 static
```

- A. 10.1.5.3
- B. 10.1.5.2
- C. There is no backup configured; the command ccm-manager redundant-host is required
- D. The command ccm-manager fallback-mgcp provides the Cisco Unified Communications Manager backup, which is derived from the Cisco Unified Communications Manager group

Answer: C

Explanation:

GWGK: Implementing MGCP Gateways

QUESTION NO: 70

Which two can be targets of a route pattern? (Choose two.)

- A. gateway
- B. gatekeeper
- C. route group
- D. route list
- E. translation pattern

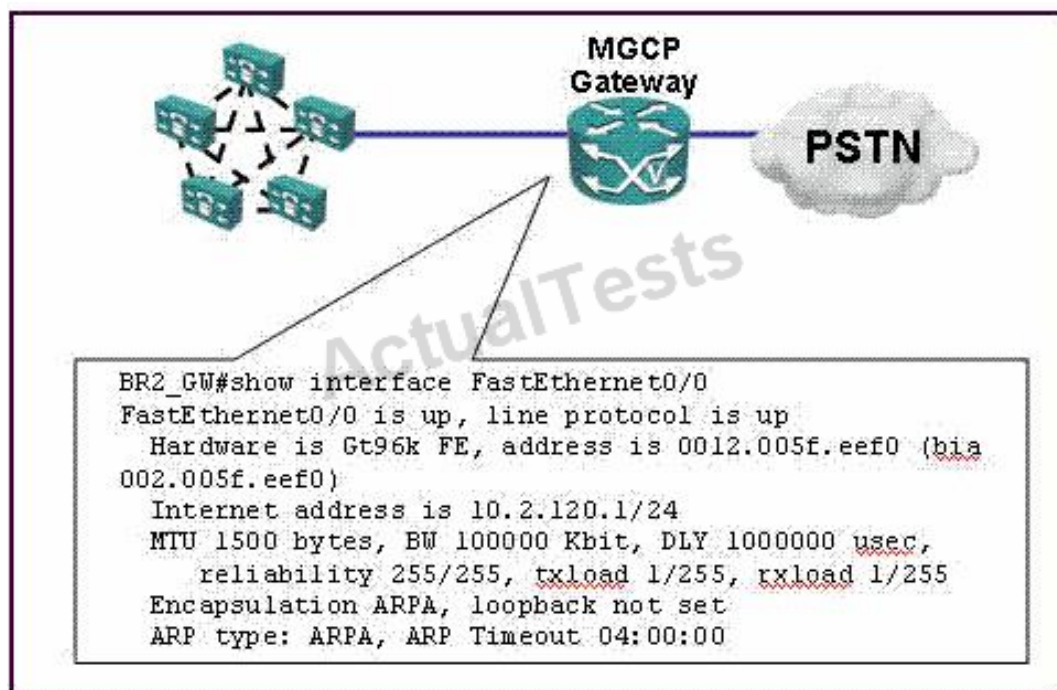
F. CTI Port

Answer: A,D

Explanation:

QUESTION NO: 71

Refer to the exhibit. What should be entered in the Name field when configuring Cisco Unified Communications Manager to control voice port T1 1/0/0 in BR2 GW?



A. S0/DS1-0@BR2_GW

B. BR2_GW

C. 10.2.120.1

D. S0/DS1@SDA0012005FEEF0

Answer: B

Explanation:

QUESTION NO: 72

What is the process of digit matching?

- A.** Cisco Unified Communications Manager first performs a digit-by-digit analysis, looking for patterns that match the internal directory numbers. If no match is found, the dialed string is matched against the route patterns.
- B.** Cisco Unified Communications Manager collects all digits and compares them en bloc for patterns that match the internal directory numbers. If no match is found, the dialed string is matched against the route patterns.
- C.** Cisco Unified Communications Manager performs a digit-by-digit analysis, looking for patterns that match the internal directory numbers and ones that match the route patterns simultaneously.
- D.** Cisco Unified Communications Manager collects all digits and compares them en bloc for patterns that match the internal directory numbers and ones that match the route patterns simultaneously.

Answer: C

Explanation:

QUESTION NO: 73

Refer to the exhibit. What CSS should be assigned to a phone in the Phones partition to block calls to international numbers while allowing all other calls?

Partition = Phones	CSS A
Partition = Service_Numbers	Phones
Route Pattern X11	International
Partition = Local_PSTN	CSS B
Route Pattern X11	LongDistance_PSTN
Route Pattern 9.@	CSS C
Partition = LongDistance_PSTN	Phones
Route Pattern X11	LongDistance_PSTN
Route Pattern 9.[2-9]XXXXXX	CSS D
Route Pattern 9.1[2-9]XX[2-9]XXXXX	Phones
Partition = International	Service_Numbers
Route Pattern 9.011!	Local_PSTN
	LongDistance_PSTN

- A.** CSS A
- B.** CSS B
- C.** CSS C
- D.** CSS D

Answer: C

Explanation:

QUESTION NO: 74

If a SIP phone has neither KPML nor a set of dial rules configured, how are digits sent to Cisco Unified Communications Manager for further processing?

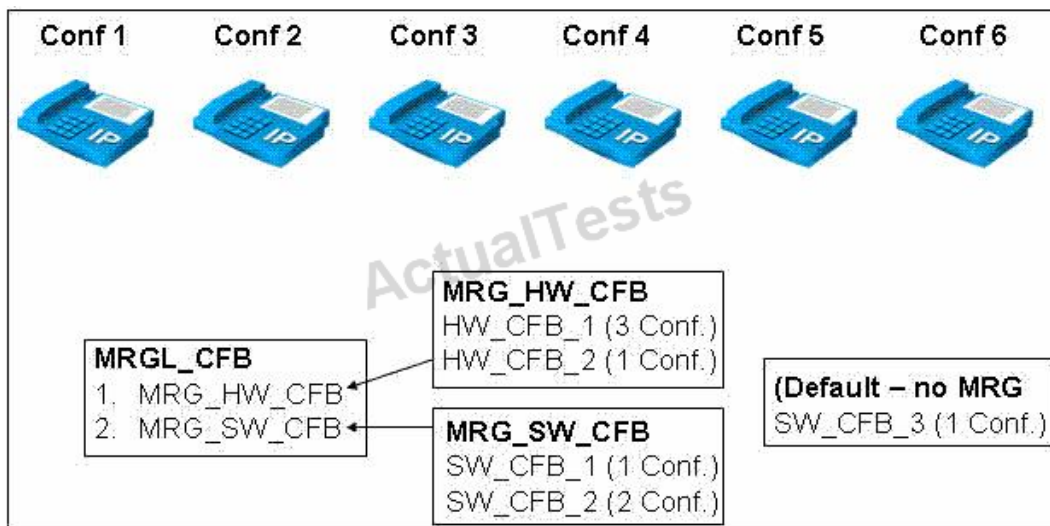
- A. the user must press the # key
- B. the user must press the Dial softkey
- C. the user must press the enbloc softkey
- D. when the user finishes dialing, the digits will be sent automatically

Answer: B

Explanation:

QUESTION NO: 75

Refer to the exhibit.



You have six IP phones configured to use MRGL_CFB. Each phone is making a conference call. Which conference resource does the sixth conference use?

- A. HW_CFB_1
- B. HW_CFB_2
- C. SW_CFB_1
- D. SW_CFB_2
- E. SW_CFB_3

Answer: D

Explanation:

QUESTION NO: 76

In reference to translation patterns, which three statements are correct? (Choose three.)

- A.** Translation patterns can be used to change the CSS applied to a call.
- B.** Translation patterns can be used to modify the redirecting number.
- C.** Translation patterns can be used to modify the calling number.
- D.** After matching a translation pattern and performing digit transformations, the call is sent to the original called number.
- E.** Translation patterns cannot contain wildcards.
- F.** Translation patterns are always considered urgent priority.

Answer: A,C,F

Explanation:

QUESTION NO: 77

Refer to the exhibit. A call is placed from DN 5000 to DN 6999. The CSS for the call includes only the Branch 1 partition. After the translation pattern is applied, what are the called and calling numbers?

Calling Search Space	Gateway
Route Option	☒ Route this pattern ☐ Block this pattern
	No Error
☒ Provide Outside Dial Tone	☒ Urgent Priority

Calling Party Transformations	
☐ Use Calling Party's External Phone Number Mask	
Calling Party Transform Mask	919555XXXX
Prefix Digits (Outgoing Calls)	1
Calling Line ID Presentation*	Default
Calling Name Presentation*	Default

Connected Party Transformations	
Connected Line ID Presentation*	Default
Connected Name Presentation*	Default

Called Party Transformations	
Discard Digits	< None >
Called Party Transform Mask	555XXXX
Prefix Digits (Outgoing Calls)	1408

- A. 6999, 5000
- B. 14085556999, 5000
- C. 6999, 19195555000
- D. 5556999, 9195555000
- E. 14085556999, 19195555000

Answer: E

Explanation:

QUESTION NO: 78

What is the minimum number of partitions that must be defined given the dial-plan rules listed below?

All employees can call local and service numbers.

Managers can call long-distance and international numbers.

Executives can call all PSTN numbers including premium numbers.

Only administrative assistants can call executives.

Incoming calls can only be routed to phones, not to trunks.

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7
- F. 8

Answer: C

Explanation:

QUESTION NO: 79

Which two gateway configuration statements are required in order to enable Cisco Unified Communications Manager to control a T1 PRI in an MGCP gateway?

(Choose two.)

- A. mgcp
- B. ccm-manager config
- C. pri-group configuration on the controller
- D. mgcp call-agent pointing to tftp server
- E. isdn 13-backhaul ccm-manager on the serial interface
- F. ccm-manager config server {TFTP ip_address}

Answer: B,F

Explanation:

QUESTION NO: 80

Refer to the exhibit.

Incoming Calling Party Settings

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unless the field is empty in which case there is no prefix assigned.

Number Type	Prefix	Strip Digits	Calling Search Space	Use Device Pool CSS
National Number		0	< None >	☐
International Number	+	2	Trans_CLID_CSS	☐
Unknown Number		0	< None >	☐
Subscriber Number	+1408	0	Trans_CLID_CSS	☒

Trans_CLID_CSS – Match pattern: \+4922.!
DDI: Pre Dot – Prefix +4912

Device Pool CSS - Default

What is the output displayed on the IP phone when the incoming calling number is 5550100 with number type=subscriber?

- A. 5550100
- B. +15550100
- C. 14085550100
- D. +14085550100
- E. +49125550100

Answer: D

Explanation:

QUESTION NO: 81

Refer to the Exhibit.

911
9.911
9.[2-9]XXXXXX
9.1[2-9]XX[2-9]XXXXXX
9.1800XXXXXXX
9.1866XXXXXXX
9.1877XXXXXXX
9.1888XXXXXXX
9.1900XXXXXXX
9011!
9011.!#

To reach an external number, a user first dials a 9. Which route pattern will be matched if a user dials the toll-free number 18005550123?

- A. 911
- B. 9.[2-9]XXXXXX
- C. 9.1[2-9]XX[2-9]XXXXXX
- D. 9.1800XXXXXXX
- E. 9.1866XXXXXXX
- F. 9.11877XXXXXXX
- G. 9.1888XXXXXXX
- H. 9.1900XXXXXXX
- I. 9011!

Answer: D

Explanation:

Explanation : only D included with correct toll free number 1800XXXXXXX

QUESTION NO: 82

The CSS on a line includes the partitions 911, internal and local. The CSS on the device includes the partitions 911, internal, local and long distance. Which CSS will be used if the phone user dials a local number?

- A. The device CSS will be used since the device CSS is always used first on an IP phone.
- B. Since the dialed digits are match to partition is in both Calling Search Spaces the call will use both matched partitions in both calling Search Spaces in a round robin format.
- C. If there is both a line and device CSS the line device will only be used.
- D. The line and device CSSs will be combined and the device CSS will take precedence.
- E. The line and device CSSs will be combined and the line CSS will take precedence.

Answer: E

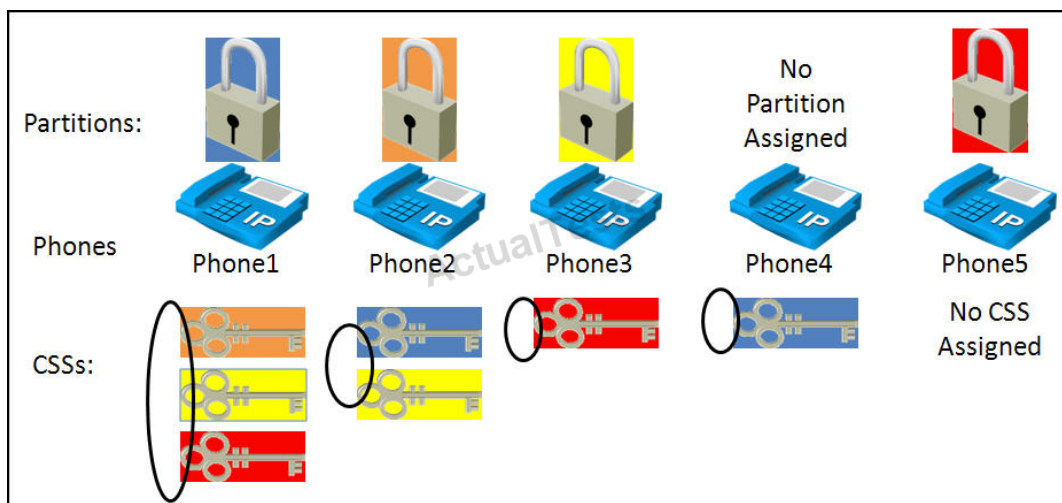
Explanation:

Explanation : the Line CSS configured on the directory number associated with the user's device Profile

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/8x/cmapps.html

QUESTION NO: 83

Refer to the Exhibit.



Which other phone can Phone 5 reach?

- A. Phone 2
- B. Phone 3
- C. Phone 4

- D. Phone 5
- E. Phone 1

Answer: C

Explanation:

Explanation : phone 4 has no partition

QUESTION NO: 84

Which groups will have access to the Meet-Me conference numbers that are set to use the <None> partition?

- A. Only users that have the <None> partition assigned in their calling search space will have access to the Meet-Me conference numbers.
- B. All users will have access to the Meet-Me conference numbers.
- C. The <None> partition will prevent all users from accessing the Meet-Me conference numbers.
- D. Any IP phones with their lines configured in the <None> partition will have access to the Meet-Me conference numbers.

Answer: B

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmcfg/b03meet.html

Reference : Cisco Unified Communications Manager Administration Guide Release 8.6(1), page-314

Explanation : <none> partion is used to allow all users

QUESTION NO: 85

A route group is made up of which components?

- A. An ordered list of route lists
- B. A set of route patterns with the same reach ability
- C. A set of gateways and trunks with identical digit-manipulation requirements
- D. A set of gateways or trunks with different digit-manipulation requirements

Answer: C

Explanation: Link :

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmcfg/b03rtgrp.html

Reference : Cisco Cisco Unified Communications Manager Administration Guide Release 8.6(1).

Page-199

Explanation :

- A. Route list contains one or more route groups
- B. Route pattern place call to PSTN or PBX
- D.A route group can work with both gateway and turnk as well.

QUESTION NO: 86

Time-of-day routing in Cisco Unified Communications Manager is configured in which of these ways?

- A. by specifying a time schedule on the phone device CSS
- B. by specifying a time period on the phone device CSS
- C. by specifying a time schedule on the partition that is being used for time-of-day routing
- D. by specifying a time period on the partition that is being used for time-of-day routing
- E. directly on the route pattern using an explicit timetable

Answer: C

Explanation:

Explanation : Time-of-Day routing comprises individual time periods that the administrator defines and groups into time schedules. The administrator associates time schedules with a partition. In the Partition Configuration window, the administrator chooses either the time zone of the originating device or any specific time zone for a time schedule.

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a03tod.html

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), page-177.

QUESTION NO: 87

Refer to the following Exhibits.

Exhibit 1

Pattern Definition

Translation Pattern: 0.001#

Partition: HQ_Intl_Pt

Description:

Numbering Plan: < None >

Route Filter: < None >

MLPP Precedence*: Default

Resource Priority Namespace Network Domain: < None >

Route Class*: Default

Calling Search Space: PSTN.CSS

External Call Control Profile: < None >

Route Option: ☒ Route this pattern ☐ Block this pattern No Error

Exhibit 2

Pattern Definition

Translation Pattern: 0.001#

Partition: HQ_BlK_Intl_Pt

Description:

Numbering Plan: < None >

Route Filter: < None >

MLPP Precedence*: Default

Resource Priority Namespace Network Domain: < None >

Route Class*: Default

Calling Search Space: PSTN.CSS

External Call Control Profile: < None >

Route Option: ☐ Route this pattern ☒ Block this pattern No Error

Exhibit 3

CSS	Partition
Phone Device CSS	HQ_BlK_Intl_pt
Phone Line CSS	HQ_Intl_pt
PSTN.CSS	PSTN_Pt

Assume that route pattern for international calls is assigned to the PSTN_Pt partition. Alter applying the CSSs shown in the exhibit to a phone and placing a call to 00014087071222, which

of the following statements is true?

- A.** The call will be blocked because the line and device CSS will be combined and partitions in the device CSS will take precedence
- B.** The call will be permitted because the line and device CSS will be combined and partitions in the line CSS will take precedence
- C.** The call will be blocked because any translation pattern that is blocked will take precedence
- D.** Only calls from the primary line will be permitted Secondary lines will be blocked.

Answer: B

Explanation:

Explanation : the Line CSS configured on the directory number associated with the user's device profile

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/8x/cmapps.html

QUESTION NO: 88

When CUCM is configured with a route pattern, translation ____ transformation, which is matched first when a user dials 914085551212?

- A.** route pattern
- B.** translation pattern
- C.** called-party transformation
- D.** calling-party transformation

Answer: B

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmcfg/b03txpat.html

Explanation : Route pattern is used to to route calls to external entities. The calling and called party numbers resulting from the digit transformations configured in the route pattern and/or route lists are then processed by any Transformation Patterns configured for the devices contained in the chosen Route Group.

QUESTION NO: 89

When local route groups are used and a user dials 918005551212 what component is ultimately used to route the digits to the local gateway?

- A. The route list applied to the route pattern
- B. The device pool of the calling device
- C. The translation pattern
- D. The gateway or route list associated with eh +.! route pattern

Answer: B

Explanation: The device pool is used to route the digits to the local gateway.

QUESTION NO: 90

When Cisco Unified Communications Manager is in a default configuration, why are all calls possible for all calling sources?

- A. Because all entities are placed in the <None> partition and in the <Default> CSS.
- B. Because all entities are placed in the <Default> partition and the <Default> CSS.
- C. Because entities that do not have a CSS assigned can only access calling targets without a partition assigned.
- D. Because any calling target can only reach those calling sources that are in the <Default> CSS.

Answer: C

Explanation:

QUESTION NO: 91 DRAG DROP

Drag the appropriate IOS command from the left and drop them in the spaces on the right. Configure an H.323 gateway to provide call processing redundancy where the Subscriber (10.1.5.3) is the preferred server and if that isn't available the Publisher (10.1.5.2) should be used after three (3) seconds. Not all options are used.

```
voice-class h323 1
preference 0
voice class media 1
h225 timeout tcp establish 3
h225 timeout setup 3
voice class h323 1
preference 1
voice-class 1
```

```
!
dial-peer voice 2000 voip
destination-pattern 2...
session target ipv4:10.1.5.3
!
dial-peer voice 2001 voip
destination-pattern 2...
session target ipv4:10.1.5.2
```

Answer:

```
voice-class h323 1
preference 0
voice class media 1
h225 timeout tcp establish 3
h225 timeout setup 3
voice class h323 1
preference 1
voice-class 1
```

```
!
voice class h323 1
h225 timeout tcp establish 3
!
dial-peer voice 2000 voip
destination-pattern 2...
voice-class h323 1
session target ipv4:10.1.5.3
!
dial-peer voice 2001 voip
destination-pattern 2...
voice-class h323 1
preference 1
session target ipv4:10.1.5.2
```

Explanation:

voice class h323 1

h225 timeout tcp establish 3

!

dial-peer voice 100 voip

destination-pattern 1...

voice-class h323 1

session target ipv4:10.1.5.3

!

```
dial-peer voice 101 voip
destination-pattern 1...
voice-class h323 1
preference 1
session target ipv4:10.1.5.2
!
```

QUESTION NO: 92

What are characteristics of a partition? (Choose two)

- A. assigned to sources of callrouting requests.
- B. any group of numbers with the same reachability.
- C. used to track calls to certain numbers.
- D. used to restrict outgoing calls to certain numbers.
- E. contains calling search spaces.

Answer: B,D

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a03ptcss.html

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1) , page-171

Explanation : A *partition* comprises a logical grouping of directory numbers (DNs) and route patterns with similar reachability characteristics

QUESTION NO: 93 DRAG DROP

Drag the appropriate IOS command from the left and drop them in the boxes on the right to configure a fractional E1 on controller 0/0/0. The controller should support 4 time slots using MGCP and use default framing and linecode. Also configure D-channel backhaul. Assume the serial interface is in the default state.

Assume the ISDN switch type has been configured as a primary-ni. Not all options are used.

```
controller 0/0/0 time-slots 1-4,16  
isdn backhaul ccm-manager  
isdn switch-type primary-net5  
no shut  
isdn bind-13 ccm-manager  
interface serial 0/0/0:15  
controller e1 0/0/0  
pri-group time-slots 1-4 service mgcp
```


Answer:

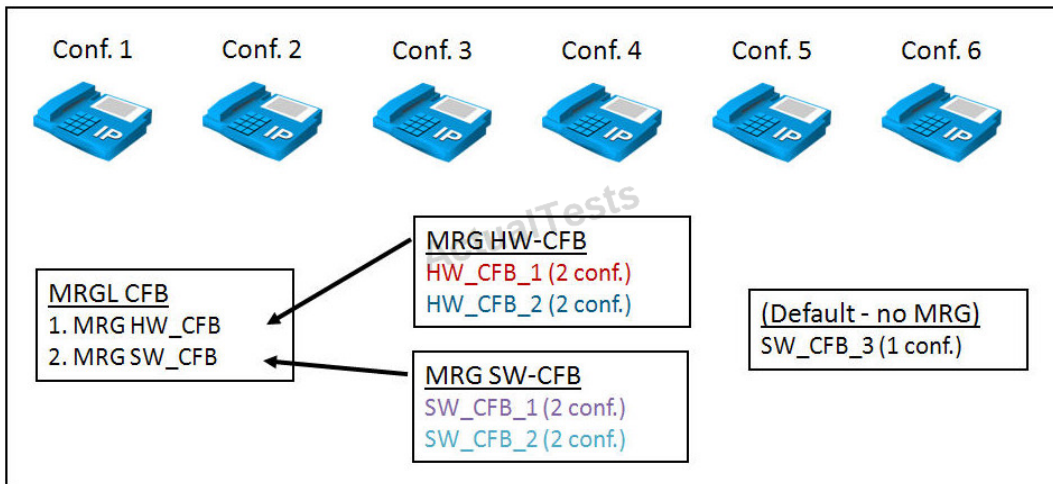
```
controller 0/0/0 time-slots 1-4,16  
isdn backhaul ccm-manager  
isdn switch-type primary-net5  
no shut  
isdn bind-13 ccm-manager  
interface serial 0/0/0:15  
controller e1 0/0/0  
pri-group time-slots 1-4 service mgcp
```

```
controller e1 0/0/0  
pri-group time-slots 1-4 service mgcp  
no shut  
interface serial 0/0/0:15  
isdn bind-13 ccm-manager
```

Explanation:

```
controller 0/0/0 time-slots 1-4,16  
isdn backhaul ccm-manager  
isdn switch-type primary-net5  
no shut  
isdn bind-13 ccm-manager  
interface serial 0/0/0:15  
controller e1 0/0/0  
pri-group time-slots 1-4 service mgcp
```

```
controller e1 0/0/0  
pri-group time-slots 1-4 service mgcp  
no shut  
interface serial 0/0/0:15  
isdn bind-13 ccm-manager
```

QUESTION NO: 94

Refer to the exhibit. Each of the IP phones needs to use conferencing resources at the same time. Which conference resource will conference 2 use?

- A. HW_CFB_1
- B. HW_CFB_2
- C. SW_CFB_1
- D. SW CFB 2

Answer: A

Explanation:

QUESTION NO: 95

When using unicast music on hold, how many streams will be sent to endpoints if a corporate marketing department has a customized message that is played whenever a customer is placed on hold?

- A. one
- B. one for each message in the music on hold system
- C. one for each endpoint placed on hold
- D. one per instance of music on hold in the server

Answer: C

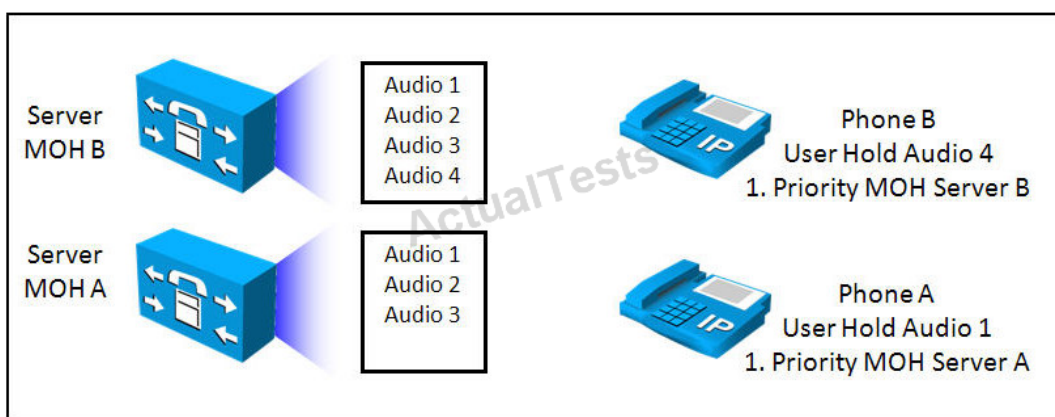
Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/7_0_1/ccmfeat/fsmoh.html

Reference : Cisco Unified Communications Manager Features and Services Guide for Cisco Unified Communications Manager Release 8.5(1), page-1003.

QUESTION NO: 96

Refer to the exhibit.



When Phone B places Phone A on hold which audio stream will be heard and from which server will it be delivered? (Choose two.)

- A. Audio 1
- B. Server A
- C. Server B
- D. Audio 4
- E. Audio 2
- F. Audio 3
- G. No audio will be delivered

Answer: B,G

Explanation:

QUESTION NO: 97

Which two of these are characteristics of a Cisco Unified Communications Manager software conference resource? (Choose two.)

- A. The number of participants is based on the number of DSP resources available.
- B. If Cisco Unified Communications Manager is co-resident on the same server, the maximum number of audio streams per server is 128
- C. It supports any combination of codec types.
- D. Any combination of G.711 mu-law, G.711 a-law, or wideband audio streams may be connected.
- E. It supports only unicast audio streams.
- F. It supports both unicast and multicast audio streams.

Answer: D,E

Explanation:

Explanation : The number of maximum audio stream per server is always 128. Software conference devices support G.711 codecs by default , Software conference is not depends on DSP resources.

Link: http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a05confb.html

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), page-300.

QUESTION NO: 98

A phone has a device CSS that includes the partitions phones and PSTN. This provides access for all internal phones and external calls. The first line on this phone has a CSS that includes the partitions phones, 911, and local. If a call is placed to a long-distance number, will the call be completed and why or why not?

- A. No, because the CSS on the line does not include the partition for long-distance.
- B. No, because when there is a CSS on both the line and the device, the line CSS takes precedence.
- C. Yes, because the line CSS also includes the <None> partition and this will be used to match the long-distance call.
- D. Yes, because the call will use the device CSS

Answer: A

Explanation:

Link :

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a03ptcss.html#wp1020336

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), page-173.

QUESTION NO: 99

What is the accessibility of a DN assigned to the <None> partition?

- A. accessible by all devices regardless of the CSS configured on the device on the calling device
- B. not accessible by any device
- C. only accessible by devices that have the None CSS configured
- D. not accessible by any device by default, unless enabled in the Cisco Unified Communications Manager service parameters

Answer: A

Explanation:

Explanation : Before configure any partitions or calling search spaces, all directory numbers (DN) reside in a special partition named <None>, and all devices are assigned a calling search space also named <None>.

When you create custom partitions and calling search spaces, any calling search space that you create

also contains the <None> partition, while the <None> calling search space contains only the <None>

partition.

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a03ptcss.html

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), page-172.

QUESTION NO: 100

Which three of these are characteristics of multicast music on hold? (Choose three.)

- A. It uses one-way RTP point-to-point.
- B. There is a single user per audio stream.
- C. Networks and devices have to support multicast.
- D. It increments on IP address for different audio sources
- E. It uses the multicast group address 239.1.1.1 to 239.255.255.255.
- F. It uses service parameters to set the codec type(s) used by MoH services.

Answer: D,E,F

Explanation:

QUESTION NO: 101

If a phone has a device CSS that permits access to all internal and external numbers, which line CSS, would prevent access to toll free numbers?

- A. block local, block international
- B. block local, toll free and block international
- C. block toll free
- D. block local, block long distance, block toll free

Answer: C

Explanation:

Explanation : block local will block every call

QUESTION NO: 102

Which two of these describe how media resources and audio streams operate with Cisco Unified Communications Manager? (Choose two.)

- A. Audio streams are terminated differently depending on the signaling protocol, such as SCCP or SIP.
- B. All media resources register with Cisco Unified Communications Manager.
- C. Signaling between Cisco Unified Communications Manager and hardware media resources uses the same protocol as the call-signaling type
- D. Audio streams always use RTP or SRTP
- E. There are no situations in which IP phone-to-IP phone audio streams will go directly between endpoints.

Answer: B,D

Explanation:

Explanation : Cisco Unified Communications Manager Administration allows definition of at least 500 media resource groups per cluster. Each media resource group may include any combination of at least 20 media resources, including music on hold servers, media termination points, transcoders, and conference devices. Music on hold servers in one cluster support at least 10,000 simultaneous music on hold streams

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_0_2/ccmfeat/fsmoh.html

Reference : Cisco Unified Communications Manager Features and Services Guide, Release 8.5(1), page-1001

QUESTION NO: 103

Which two of these are required in order for Cisco Unified Communications Manager to support software conferencing? (Choose two.)

- A.** The Cisco IP Voice Media Streaming Application needs to be activated on the server running the conferencing service in the cluster
- B.** The service parameter for the Cisco IP Voice Media Streaming Application needs to have Run Flag set to True.
- C.** The software conference bridge resource needs to be configured in Cisco Unified Communications Manager.
- D.** The Cisco IP Voice Media Streaming Application needs to be activated for all servers in the cluster.
- E.** Under the Cisco IP Voice Media Streaming Application parameters, the conference bridge needs to have Run Flag set to True.

Answer: A,E

Explanation:

QUESTION NO: 104

If no SIP dial rules are configured on an IP phone, at what point in the collection of digits does a Type A SIP phone send digits to the Cisco Unified Communications Manager? (Choose two.)

- A.** when the interdigit timer expires
- B.** when the collected digits match a SIP dial rule
- C.** when the user presses the Dial softkey
- D.** as each digit is collected (it is sent for analysis)
- E.** when the user presses the # key

Answer: C,E

Explanation:

QUESTION NO: 105

Status	
 Status: Ready	
Pattern Definition	
Pattern*	\+1.301301XXXX
Partition	HQ_clng_pty_pt
Description	
Numbering Plan	< None >
Route Filter	< None >
☒ Urgent Priority	
Calling Party Transformations	
☐ Use Calling Party's External Phone Number Mask	
Discard Digit Instructions	PreDot
Calling Party Transformation Mask	
Prefix Digits	1
Calling Line ID Presentation*	Default
Calling Party Number Type*	Cisco CallManager
Calling Party Numbering Plan*	ISDN

Refer to the exhibit. There is a translation pattern that prefixes +1 to the calling number 3013013001. Assume the gateway is configured with a calling party transformation CSS that contains the HQ_clng_pty_pt partition. When 3013013001 places a call to the PSTN, what is the caller ID as it egresses the gateway.

- A. 3013001
- B. 3013013001
- C. +13013001
- D. +13013013001
- E. 13013013001

Answer: E

Explanation:

Explanation : 13013013001 is right, because first you take away predot (+1) and then you add prefix digits 1

QUESTION NO: 106

Incoming Calling Party Settings

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unless the field is empty in which case there is no prefix assigned.

Number Type	Prefix	Strip Digits	Calling Search Space	Use Device Pool CSS
National Number		0	< None >	☐
International Number	+	2	Trans_CLID_CSS	☐
Unknown Number		0	< None >	☐
Subscriber Number	+1408	0	Trans_CLID_CSS	☒

**Trans_CLID_CSS – Match pattern: \+4922.!
DDI: Pre Dot – Prefix +4912**

Device Pool CSS - Default

Refer to the exhibit. What is the output displayed on the IP phone when the incoming calling number is 00492288224002?

- A. +492288224002
- B. +00492288224002
- C. +00491288224002
- D. +49128822400
- E. +49122288224002
- F. +491288224002

Answer: B

Explanation:

Calling number type is TUN = Unknown Number Right answer is 00492288224002

QUESTION NO: 107

Which two of these are characteristics of multicast music on hold? (Choose two.)

- A. It uses one-way RTP point-to-point.
- B. There is a single user per audio stream.
- C. Networks and devices have to support multicast.
- D. It decrements by port number for different audio sources.
- E. It uses the multicast group address 238.1.1.1 to 239.255.255.255.
- F. It uses the multicast group address 239.1.1.1 to 239.255.255.255.
- G. It uses service parameters to set the codec type or types that are used by conferencing services

Answer: C,F

Explanation:

Explanation : In multicast scenario A& B is absolutely wrong. Cisco recommends using an IP

address in the range that is reserved for administratively controlled applications on private networks (239.0.0.0 to 239.255.255.255)

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmfeat/fsmoh.html

NotE. if this would have been a choose three question then G could be correct as well.

Reference : Cisco Unified Communications Manager Features and Services Guide for Cisco Unified communications Manager Release 8.5(1), page-1002

QUESTION NO: 108

Which three of these are characteristics of a Cisco Unified Communications Manager software-based Media Termination Point? (Choose three.)

- A. The codec and packetization of both call legs must be identical.
- B. This Media Termination Point type does not require any DSP resources on the Cisco router.
- C. DSP resources are required.
- D. It can provide G.711 mu-law to G.711 a-law conversion and vice versa.
- E. It can provide packetization conversion for a given codec (for example, if one call leg is using a 20-ms sample size, but the other call leg is using a 30-ms sample size).
- F. This Media Termination Point type is typically used for RSVP agent configurations or Cisco Unified Border Element media flow-through configurations.

Answer: B,D,E

Explanation:

Three MTP types can be configured:

- Software MTP: provided by the Cisco IP Voice Media Streaming App service on Cisco Unified Communications Manager:

— This MTP type can convert G.711 mu-law to G.711 a-law and vice versa.

— This MTP type can packetize conversion for a given codec; for example, when one call leg uses 20-ms

sample size and the other call leg uses 30-ms sample size.

- Software MTP: configured on Cisco *IOS routers*:

— This MTP type does not require any DSP resources on the Cisco router. Enable Cisco IOS Software MTPs by using the maximum session software <n> command. As many as 500 software-based sessions can be configured. The *codec and packetization* of both call legs must be identical.

— This MTP type typically is *used for Resource Reservation Protocol (RSVP)* agent configurations or Cisco Unified Border Element media flow-through configurations.

— Cisco Unified Communications Manager does not differentiate between software-and hardware-based Cisco IOS MTP configurations. Every Cisco IOS Software MTP is considered as a hardware MTP in Cisco Unified Communications Manager.

QUESTION NO: 109

Which two of these are characteristics of using Standard Local Route Groups? (Choose two.)

- A. reduces call-routing time
- B. decouples the selection of a PSTN gateway from a route pattern
- C. can be added more than once to a route pattern
- D. allows for the dynamic selection of egress gateways based on the device originating the call
- E. places more call-routing intelligence at the gateway

Answer: B,D

Explanation:

Explanation : route group can be added to route list not route pattern.

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmfeat/fslrg.html

Reference : Cisco Unified Communications Manager Features and Services Guide for Cisco Unified Communications Manager Release 8.5(1) , page-791

QUESTION NO: 110

Where is a Local Route Group configuration applied?

- A. in each IP phone
- B. in each device pool
- C. in each location
- D. in each region
- E. in each route list

Answer: B

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmfeat/fslrg.html

Explanation : The local route group does not statically get bound to any provisioned route group. Local route group field exists on device pool.

Reference : Cisco Unified Communications Manager Features and Services Guide for Cisco

QUESTION NO: 111

Which two call routing tools can be applied to a device pool? (Choose two.)

- A. Called and Calling Party Translation patterns
- B. Called and Calling Party Transformation CSS
- C. Incoming Called and Calling Party Localization
- D. Local Route Group
- E. Application of time-of-day call routing

Answer: B,D

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmfeat/fscallpn.html

Explanation : Called party transformation patterns do not have any effect on phones. The called party transformation pattern CSS of the device pool does not impart any effects on the phones to which it is assigned.

Reference : Cisco Unified Communications Manager Features and Services Guide for Cisco Unified Communications Manager Release 8.5(1), page- 212

QUESTION NO: 112

Keeping the default settings for conferencing resources can lead to toll fraud, because the default settings allow conferences to do which of these?

- A. include both on-net and off-net attendees
- B. be created between attendees that are all off-net
- C. continue if all on-net attendees have left the call
- D. continue if only one on-net attendee remains on the call

Answer: C

Explanation:

Explanation : Call classification route pattern can be used to prevent toll fraud by prohibiting off-net to off-net call transfers or by tearing down a conference bridge when no on-net parties are present

Reference : Cisco Unified Communications System Release 8.x SRND, page-411

QUESTION NO: 113

Which three of these are reasons to deploy media resource access control in a Cisco Unified Communications Manager cluster? (Choose three.)

- A.** to enable Cisco Unified Communications Manager to share and access the resources that are available across multiple clusters
- B.** to enable hardware and software media resources to coexist within a Cisco Unified Communications Manager and to be used with different priorities.
- C.** to enable Cisco Unified Communications Manager to perform load distribution within a group of dissimilar media resources
- D.** to allow media resource access control based on the type of the resource.
- E.** to enable Cisco Unified Communications Manager to perform load distribution within a group of similar media resources.

Answer: B,D,E

Explanation:

Link :

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a05media.html

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), Page- 279.

Explanation : Media resources provide services such as annunciator, transcoding, conferencing, music on hold, and media termination so A & C is not correct.

Topic 4, Single Site Off-net Calling

QUESTION NO: 114

Which of the following actions will prevent devices from being able to initiate conferences?

- A.** Exclude the conference media resource partitions from the CSS.
- B.** Exclude the conference media resources from all MRGs
- C.** Place all conference media resources in MRGs and exclude these MRGs from the MRGL
- D.** Remove the default MRGL from the device pool.

Answer: C

Explanation:**QUESTION NO: 115**

You have two groups of managers that need to hold Meet-Me conferences. You want each group to have access to a range of 10 Meet-Me numbers. What are the two best ways to accomplish this? (Choose two.)

- A.** Ensure that the 10 Meet-Me conference numbers overlap with existing ad hoc conferencing numbers.
- B.** Create two different partitions and add both groups of 10 Meet-Me conference numbers to the partitions.
- C.** Create two groups of 10 Meet-Me conference numbers that do not overlap with any other number in the numbering plan.
- D.** Create a different partition for each group of managers and assign a set of 10 Meet-Me conference numbers to each.
- E.** Create two different groups of Meet-Me conference numbers, add them to the <None> partition, and add the <None> partition to the two manager groups to provide limited access.

Answer: C,D

Explanation:

Link: http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmcfg/b03meet.html
Reference: Cisco Unified Communications Manager Administration Guide Release 8.6(1), page-313.

QUESTION NO: 116

A range of Meet-Me conference numbers is reserved for manager use. Which method can be used to restrict non-managers from accessing these Meet-Me numbers without limiting their ability to initiate ad hoc conferences?

- A.** Place the Meet-Me numbers in an MRGL that is only assigned to the managers' phones.
- B.** Place the Meet-Me numbers in a partition that is only assigned to the CSS for the managers' phones.
- C.** Place the conference bridge resource in an MRGL that is only assigned to the managers' phones.
- D.** Place the conference bridge resource in a partition that is only assigned to the CSS for the managers' phones.

Answer: B

Explanation:

Topic 5, CUCM Administration

QUESTION NO: 117

Which three of these are considered to be Cisco Unified Communications Manager feature services? (Choose three.)

- A.** Cisco CallManager
- B.** Cisco CDP
- C.** Cisco DB Replicator
- D.** Cisco CallManager Admin services
- E.** Cisco TFTP
- F.** Cisco DirSync services

Answer: A,E,F

Explanation:

QUESTION NO: 118

Which two statements regarding CUCM user privileges are correct?

- A.** a user can be a member of more than one user group
- B.** a role can only be assigned to one user group
- C.** a role refers to one or more applications
- D.** an application can be referred to by only one role
- E.** a resource is assigned one privilege per role.

Answer: A,E

Explanation:

Each role refers to one application, and each application has one or more resources (static list per application).

Per role, access privileges are configured per application resource. Roles are assigned to user groups.

QUESTION NO: 119 DRAG DROP

Match the items on the left to the options in the top.

Options, select from these	
Administrator ID password	Application user ID password
Security ID password	

Definitions	Options, place here
Cisco Unified CallManager Administrator access	Place here
CLI access	Place here
Database access	Place here

Answer:

Options, select from these	
Administrator ID password	Application user ID password
Security ID password	

Definitions	Options, place here
Cisco Unified CallManager Administrator access	Application user ID password
CLI access	Administrator ID password
Database access	Security ID password

Explanation:

Options, select from these

Administrator ID password	Application user ID password
Security ID password	

Definitions

Cisco Unified CallManager Administrator access
CLI access
Database access

Options, place here

Application user ID password
Administrator ID password
Security ID password

QUESTION NO: 120 DRAG DROP

Match the items on the left to the options in the top.

Options, select from these

Administrator ID password	Application user ID password
Security ID password	

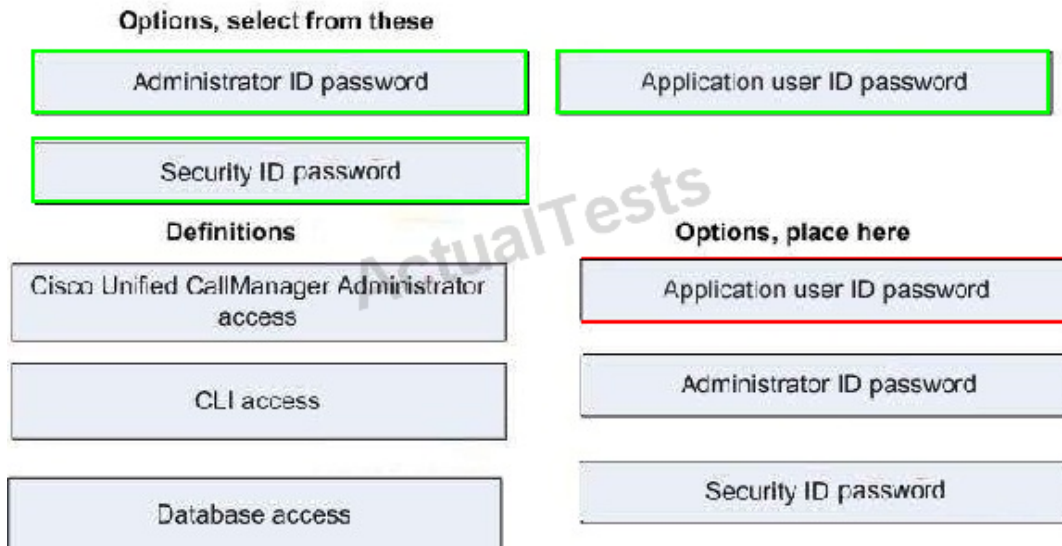
Definitions

Cisco Unified CallManager Administrator access
CLI access
Database access

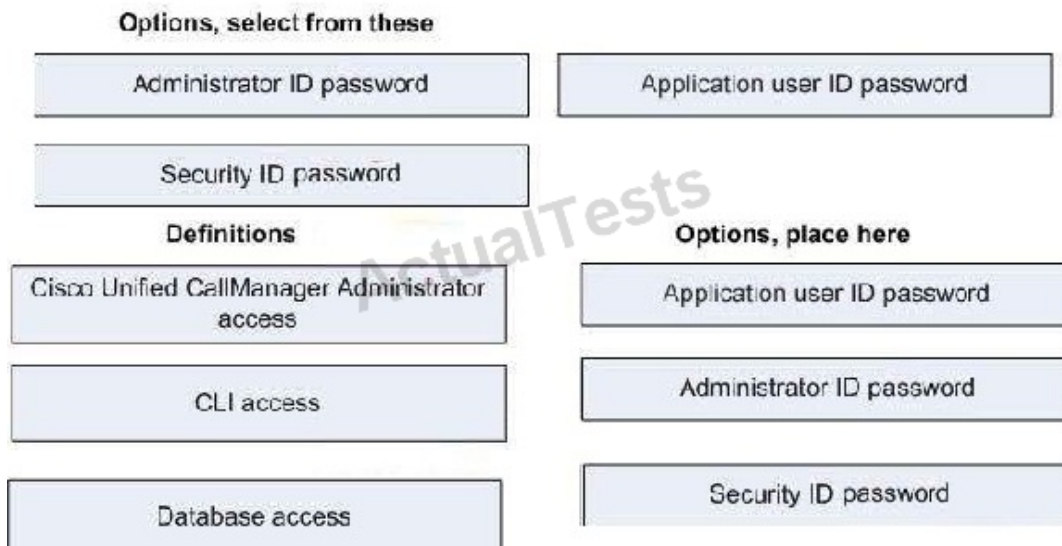
Options, place here

Place here
Place here
Place here

Answer:



Explanation:



QUESTION NO: 121

Within MLA, what is the relationship between applications, privileges, and roles?

- A. Privileges and application resources are applied to roles.
- B. Users are assigned privileges, which are associated with groups, which, in turn, contain roles and applications.
- C. Application resources are assigned to roles, and privileges are assigned to applications.
- D. Applications are associated with groups. Roles and privileges are assigned to applications.

Answer: C

Explanation:

QUESTION NO: 122 DRAG DROP

You work as a network technician at Abc.com. Your boss, miss ABC, is interested threat types. Match the proper threat type with appropriate threat.

Options, select from these

Bills, Top N, Cisco Unified CallManager Assistant and IP phone service	Bills, Top N, QoS, traffic, and Malicious Call Details
FAC-CMC, Precedence call summary, CDR overview, and CDR errors	Gateway, route plan, conference bridge, and voice messaging
System overview, route plan, and FAC-CMC	

Definitions

Device report	Place here
System report	Place here
User report	Place here

Answer:

Options, select from these

Bills, Top N, Cisco Unified CallManager Assistant and IP phone service	Bills, Top N, QoS, traffic, and Malicious Call Details
FAC-CMC, Precedence call summary, CDR overview, and CDR errors	Gateway, route plan, conference bridge, and voice messaging
System overview, route plan, and FAC-CMC	

Definitions

Device report	Gateway, route plan, conference bridge, and voice messaging
System report	FAC-CMC, Precedence call summary, CDR overview, and CDR errors
User report	Bills, Top N, Cisco Unified CallManager Assistant and IP phone service

Explanation:

Options, select from these

Bills, Top N, Cisco Unified CallManager Assistant and IP phone service

Bills, Top N, QoS, traffic, and Malicious Call Details

FAC-CMC, Precedence call summary, CDR overview, and CDR errors

Gateway, route plan, conference bridge, and voice messaging

System overview, route plan, and FAC-CMC

Definitions

Device report

System report

User report

Options, place here

Gateway, route plan, conference bridge, and voice messaging

FAC-CMC, Precedence call summary, CDR overview, and CDR errors

Bills, Top N, Cisco Unified CallManager Assistant and IP phone service

QUESTION NO: 123

Which navigation window should you use to restart the server and view the version of the Cisco Unified CallManager 5.0 software?

- A. Cisco Unified CallManager Serviceability
- B. Cisco Unified CallManager Administration
- C. Platform Administration
- D. Disaster Recovery System

Answer: C**Explanation:**

correct. if Platform Administration = Cisco Unified OS Administration

if both Platform Administration & Cisco Unified OS Administration are present, choose OS Administration

QUESTION NO: 124

Under the Platform Administration GUI, if an NTP server isn't specified, what will the Cisco Unified

CallManager cluster use for a time source?

- A. The clock source for the cluster will be the first Cisco router that is configured to support NTP.
- B. The internal clock in the first node will become the clock source for the cluster.
- C. The individual servers in the cluster will each use their own internal clock source.
- D. The clock source for the cluster will revert to the first application that supports NTP.

Answer: B

Explanation:

Cisco Unified Communications System 8.x SRND

pg.3-33 Unified CM automatically synchronizes the NTP time of all subscribers in the cluster to the publisher. During installation, each subscriber is automatically configured to point to an NTP server running on the publisher. The publisher considers itself to be a master server and provides time for the cluster based on its internal hardware clock unless it is configured to synchronize from an external server.

QUESTION NO: 125

What are two reasons to use IP addresses instead of DNS in a Cisco Unified Communications Manager cluster? (Choose two.)

- A. simplifies management
- B. simplifies troubleshooting
- C. improves IP address scalability
- D. makes IP address changes easier
- E. reduces the number of potential sources of failure

Answer: B,E

Explanation:

QUESTION NO: 126

Which two statements regarding Cisco Unified Communications Manager user privileges are correct? (Choose two.)

- A. A user can be a member of more than one user group.
- B. A role can only be assigned to one user group.
- C. A role refers to one or more applications.
- D. An application can be referred to by only one role.

E. A resource is assigned one privilege per role.

Answer: A,E

Explanation:

Each role refers to one application, and each application has one or more resources (static list per application). Per role, access privileges are configured per application resource. Roles are assigned to user groups.

QUESTION NO: 127

Which two steps are required to configure LDAP authentication? (Choose two.)

- A. Add a Cisco Unified Communications Manager directory user and assign administrator access rights to the user in the LDAP directory.
- B. Activate Cisco Dir Sync service.
- C. Configure a synchronization schedule.
- D. Configure the LDAP server type in Cisco Unified Communications Manager Administration.
- E. Configure LDAP server addresses in Cisco Unified Communications Manager Administration.

Answer: A,E

Explanation:

QUESTION NO: 128

A Cisco Unified CM cluster is configured for LDAP Authentication. Which two statements regarding this integration are correct? (Choose two.)

- A. User passwords are configured and managed in LDAP.
- B. User passwords are replicated to Cisco Unified Communications Manager database.
- C. Users and their personal organization data must be configured in LDAP and are replicated to Cisco Unified Communications Manager database.
- D. User authentication fails if the LDAP directory is not available.
- E. LDAP synchronization is also configured, user authentication will be performed against the Cisco Unified Communications Manager database if the LDAP directory is not available.

Answer: A,D

Explanation:

QUESTION NO: 129

Which two of these accurately describe Cisco Unified Communications Manager users? (Choose two.)

- A. associated with devices
- B. cannot use LDAP
- C. use interactive logins
- D. not included in user directories
- E. used to enable user features

Answer: B,D

Explanation:

QUESTION NO: 130

Which three steps are necessary in order to configure DHCP for phone support using the GUI in Cisco Unified Communications Manager 6.0? (Choose three.)

- A. add the DHCP server IP address to the device pool
- B. activate DHCP Monitor Service
- C. add and configure the DHCP server
- D. start the application on an external server
- E. configure the DHCP subnet
- F. download the DHCP server application from the plug-in page

Answer: B,C,E

Explanation:

QUESTION NO: 131

If a service is currently deactivated, how can the service be reactivated from the Cisco Unified Communications Manager Serviceability Control Center page?

- A. by clicking on the radio button to the left of the service on the Control Center page
- B. by selecting Cisco Unified CM Serviceability > Service Activation and then clicking on the radio button to the left of the service to activate it
- C. by selecting Tools > Service Activation, selecting the correct server, and clicking on the radio button to the left of the service to activate it
- D. by selecting Cisco Unified CM Serviceability > Tools, clicking on the radio button to the left of the service that needs to be activated, and then returning to the Control Center to activate the

service

Answer: A

Explanation:

Alarm ▾Trace ▾Tools ▾Snmp ▾CallHome ▾Help ▾

Control Center - Feature Services

Status

Status : Ready

Select Server

Server*

TTCUCMPUB

Go

Database and Admin Services

	Service Name	Status
☐	Platform SOAP Services	Started
☐	Cisco AXL Web Service	Started
☐	Cisco UXL Web Service	Started
☐	Cisco Bulk Provisioning Service	Started
☐	Cisco TAPS Service	Started

Performance and Monitoring Services

	Service Name	Status
☐	Cisco Serviceability Reporter	Started
☐	Cisco CallManager SNMP Service	Started

Directory Services

	Service Name	Status
☐	Cisco DirSync	Started

CM Services

	Service Name	Status
☐	Cisco CallManager	Started

QUESTION NO: 132

What are the two major types of services on Cisco Unified Communications Manager servers?
(Choose two)

- A. Device services**
- B. Mobility services**
- C. Platform services**
- D. Feature services**
- E. Network services**
- F. Security services**

Answer: D,E

Explanation:

Link :

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/managed_services/8_0_2/CUCM/overview.html

Explanation : A , C : There is no such kind of services

B : mobility service define how the features will work on a system.

QUESTION NO: 133

Which Cisco Unified Communication Manager tool would be the most appropriate to use to manage phones that auto register?

- A. DRF
- B. BAT
- C. TAPS
- D. BPS

Answer: C

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/bat/8_5_1/t18taps.html

Reference : Cisco Unified Communications Manager Administration Guide 8.6(1), page-803

Explanation :

QUESTION NO: 134

Users that are subscribed to the default corporate directory are complaining that when they press the Directories button, they receive an error message regarding the URL. Which two parameters need to be edited?

- A. Reset the Service Parameter -> Phone URL Parameter
- B. Reset Enterprise Phone URL Parameters
- C. Select the Service Parameter for the appropriate server and CCM (active) and change the URLs for each service to match the DNS name or IP address of the server being configured
- D. Change the URLs under Enterprise parameters to match the DNS name or the IP address being used by the server being configured and reset the IP phones
- E. Verify that the corporate directory has the Enabled check box checked in the IP Phone Services -> Configuration Service Information page
- F. Verify that the corporate directory has the Enabled check box checked in the Enterprise Parameter -> Phone URL Parameter page

Answer: D,E

Explanation:

QUESTION NO: 135

When a user dials a Type A SIP phone, how are the digits analyzed by Cisco Unified Communications Manager?

- A.** Digits are first checked against the local SIP dial rules and then sent to the Cisco Unified Communications Manager digit-by-digit
- B.** Digits are sent to the Cisco Unified Communications Manager digit-by-digit.
- C.** Digits are first checked against the local SIP dial rules and then sent to the Cisco Unified Communications Manager en bloc.
- D.** Digits are sent to the Cisco Unified Communications Manager en bloc.

Answer: C

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a08sip.html

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), page-443.

QUESTION NO: 136

There are three servers listed in a Cisco Unified Communications Manager group. They are listed in this order: Subscribe_1, Publisher, and Subscriber_2. In which order does an IP phone attempt to register with the Cisco Unified Communications Manager group?

- A.** The IP phone uses the server listed in its device configuration.
- B.** The IP phone uses the list of servers contained in its associated device pool.
- C.** The IP phone will go through the list from first server to last server listed in the Cisco Unified Communications Manager group list.
- D.** The IP phone starts with Publisher, then moves to the first and second listed subscribers in the Cisco Unified Communications Manager group list.

Answer: B

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmfeat/fslrg.html

Explanation : IP phone first search for subscriber and doesn't have any device pool

QUESTION NO: 137

When creating your own CSV file to be used by Cisco Unified Communications Manager BAT, which three rules do you need to follow? (Choose three.)

- A.** Do not enter blank lines; otherwise, errors occur during the insert transaction.
- B.** Edit the Excel macro for each separate Unified Communications Manager BAT transaction.
- C.** Use a separate line for each data record.
- D.** Separate each data field with a comma and include comma separators for blank fields.
- E.** Disable Excel macros after adding data and prior to the CSV file upload to the Unified Communications Manager BAT service.

Answer: A,C,D

Explanation: Reference : Cisco Unified Communications Manager Bulk Administration Guide Release 8.6(1), page-588.

Explanation :

Step 1 Open a text editor (such as Microsoft Notepad) or any application that allows you to export or create a CSV file.

Step 2 Use a separate line to enter the values for each phone, IP telephony device, or user combination that you want to add to Cisco Unified Communications Manager. You must create separate CSV files for each type of device. Keep in mind the following rules when you create the CSV data file.

- Always include comma separators, even if a field is blank.
 - Specify the user ID if the phone is to be associated to a user.
 - Directory Number fields are optional only when you are creating the CSV file for use with a BAT template that has no lines. If lines are configured on the BAT phone template, you must supply directory numbers in the CSV file for each device.
 - An error occurs when you insert a CSV file with blank lines.
 - While saving your CSV file, choose to save it as 'UTF-8' encoded. In Notepad, you can select encoding as 'UTF-8' from the Encoding dropdown.
- Step 3 Upload the CSV file to the first node of Cisco Unified Communications Manager.

QUESTION NO: 138

How does an IP phone maintain its connection with the primary and secondary Cisco Unified Communications Manager servers in the cluster?

- A.** Cisco IP phones register with their primary server. When idle, the IP phones and Cisco Unified Communications Manager exchange the signaling application keepalives. In addition, Cisco IP phones establish a UDP session with their secondary server and exchange UDP keepalives.
- B.** Cisco IP phones register with their primary server. When idle, the IP phones and Cisco Unified Communications Manager exchange the signaling application keepalives. In addition, Cisco IP phones establish a TCP session with their secondary server and exchange TCP keepalives.
- C.** Cisco IP phones register with their primary and secondary servers. When idle, the IP phones and Cisco Unified Communications Manager exchange the signaling application keepalives with both servers using UDP keepalives.
- D.** Cisco IP phones register with their primary and secondary servers. When idle, the IP phones and Cisco Unified Communications Manager exchange the signaling application keepalives. In addition, Cisco IP phones establish a TCP session with their secondary server and exchange TCP keepalives.

Answer: B

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/port/8_5_1/portlist851.html

Explanation : To connect with DB CUCM 8.5 use TCP

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1), page-562.

QUESTION NO: 139

The Bulk Provisioning Service needs to be activated prior to submitting a job through Cisco Unified Communications Manager BAT. Where is the Bulk Provisioning Service activated?

- A.** Cisco Unified Serviceability Service Activation
- B.** Cisco Unified OS Administration
- C.** Cisco Unified CM Administration
- D.** Cisco Unified Communications Manager Enterprise Parameters
- E.** Cisco Unified Communications Manager Service Parameters Bulk Provisioning Service

Answer: A

Explanation:

Link :

http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a08sip.html#wp1165318

Explanation :

B : CM administration : create, modify, or delete the user device profile

c : OS administration : configure and administer cisco CM platforms

d : CM administration : create, modify, or delete the user device profile

QUESTION NO: 140

Which two Cisco Unified Communications Manager BAT features provide a robust alternative to DRF? (Choose two.)

- A. performs bulk transactions for Cisco Unified Communications Manager
- B. exports data (phones, users, gateways, and so on); exported files can be modified and re-imported
- C. supports globalization
- D. has an import and export function that can be used to move data records from one Cisco Unified Communications Manager cluster to another
- E. exports data (phones, users, gateways, and so on); exported files can be modified and re-imported in the Active Directory database

Answer: A,D

Explanation:

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/bat/8_6_1/t13cnftl.html#wp1046857

Reference : Cisco Unified Communications Manager Bulk Administration Guide Release 8.6(1), page- 31, 491.

QUESTION NO: 141 DRAG DROP

Drag the steps necessary to configure DHCP for IP phones from the left and place them in the correct order on the right. Assume the DHCP monitor has been activated in Cisco Unified Serviceability. (You will not use all the options.)

Configure TFTP server	
Activate the DHCP server in Cisco Unified OS Administration	
Configure the IP subnets	
Activate the DHCP server in Cisco Unified CM Administration Enterprise Parameters	
Configure the DHCP server in Cisco Unified CM Administration	

Answer:

Drag the steps necessary to configure DHCP for IP phones from the left and place them in the correct order on the right. Assume the DHCP monitor has been activated in Cisco Unified Serviceability. (You will not use all the options.)

Configure TFTP server	Activate the DHCP server in Cisco Unified OS Administration
Activate the DHCP server in Cisco Unified OS Administration	Configure the IP subnets
Configure the IP subnets	Configure TFTP server
Activate the DHCP server in Cisco Unified CM Administration Enterprise Parameters	
Configure the DHCP server in Cisco Unified CM Administration	

Explanation:

Configure TFTP server	Configure the DHCP server in Cisco Unified CM Administration
Activate the DHCP server in Cisco Unified OS Administration	Configure the IP subnets
Configure the IP subnets	Configure TFTP server
Activate the DHCP server in Cisco Unified CM Administration Enterprise Parameters	
Configure the DHCP server in Cisco Unified CM Administration	

Steps to Configure DHCP Phone Support

1. Activate the DHCP Monitor Service.
2. Add and configure the DHCP server.
3. Configure the DHCP subnets.

QUESTION NO: 142

Which three of these are considered Cisco Unified Communications Manager Network services?

- A. Cisco CallManager
- B. Cisco CDP
- C. Cisco DB Replicator
- D. Cisco CallManager Admin services
- E. Cisco TFTP
- F. Cisco DirSync

Answer: B,C,D

Explanation: Reference : Cisco Unified Serviceability Administration Guide , Release 8.6(1), page-91

- A. The Cisco CallManager service provides software-only call processing as well as signaling and call control functionality for Cisco Unified Communications Manager.
This is part of the feature services.
- E. TFTP is part of the CM Services
- F. DirSync is a directory service

QUESTION NO: 143

Which information is provided to the IP phone from the TFTP server?

- A. the IP address of the DNS server
- B. device configuration files and firmware upgrade files
- C. time and date information
- D. the name resolution protocol that allows IP applications to refer to other systems by logical names instead of IP addresses

Answer: B

Explanation:

Explanation : TFTP server is used for automated transfer of configuration or boot files

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmcfg/b06phsrvr.html

Reference : Cisco Unified Communications Manager Administration Guide Release 8.6(1), page-679

Topic 6, Features and Applications

QUESTION NO: 144

Which new traffic type has been added between Cisco Unified CallManager 5.0 servers?

- A. management channel traffic
- B. call processing traffic
- C. licensing message traffic
- D. database traffic

Answer: C

Explanation:

QUESTION NO: 145

Which two steps must a user take to use a prepared stock quote XML application on an IP phone? (Choose two.)

- A. Initiate an application TFTP request.
- B. Select the Services button and choose the stock option application.
- C. Use the Settings button to activate the application on the phone.
- D. Request that the administrator add their directory number to the application list.
- E. Subscribe, or have the Cisco Unified CallManager administrator subscribe, the phone to the service using the User Options web page.
- F. Dial the directory number for the service.

Answer: B,E

Explanation:

QUESTION NO: 146 DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in Presence terms.

Match the proper Presence term with

Options, select from these

Availability	Observer
Presence	Presence Group
Presence Entity	Watcher

Definitions

An interested party which can monitor the real-time status of a directory number

Directory number or SIP URI

Set of watchers that is allowed (or disallowed) from watching the status of a presence entity

The status of a user

The status of a device

Options, place here

Place here

Place here

Place here

Place here

Place here

Answer:

Options, select from these

Availability

Observer

Presence

Presence Group

Presence Entity

Watcher

Definitions

An interested party which can monitor the real-time status of a directory number

Directory number or SIP URI

Set of watchers that is allowed (or disallowed) from watching the status of a presence entity

The status of a user

The status of a device

Options, place here

Watcher

Presence Entity

Presence Group

Availability

Presence

Explanation:

Options, select from these

Availability

Observer

Presence

Presence Group

Presence Entity

Watcher

Definitions

An interested party which can monitor the real-time status of a directory number

Directory number or SIP URI

Set of watchers that is allowed (or disallowed) from watching the status of a presence entity

The status of a user

The status of a device

Options, place here

Watcher

Presence Entity

Presence Group

Availability

Presence

QUESTION NO: 147

Which best describes the purpose of a Cisco Unity voice-mail profile?

- A. to determine whether to use the MWI on number and the MWI off number
- B. to determine the number that is dialed when users press the Message button
- C. to define voice-mail-related attributes
- D. to assign a partition to any email-related number

Answer: C

Explanation:

QUESTION NO: 148

Which three determinations are possible when using the Presence feature in a Cisco Unified Communications network? (Choose three.)

- A. Determine if an IP phone has been unplugged if the phone is in the same Cisco Unified Communications cluster as the watcher.
- B. Determine if an IP phone is on hook or off hook if the phone is outside the Cisco Unified Communications cluster of the watcher.
- C. Determine if an IP phone is on hook or off hook if the phone is in the same Cisco Unified Communications cluster as the watcher.
- D. Determine if a set of IP phones is on hook or off hook if the phones are in the same Cisco Unified Communications cluster as the watcher.
- E. Determine if an IP phone has been moved or the user has been changed if the phone is in the same Cisco Unified Communications cluster as the watcher.
- F. Determine if an IP phone has been off hook beyond a specified period of time if the phone is in the same Cisco Unified Communications cluster as the watcher.

Answer: B,C,D

Explanation:

QUESTION NO: 149 DRAG DROP

Click and drag the XML application service information field name on the left to its Answer:

description on the right

Service Name	The server where the IP phone services application is located.
ASCII Service Name	The content that the service provides.
Service Description	The service as it will be displayed if the phone cannot display Unicode
Service URL	The service as it will be displayed on the menu of available services in the Cisco Unified IP Phone User Options application.

Drag and drop question. Drag the items to the proper locations.

Click and drag the XML application service information field name on the left to its description on the right

Answer:

Service Name	Service URL
ASCII Service Name	Service Description
Service Description	ASCII Service Name
Service URL	Service Name

Explanation:

Service Name	Service URL
ASCII Service Name	Service Description
Service Description	ASCII Service Name
Service URL	Service Name

Drag and drop question. Drag the items to the proper locations.

QUESTION NO: 150

Which of these is used for call and directory lists that are enabled for Native Presence in Cisco Unified Communications Manager?

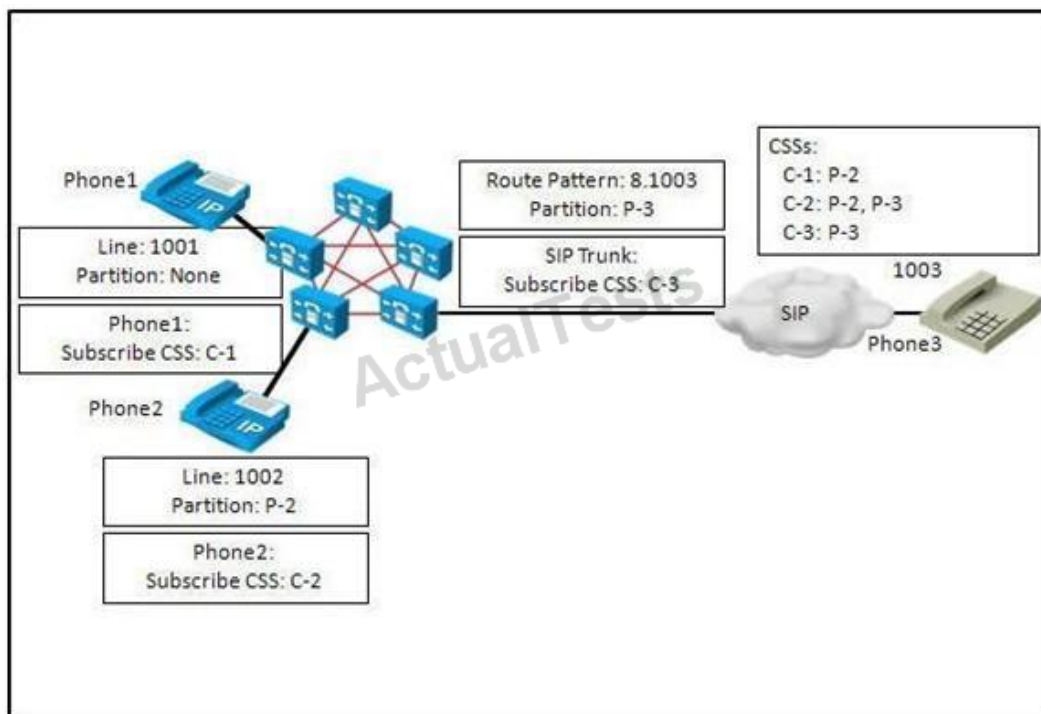
- A. Phone Device CSS.
- B. Phone Line CSS.
- C. Subscribe CSS.
- D. Combined Phone and Line CSS.
- E. Combined Phone Device and Subscribe CSS.
- F. Combined Phone Line, Phone Device, and Subscribe CSS

Answer: C

Explanation:

QUESTION NO: 151

Refer to the exhibit. Which of these statements are true?



- A. 1001 can watch 1002, but not 1003.
- B. 1002 can only watch 1003.
- C. 1003 can only watch 1001.
- D. 1001 can watch 1002 and 1003.
- E. 1002 cannot watch any extension.

Answer: A,C

Explanation:

QUESTION NO: 152

Which three Cisco Unified Communications Manager settings can be used to support IP phone services? (Choose three.)

- A. Device Defaults
- B. Enterprise Parameters
- C. IP Phone Service Configuration window
- D. Common Phone Profile
- E. Service Parameters
- F. Phone Configuration window

Answer: B,D,F

Explanation:

Provisioning mode is controlled via the following settings:

- Enterprise parameter
- Common phone profile
- Phone configuration

Topic 7, Miscellaneous

QUESTION NO: 153

What are three goals of subscriber?

- A. Writebale databse
- B. Place the data to COR

- C. Provides call forwarding
- D. Place the data to CDR
- E. Provides call processing
- F. Provides Admin Rights
- G. Read only database

Answer: D,E,G

Explanation:

QUESTION NO: 154

What process does the Log Partition Monitor use to delete logs in excess of the high-water mark?

- A. If any log files exist in the inactive partition, those files are deleted first, then the oldest files in the active partition are deleted until the low-water mark is reached.
- B. The oldest files in the active partition are deleted until the low-water mark is reached.
- C. If any log files exist in the inactive partition, those files are moved off to an SFTP server and then the oldest files in the active partition are moved off to an SFTP server until the low-water mark is reached.
- D. The log files in the inactive partition are deleted first and then the oldest files in the active partition are moved off to an SFTP server until the low-water mark is reached.

Answer: A

Explanation:

QUESTION NO: 155

Which two methods can be used to build a SIP trunk from the Cisco Unified CallManager to a SIP Registrar server and a backup Registrar server? (Choose two.)

- A. Configure one SIP trunk to point to the SIP Registrar server and a second SIP trunk to point to the backup Registrar server. Use route groups and a route list to allow calls to be routed to the backup Registrar if the primary does not respond.
- B. Add the SIP Registrar server and the backup Registrar server to the Device Pool assigned to the SIP trunk.
- C. Configure a DNS SRV record name as the destination address of the SIP trunk.
- D. Configure only the SIP Registrar Server in the SIP trunk; The UA message will include the IP address of the backup SIP trunk if the call cannot be set up by the SIP Registrar server.
- E. Configure the IP address of the SIP Registrar server as the first destination address of the trunk and the IP address of the backup Registrar server as the second destination address.

Answer: A,C

Explanation:

QUESTION NO: 156 DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in Cisco Services.

Match the proper Cisco Service term with appropriate function.

Options, select from these

Deletes old CDR and CMR files and creates alarms in response to high disk usage	Process incoming requests from customer billing applications
Sends CDR and CMR files to third party billing applications and deletes the local copies of the files once they have been transferred	Deletes the local copies of CDR and CMR files once the files have been transferred

Definitions

CDR Agent
CDR Repository Manager
Cisco SCAP-CDRonDemand Service

Options, place here

Place here
Place here
Place here

Answer:

Options, select from these

Deletes old CDR and CMR files and creates alarms in response to high disk usage

Sends CDR and CMR files to third party billing applications and deletes the local copies of the files once they have been transferred

Process incoming requests from customer billing applications

Deletes the local copies of CDR and CMR files once the files have been transferred

Definitions

CDR Agent

CDR Repository Manager

Cisco SOAP-CDR on Demand Service

Options, place here

Deletes the local copies of CDR and CMR files once the files have been transferred

Deletes old CDR and CMR files and creates alarms in response to high disk usage

Process incoming requests from customer billing applications

Explanation:**Options, select from these**

Deletes old CDR and CMR files and creates alarms in response to high disk usage

Sends CDR and CMR files to third party billing applications and deletes the local copies of the files once they have been transferred

Process incoming requests from customer billing applications

Deletes the local copies of CDR and CMR files once the files have been transferred

Definitions

CDR Agent

CDR Repository Manager

Cisco SOAP-CDR on Demand Service

Options, place here

Deletes the local copies of CDR and CMR files once the files have been transferred

Deletes old CDR and CMR files and creates alarms in response to high disk usage

Process incoming requests from customer billing applications

QUESTION NO: 157 DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in Presence terms.

Match the proper Presence term with appropriate description.

Options, select from these

DoS	Loss of integrity
Loss of privacy	impersonation

Threat

An attacker intercepting the session between two IP telephone users and capturing voice media packets, enabling the call to be listened to in real time or later	Place here
An attacker launching an attack that overwhelms the target device	Place here
An attacker intercepting the session between two IP telephone users and modifying the exchanged packets	Place here
An attacker acting as the Public Switched Telephone Network	Place here

Options, place here

Answer:

Options, select from these

DoS	Loss of integrity
Loss of privacy	impersonation

Threat

An attacker intercepting the session between two IP telephone users and capturing voice media packets, enabling the call to be listened to in real time or later	Loss of integrity
An attacker launching an attack that overwhelms the target device	DoS
An attacker intercepting the session between two IP telephone users and modifying the exchanged packets	Loss of integrity
An attacker acting as the Public Switched Telephone Network	impersonation

Options, place here

Explanation:

Options, select from these

DoS	Loss of integrity
Loss of privacy	impersonation

Threat

An attacker intercepting the session between two IP telephone users and capturing voice media packets, enabling the call to be listened to in real time or later	Loss of integrity
An attacker launching an attack that overwhelms the target device	DoS
An attacker intercepting the session between two IP telephone users and modifying the exchanged packets	Loss of integrity
An attacker acting as the Public Switched Telephone Network	impersonation

Options, place here

QUESTION NO: 158

What is the difference between a CMR and a CDR?

- A.** A CMR is accessed by SOAP and a CDR is accessed by the Cisco Unified CallManager CAR tool.
- B.** A CMR is a set of preconfigured management reports that filter CDR information.
- C.** A CMR record can be sent directly to third party applications while CDR records are only sent to the Cisco Unified CallManager CAR tool.
- D.** A CMR reports on call quality and CDR reports on call activities.

Answer: D

Explanation:

QUESTION NO: 159

You need to configure a new IOS-based Catalyst switch to support voice and data VLANs. The data VLAN will be VLAN 10 and the voice VLAN will be VLAN 100. Which of the following configurations should be used to support these VLANs while also allowing switch port 0/1 to enter the forwarding state immediately?

- A.** R 1(config)# interface FastEthernet 0/1
R 1(config-if)# switchport mode trunk
R 1(config-if)# switchport access vlan 10
R 1(config-if)# switchport aux vlan 100
R 1(config-if)# spanning-tree port-priority
- B.** R 1(config)# interface FastEthernet 0/1
R 1(config-if)# switchport mode access
R 1(config-if)# switchport native vlan 10
R 1(config-if)# switchport aux vlan 100
R 1(config-if)# spanning-tree portfast bpdu filter default
- C.** R 1(config)# interface FastEthernet 0/1
R 1(config-if)# switchport mode trunk
R 1(config-if)# switchport native vlan 10
R 1(config-if)# switchport voice vlan 100
R 1(config-if)# spanning-tree portfast
- D.** R 1(config)# interface FastEthernet 0/1
R 1(config-if)# switchport mode access

```
R 1(config-if)# switchport access vlan 10
R 1(config-if)# switchport voice vlan 100
R 1(config-if)# spanning-tree portfast
```

Answer: D

Explanation:

QUESTION NO: 160

How can the activation status of DNS services be changed?

- A.** DNS activation can only be changed by reinstalling Cisco Unified CallManager.
- B.** DNS activation can be changed at any time.
- C.** DNS activation is on by default and can only be turned off at installation; once DNS activation has been turned off, the system must be reinstalled to turn it back on.
- D.** DNS activation is on by default and cannot be changed, but leaving the DNS server addresses and domain name blank disables the service.

Answer: A

Explanation: Reference. <https://learningnetwork.cisco.com/message/139347#139347>

QUESTION NO: 161

You have recently upgraded to a Cisco Unified CallManager 5.0 cluster. What will happen to users added after the upgrade if you roll back to the inactive partition?

- A.** The user database for the active partition will need to be synchronized with the inactive partition after the inactive partition becomes active to add the new users.
- B.** The active partition maintains a backup copy of the user database that is used when the inactive partition is activated.
- C.** User information will be lost and those users added after the upgrade will need to be reentered.
- D.** The two partitions share a common database. When the inactive partition becomes active, users will already be populated.

Answer: C

Explanation:

Upgrading Cisco Unified CallManager Release 5.0(1)

You can only make changes to the database on the active partition. The database on the inactive partition does not get updated. If you make changes to the database after an upgrade, you must

repeat those changes after switching the partition.

QUESTION NO: 162

What happens by default if the Log Partition Monitor's high-water mark is exceeded?

- A.** An alert is sent to RTMT Alert Central and log files are purged until the low-water mark is reached.
- B.** An e-mail alert is sent to the administrator and logs are purged, starting with those in the inactive partition and followed by the oldest files in the active partition, until the low-water mark is reached.
- C.** An alarm message is sent to the syslog, an alert is generated in RTMT Alert Central, and log files are purged until the low-water mark is reached.
- D.** An e-mail alert is sent to alert the administrator and the system starts to purge log files starting with the oldest first.

Answer: C

Explanation:

Cisco Unified Communications Manager Real-Time Monitoring Tool Administration Guide
LogPartitionHighWaterMarkExceeded (% disk space)

If the percentage of disk usage is above the high water mark that you configured, the system sends an alarm message to syslog, generates a corresponding alert in RTMT Alert Central, and automatically purges log files until the value reaches the low water mark.

QUESTION NO: 163

For phone hardening tasks, which two statements are accurate? (Choose two.)

- A.** By default, Cisco Unified CallManager disables the PC port on all Cisco IP phones that have a PC port. It is possible to enable the PC Port setting in the Phone Configuration window of Cisco Unified CallManager Administration.
- B.** Disabling PC voice VLAN access will cause packets received from the PC port that uses the voice VLAN tag to drop.
- C.** Disabling settings access prohibits access to all the options that are normally displayed when the Settings button on the phone is pressed.
- D.** Disabling settings access automatically sets the current Contrast, Ring Type, Network Configuration, Model Information, Status, and Volume settings to the default for that phone.

Answer: B,C

Explanation:

QUESTION NO: 164

Which of these is the best practice to employ when using certificates between a browser and the Cisco Unified CallManager 5.0 server?

- A.** Use either SSH or CLI to view the thumbprint of the certificate and then communicate the information to all web browser users so they already have it available when they receive the security alert.
- B.** Install thumbprint readers on the devices that need to connect to the Cisco Unified CallManager servers via HTTPS.
- C.** Use SSH exclusively to verify the thumbprint of the certificate and then send the certificate to all web browser users that require access to the server.
- D.** Note the thumbprint of the Cisco Unified CallManager certificates after installation and then communicate the information to all web browser users so they have it available when they receive the security alert.

Answer: D

Explanation:

QUESTION NO: 165

Which two options are functions of Cisco Unified CallManager RTMT? (Choose two.)

- A.** records device-level and port-level information in the gatekeeper table, based on Cisco Unified CallManager alarms
- B.** monitors a preconfigured set of management objects
- C.** generates daily reports on system resources
- D.** stores each H.323 gateway as a device in an H.323 table

Answer: B,C

Explanation:

QUESTION NO: 166

You need to delete and add a new device pool to your Cisco Unified CallManager cluster, but

when you try to delete the existing device pool you receive an error message stating that the device pool is still in use. Which tool can you use to determine which devices are still using the device pool?

- A. the Dial Plan report
- B. Device Pool records
- C. Dependency records
- D. Cisco Unified CallManager group records

Answer: C

Explanation:

QUESTION NO: 167

Which Cisco Unified CallManager RTMT component retrieves real-time information that exists on nodes in the cluster?

- A. Log Partition Monitor
- B. RTMT Java client
- C. Serviceability Reporter
- D. Alert Manager and Collector

Answer: D

Explanation:

CUCM RTMT Administration Guide

Cisco AMC (Alert Manager and Collector) service—This service starts up automatically after the installation and allows RTMT to retrieve real-time information that exists on nodes in the cluster. Cisco Unified Communications Manager automatically assigns the first node as the Primary Collector.

QUESTION NO: 168

Which IP phone hardening technique will prevent call signaling and media stream tampering?

- A. disable GARP
- B. disable PC. to-voice VLAN access
- C. use MIC firmware images signed by Cisco
- D. store IP phone configuration files on the SFTP server
- E. deploy authentication and encryption between IP phones and Cisco Unified Communications

Manager

Answer: E

Explanation:

Chapter 16: Implementing Security in CUCM pg.441

- IP Phone and the server can exchange SCCP or SIP signaling messages in a secure way by using TLS packet authentication and encryption.
- The authenticated and encrypted TLS session ensures the integrity and authenticity of each signaling message that is exchanged between the two devices.

QUESTION NO: 169

Which multiple line appearance parameter sets a number of calls per line beyond which all incoming calls will be forwarded?

- A.** No Answer Ring Duration
- B.** Maximum Number of Calls
- C.** Call Forward Busy
- D.** Busy Trigger

Answer: D

Explanation:

Topic 8, CIPT2

QUESTION NO: 170 DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in trunk types.

Match the proper trunk type with appropriate use.

Options, select from these

gatekeeper-controlled H.225 trunk

gatekeeper-controlled intercluster trunk

Intercluster trunk

SIP trunk

Definitions

Connection between a Cisco Unified CallManager cluster and third party H.323 devices

Connection between multiple Cisco Unified CallManager systems in four clusters

Connection between two Cisco Unified CallManager systems in two clusters

Connection to a VoIP service provider

Options, place here

Place here

Place here

Place here

Place here

Answer:**Options, select from these**

gatekeeper-controlled H.225 trunk

gatekeeper-controlled intercluster trunk

Intercluster trunk

SIP trunk

Definitions

Connection between a Cisco Unified CallManager cluster and third party H.323 devices

Connection between multiple Cisco Unified CallManager systems in four clusters

Connection between two Cisco Unified CallManager systems in two clusters

Connection to a VoIP service provider

Options, place here

gatekeeper-controlled H.225 trunk

gatekeeper-controlled intercluster trunk

Intercluster trunk

SIP trunk

Explanation:

Options, select from these

gatekeeper-controlled H.225 trunk

gatekeeper-controlled intercluster trunk

Intercluster trunk

SIP trunk

Definitions

Connection between a Cisco Unified CallManager cluster and third party H.323 devices

Connection between multiple Cisco Unified CallManager systems in four clusters

Connection between two Cisco Unified CallManager systems in two clusters

Connection to a VoIP service provider

Options, place here

gatekeeper-controlled H.225 trunk

gatekeeper-controlled intercluster trunk

Intercluster trunk

SIP trunk

QUESTION NO: 171

How does the Cisco Unified CallManager use RSVP?

- A. it uses RSVP reservations to request double the bandwidth so calls can flow in both directions
- B. it uses the RSVP-configured bandwidth between sites as a method of determining if there is sufficient bandwidth for a call
- C. it uses an RSVP-enabled infrastructure and an RSVP agent controlled by Cisco Unified CallManager to request a bandwidth reservation from the network in order to place a call
- D. it initiates RSVP reservations from the Cisco Unified CallManager server, which is an active participant in the reservation process

Answer: C**Explanation:****QUESTION NO: 172**

What causes an IP phone to register with the SRST router when the IP WAN fails?

- A. The IP WAN interface on the SRST router goes down and triggers an SRST operation.

- B.** The IP phone loses keepalives from the Cisco Unified CallManager and reregisters with the SRST.
- C.** The SRST sends an INVITE message to the IP phone when the IP WAN fails.
- D.** The SRST router stops receiving keepalives from the Cisco Unified CallManager and falls back to the SRST

Answer: B

Explanation:

QUESTION NO: 173

You have configured SRST at a remote site on an MGCP gateway. During testing, you find that IP phones are not registering with the SRST router when the IP WAN fails.

\ *

Which three potential problems need to be investigated? (Choose three.)

- A.** The ccm-managerfallback-mgcp command is missing in the SRST router.
- B.** No SRST reference address is included in the device pool.
- C.** The max-dn command is missing in the SRST router.
- D.** The max-ephones command is missing in the SRST router.

Answer: B,C,D

Explanation:

QUESTION NO: 174

Which two are requirements for configuring a gatekeeper-controlled intercluster trunk? (Choose two.)

- A.** The assigned name must be unique within the cluster.
- B.** The Cisco Unified CallManager group in the assigned device pool will determine which Cisco Unified CallManager systems register with the gatekeeper.
- C.** RSVP must be enabled to provide CAC between clusters.
- D.** The gatekeeper must be defined in Cisco Unified CallManager before the intercluster trunk is added

Answer: A,D

Explanation:

Topic 9, DRS

QUESTION NO: 175

How many backup sessions can be active at one time in the Disaster Recovery System?

- A. two, one automatic incremental and one scheduled automatic full backup
- B. one, either automatic or manual
- C. two, one automatic and one manual backup
- D. three, one scheduled automatic incremental, one scheduled automatic full backup and one manual backup

Answer: B

Explanation:

QUESTION NO: 176

What is the process used to restore an entire cluster in the event of a catastrophic failure?

- A. Restore the first node by doing a fresh install, restore the first node database from DRS, and then restore the subsequent nodes from the DRS backup location.
- B. Restore the first node from tape or SFTP and then restore each subsequent node.
- C. Restore the first node and then perform a database push to the subsequent nodes in the cluster.
- D. Restore all the nodes in the cluster by means of a fresh install and then restore the features and subcomponents to each server by means of DRS.

Answer: A

Explanation:

Disaster Recovery System Administration Guide

Before you restore a cluster, make sure that all nodes in the cluster are up and communicating with the first node. You must carry out a fresh install for the nodes that are down or not communicating with first node at the time of the restore.

Restoring the first node restores the whole cluster database. This may take up to several hours based on number of nodes and size of database being restored.

If a subsequent node is down or not connected to the cluster during the cluster restore, the

database component restore will skip that node and proceed with the next one. You must carry out a fresh install of Cisco Unified Communications Manager on these subsequent nodes. You can restore the whole cluster as a single operation. The first node and the subsequent nodes do not necessarily need to be restored in two separate operations.

Topic 10, Cvoice

QUESTION NO: 177 DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in CoS values. In this particular scenario a catalyst switch has been configured to trust IP phones. Match the proper Switchassigned CoS Value with appropriate traffic type.

Options, select from these

CoS = 0

CoS = 1

CoS = 2

CoS = 3

CoS = 4

CoS = 5

CoS = 6

CoS = 7

Definitions

Voice signaling traffic

Data traffic

Voice bearer traffic

Options, place here

Place here

Place here

Place here

Answer:

Options, select from these

CoS = 0

CoS = 1

CoS = 2

CoS = 3

CoS = 4

CoS = 5

CoS = 6

CoS = 7

Definitions

Voice signaling traffic

Data traffic

Voice bearer traffic

Options, place here

CoS = 3

CoS = 0

CoS = 5

Explanation:

Options, select from these

CoS = 0

CoS = 1

CoS = 2

CoS = 3

CoS = 4

CoS = 5

CoS = 6

CoS = 7

Definitions

Voice signaling traffic

Data traffic

Voice bearer traffic

Options, place here

CoS = 3

CoS = 0

CoS = 5

QUESTION NO: 178

What is the impact of setting an RSVP policy per location pair with a default interlocation RSVP service policy?

- A. the default interlocation RSVP service policy will be overridden
- B. an RSVP mandatory mid-call retry counter will be added to calls that encounter mid-call retry errors
- C. additional bandwidth capacity will be added to the default interlocation RSVP service policy
- D. the RSVP policy will only be associated with one type of call; for example, if it is associated with video calls, audio calls will not be impacted

Answer: A

Explanation:

QUESTION NO: 179

abc.com Lumber Company phones are configured to use AAR to reroute a call when the call is rejected due to insufficient IP WAN bandwidth. Which AAR configuration parameter will prevent a call originating at a lobby phone from using AAR when CAC rejects the call due to insufficient bandwidth?

- A. disabling AAR for the specific DN
- B. changing the AAR Calling Search Space in the IP phone line settings
- C. changing the AAR Group information
- D. changing the AAR External Phone Number masks

Answer: B

Explanation:

QUESTION NO: 180

You need to establish a connection from your Cisco Unified CallManager cluster to a service provider's registrar server. Which trunk type should you select?

- A. intercluster trunk (non-gatekeeper-controlled)
- B. intercluster trunk (gatekeeper-controlled)
- C. H.225 trunk (gatekeeper-controlled)
- D. SIP trunk

Answer: D

Explanation:

QUESTION NO: 181

You have two clusters with six Cisco Unified CallManager systems in each. How many ICTs must be configured to provide full server redundancy if a gatekeeper is present in the network?

- A. 4
- B. 6

- C. 5
- D. 1

Answer: D

Explanation:

QUESTION NO: 182

abc.com's Bicycles has three manufacturing plants and 145 retail stores. Each of the manufacturing plants has a Cisco Unified CallManager cluster. The retail stores use a mix of Cisco Unified CallManager Express and key systems with gateways. What is the recommended trunk type to use on the Cisco Unified CallManager clusters for full intersite calling capability?

- A. gatekeeper-controlled interclustertrunks
- B. gatekeeper-controlled H.225 trunks
- C. non-gatekeeper-controlled intercluster trunks
- D. SIP trunks

Answer: B

Explanation:

QUESTION NO: 183

What two types of calls can cause the Cisco Unified CallManagerto send an ARQ to a gatekeeper to determine if a call should be routed? (Choose two.)

- A. calls routed to SIP gateways
- B. calls routed to H.323 gateways
- C. calls routed over an intercluster trunk
- D. calls routed to MGCP gateways

Answer: B,C

Explanation:

ARQ not used in SIP or MGCP

QUESTION NO: 184

A dial peer is configured with an outgoing COR list. Which two conditions must be met for calls matching this outbound dial peer to be blocked? (Choose two.)

- A. An incoming COR list must be configured on the matched inbound dial peer.
- B. An incoming COR list must be configured on the matched outbound dial peer.
- C. The outgoing COR list must be a superset of the incoming COR list.
- D. The incoming COR list and the outgoing COR list must contain the same members.
- E. The outgoing COR list must be a subset of the incoming COR list.

Answer: A,E

Explanation:

QUESTION NO: 185

When using 802.3af inline power, what is the default power wattage that the Catalyst switch provides to an IP

phone?

- A. 0 watts
- B. 4 watts
- C. 7 watts
- D. 15.4 watts

Answer: D

Explanation:

Power classification defines these five classes

- 0 (default): 15.4 W reserved
- 1:4 V
- 2:7 W
- 3: 15.4 W
- 4: Reserved for future expansion

QUESTION NO: 186

What is one difference between Cisco inline power and 802.3af PoE?

- A. Cisco inline power should only be activated for those ports that require PoE to avoid oversubscription.
- B. You must determine the total number of IP phones the switch can support with 802.3af to avoid

oversubscription.

C. You must specify which set of pins the powered device is going to accept power on for 802.3af.

D. Cisco inline power provides a variable amount of power by using CDP.

Answer: B

Explanation:

QUESTION NO: 187

In a centralized call-processing solution, there are five sites connected through an IP WAN. To optimize the utilization of the IP WAN, CAC needs to be implemented. How should CAC be implemented?

A. use a gatekeeper to control allocated bandwidth properly

B. use locations CAC with a single location

C. use a gatekeeper and Cisco Unified Border Element to provide CAC to sites that use a combination of SIP and MGCP gateways

D. use a gatekeeper to only control those locations that use H.323 gateways and a Cisco Unified Border Element to control those sites that use MGCP or SIP gateways

E. use locations CAC with five locations in addition to Hub none

Answer: E

Explanation: Incorect answer : ABCD

Explanation : A location setting of Hub_None means that the locations feature does not keep track of the bandwidth that this annunciator consumes

Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmcfg/b06ctirp.html

Topic 11, CIPT2 6.0

QUESTION NO: 188

Which two methods can be used to challenge the identity of an IP phone from a Cisco Unified CallManager server? (Choose two.)

A. digest authentication

B. https

- C. PKI
- D. TLS

Answer: A,D

Explanation:

QUESTION NO: 189

At the very minimum which settings should be set on a Cisco ip phone that is placed in a public Space like a lobby? (Choose two)

- A. Enable GARP
- B. Disable Settings button on the IP phone
- C. Disable PC Port access
- D. disable PC voice VLAN access
- E. Disable Web access on the IP phone

Answer: B,C

Explanation:

QUESTION NO: 190

Which two qualities of PKI key exchange overcome asymmetric cryptography scalability issues? (Choose two.)

- A. the trusted introducer uses the signed certificates of the endpoints that need to communicate
- B. the introducer digitally signs the public key of the user with the public key of the introducer to generate a signed certificate
- C. only the public key of the introducer has to be initially known and verified by all other entities
- D. pki uses only a single trusted introducer

Answer: C,D

Explanation:

Chapter 14: Understanding Cryptographic Fundamentals and PKI pg. 374

A PKI does not eliminate the need for authenticity when you exchange public keys in an asymmetric encryption environment, but it solves the scalability issues associated with that process.

A PKI uses the concept of a single, trusted introducer. Instead of securely exchanging all public keys among all devices, only the public key of the trusted introducer has to be securely distributed to all devices. This exchange is usually done by downloading the public key and then verifying it

out of band.

Topic 12, Mixed Questions

QUESTION NO: 191

If there are media resources that are not assigned to a Media Resource Group, in which situation would a device be allowed to use these devices?

- A. if the device were not assigned to a specific media resource group
- B. if after looking through the Media Resource Group Lists no media resources were available, then the devices in the NULL media resource group would be used
- C. If the device were assigned to the NULL media resource group
- D. If after exhausting the search of Media Resource Group Lists in the media resource group, the devices in the NULL media resource group would be used

Answer: B

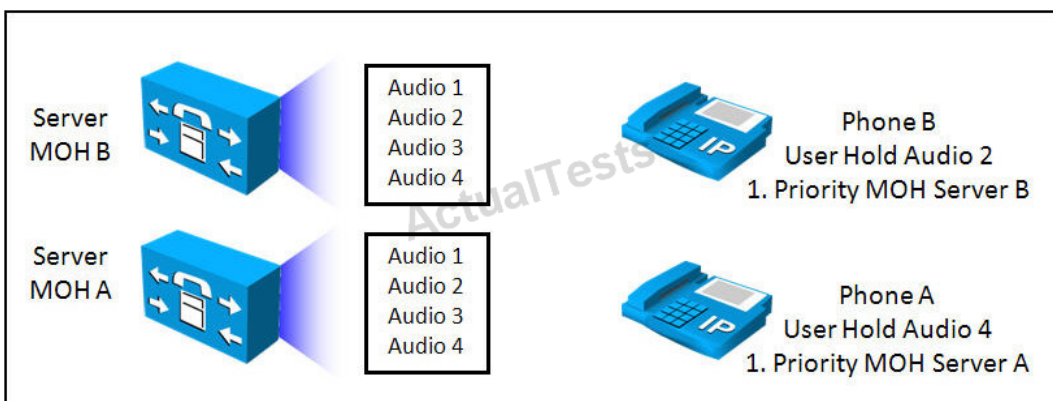
Explanation:

Link :

www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a05media.html#wp1065448

Reference : Cisco Unified Communications Manager System Guide Release 8.5(1) , page-279

QUESTION NO: 192



Refer to the exhibit. Phone A places Phone B on hold. Which two of these identify the audio stream that will be heard and from which server it will be played? (Choose two.)

- A. Audio 1
- B. Audio 2
- C. Audio 3
- D. Audio 4
- E. Server A
- F. Server B

Answer: D,F

Explanation:

QUESTION 3

Which four of these media resources can be hardware-based in Cisco Unified Communication Manager?

- A. MOH
- B. voice termination
- C. MTP
- D. annunciator
- E. transcoding
- F. audio conferencing

Answer: ACF

You can start the Cisco IP Voice Media Streaming Application to activate the following media resources:

- Audio conference bridge
- MIP
- Annunciator
- MOH

The following media resources are available only in hardware:

- Transcoder
- Voice termination

Hardware media resources can also offer audio conferencing and MTP media. MOH is a special case. It works only in remote sites, in the Survivable Remote Site Telephony (SRST) mode of a router.

QUESTION NO: 193

Where is toll-fraud prevention configured in CUCM?

- A. partitions and CSS
- B. enterprise parameters
- C. route patterns
- D. service parameters

Answer: D

Explanation:

QUESTION NO: 194

Which three of These Media Resources Can Be based hardware?

- A. Voice Termination
- B. MOH
- C. Annunciator
- D. Audio Conference
- E. Transcoder
- F. MTP

Answer: A,B,E

Explanation: MoH is a special case. Because of the potential WAN bandwidth utilization of MOH, the multicast streams of the server are normally scoped at the headquarters.

SRST can stream one media resource at branch locations.

REF. Cisco Press CIPT1 Foundation Learning Guide, Second Edition pg 354.

QUESTION NO: 195

Which component is required when deploying Music on Hold with recorded or live audio?

- A. Any sound card compatible with the MCS server

- B. Media Termination Point
- C. Conferencing resources
- D. Cisco MOH USB sound card
- E. Transcoder

Answer: D

Explanation: Link : http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/8x/media.html

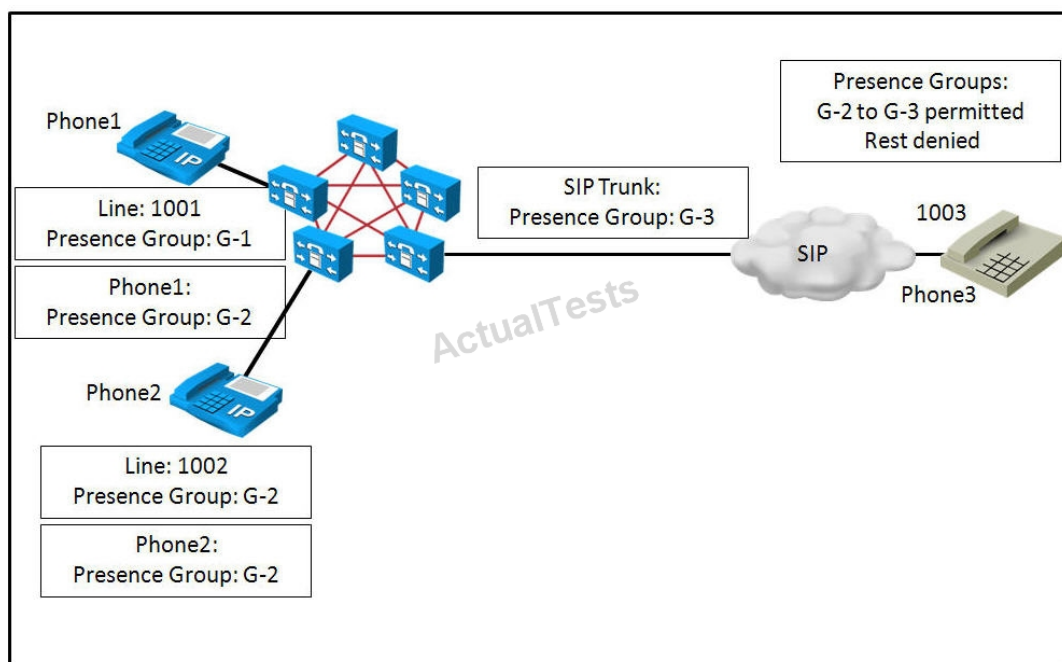
Reference : Cisco Unified Communications System Release 8.x SRND , page- 797.

Explanation : A Unified CM MoH server can generate a MoH stream from the following two types of sources:

- An audio file uploaded to the Unified CM MoH server
- A fixed (live) music source through a USB sound card

QUESTION NO: 196

Refer to the Exhibit



Which two of these statements about call lists enabled for Cisco Unified Presence are true?
(Choose two)

- A. 1001 can watch 1002
- B. 1001 cannot watch 1003
- C. 1002 can watch 1001

- D. 1002 can watch 1003
- E. 1003 can watch 1001

Answer: A,D

Explanation:

QUESTION NO: 197

Where is toll-fraud prevention configured in Cisco Unified Communications manager?

- A. Route lists
- B. Enterprise parameters
- C. Route patterns
- D. Service parameters

Answer: D

Explanation:

QUESTION NO: 198 DRAG DROP

Drag the definition of the resource on the left to the media resource type on the right No1 all media resources are used.

reeced when an incoming or outgoing
TDM call is created by a gateway

converts streams from one codec to another

streams spoken messages or various call
progress tones from the systme to a user

supports single mode conferences using
the G7.1 coccc

Transcoding

Annunciator

Voice Termination

Hardware Conferencing

Software Conferencing

Drag and drop question. Drag the items to the proper locations.

Drag the definition of the resource on the left to the media resource type on the right. No1 all media resources are used.

Answer:

received when an incoming or outgoing TDM call is created by a gateway	Transcoding converts streams from one codec to another
converts streams from one codec to another	Annunciator streams spoken messages or various call progress tones from the system to a user
streams spoken messages or various call progress tones from the system to a user	Voice Termination received when an incoming or outgoing TDM call is created by a gateway
supports single mode conferences using the G7.1 codec	Hardware Conferencing
	Software Conferencing supports single mode conferences using the G7.1 codec

Explanation:

Transcoding

converts streams from one codec to another

Annunciator

streams spoken messages or various call progress tones from the system to a user

Voice Termination

occurs when an incoming or outgoing TDM call is created by a gateway

Hardware Conferencing**Software Conferencing**

supports single mode conferences using the G7.1 codec

QUESTION NO: 199

Which two of these media resources are available only in hardware? (Choose two.)

- A. transcoding
- B. audio conferencing
- C. MTP
- D. annunciator
- E. MOH
- F. voice termination

Answer: A,F

Explanation:

QUESTION NO: 200 DRAG DROP

Click and drag the MoH server parameter on the left to its description on the right. Not all parameters apply.

Run Flag	in conjunction with a sound card, allows you to use a live radio broadcast for MoH
MoH Enabled	enables the number of devices that can be a source of multicast music
Enable Base Multicast	determines the number of devices to which a server can provide a unicast audio stream
Maximum Multicast Connections	when set to 'NO', MoH is not provided, when set to 'YES' MoH is enabled
Fixed Audio Source Device	
Maximum Half Duplex Streams	

Drag and drop question. Drag the items to the proper locations.

Answer:

Run Flag	Fixed Audio Source Device
MoH Enabled	Maximum Multicast Connections
Enable Base Multicast	Maximum Half Duplex Streams
Maximum Multicast Connections	Run Flag
Fixed Audio Source Device	
Maximum Half Duplex Streams	

Explanation:

Run Flag	Fixed Audio Source Device
MoH Enabled	Maximum Multicast Connections
Enable Base Multicast	Maximum Half Duplex Streams
Maximum Multicast Connections	Run Flag
Fixed Audio Source Device	
Maximum Half Duplex Streams	

QUESTION NO: 201

Which two of these are characteristics of multicast music on hold? (Choose two.)

- A. point-to-multipoint, two-way audio stream
- B. separate audio stream for each connection
- C. multiple audio streams that require multiple multicast IP addresses
- D. support for all codecs that are also supported by Cisco Unified Communications Manager servers
- E. conservation of system resources and bandwidth
- F. the requirement that there always be a dedicated MOH server

Answer: C,E

Explanation:

QUESTION NO: 202 DRAG DROP

Click and drag the function of the left to the type of barge that it indicates.

cannot add additional callers

all call participants have the same features available

does not change the original call information display

parties on the call hear a tone and brief interruption in the call

other parties on the call can hear a beep tone announcing the presence of the new participant

allows third parties to join an in-process call, thereby converting the call to a standard conference call

Barge

cBarge

Drag and drop question. Drag the items to the proper locations.

Click and drag the function of the left to the type of barge that it indicates.

Answer:

cannot add additional callers

all call participants have the same features available

does not change the original call information display

parties on the call hear a tone and brief interruption in the call

other parties on the call can hear a beep tone announcing the presence of the new participant

allows third parties to join an in-process call, thereby converting the call to a standard conference call

Barge

cannot add additional callers

does not change the original call information display

other parties on the call can hear a beep tone announcing the presence of the new participant

cBarge

all call participants have the same features available

parties on the call hear a tone and brief interruption in the call

allows third parties to join an in-process call, thereby converting the call to a standard conference call

Explanation:



When the cBarge softkey, or a shared-line, gets pressed, a barge call gets set up by using the shared conference bridge, if available. The original call gets split and then joined at the conference bridge, which causes a brief media interruption.

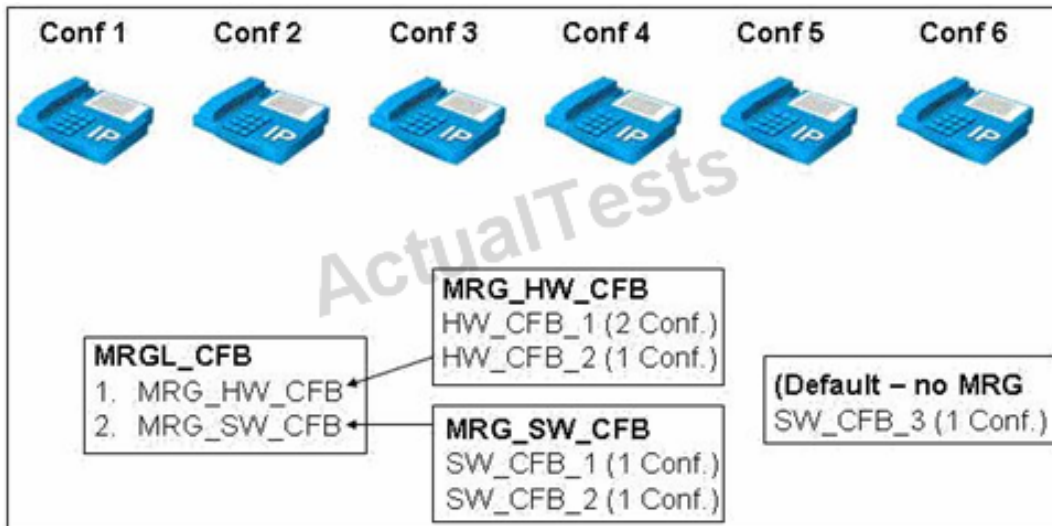
This means that BargeE. "parties on the call hear a tone and brief interruption on the call" should be in cBarge box.

http://www.cisco.com/en/US/docs/voice_ip_comm/cucmbe/admin/7_1_2/ccmfeat/fsbarge.html#wp1033166

Barge: Cannot add additional callers
does not change the original call info display
Other parties on the call can hear a beep tone announcing the presence of the new participant
cBarge
all call participants have the same features available
parties on the call hear a tone and brief interruption in the call
allows third parties to join an in-process call, thereby

QUESTION NO: 203

Exhibit:



Refer to the exhibit. You have six IP phones making six conference calls. Which conference resource will Conference 4 use?

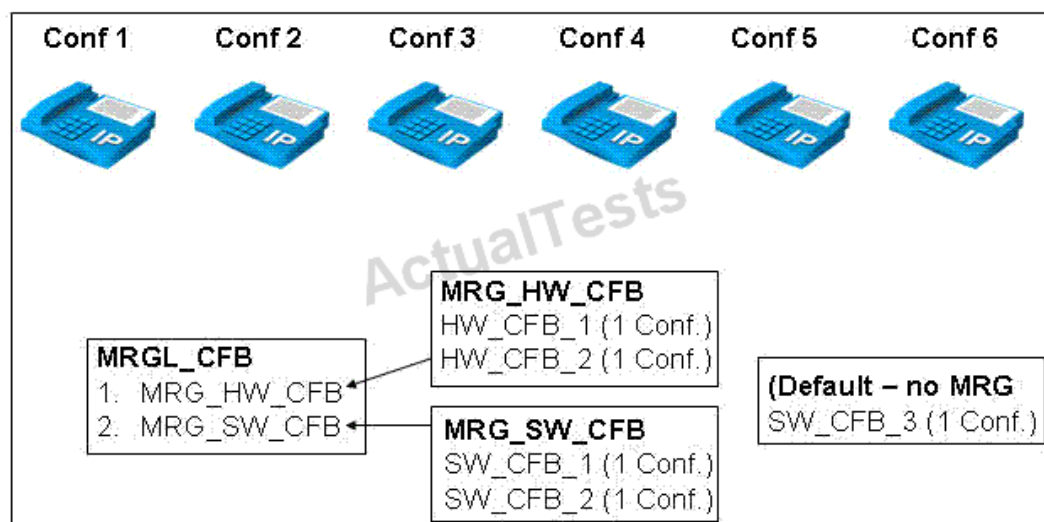
- A. HW_CFB_1
- B. HW_CFB_2
- C. SW_CFB_1
- D. SW_CFB_2
- E. SW_CFB_3

Answer: C

Explanation: There's no way SW_CFB_2 be the media resource used for the 4th conference, because SW_CFB_1 is the first option in MRG_SW_CFB after the 3 first conferences using the three resources in MRG_HW_CFB.

QUESTION NO: 204

Refer to the exhibit. You have six IP phones configured to use MRGL_CFB. There are currently five conferences in progress. What will happen if the sixth IP phone tries to initiate a conference?



- A. the conference will use SW_CFB_3 since it is the default and is not assigned to MRGL_CFB
- B. the conference will be attempted until the MRGL timer expires
- C. the first conference resource that becomes available will be used for conference 6
- D. the conference will be rejected because there are no conference resources left

Answer: D

Explanation:

QUESTION NO: 205

You want to deploy a mixture of unicast and multicast MOH streams. You need to configure 12 multicast streams, each supporting two codecs. How many unicast streams can be configured, assuming 250 is the maximum number of MOH streams supported on your MOH server?

- A. 204
- B. 214
- C. 226
- D. 250
- E. 202

Answer: C

Explanation: Maximum Half Duplex Streams determine the number of devices that can be placed on unicast

MOH. The parameter should be set to the value derived from the following formula.

(Server Capacity) - [(Number of Multicast MOH sources) x (Number of MOH codecs enabled)]

$250 - [12 \times 2] = 250 - 24 = 226$

REF. Cisco Press CIPT1 Foundation Learning Guide, Second Edition, pg 374

QUESTION NO: 206

A single route pattern has been added to Cisco Unified Communications Manager to use the NANP. A route filter named Local_Only has been applied to limit calls to local and service numbers only. The Local_Only route filter includes the clause (LOCAL-AREA. CODE EXISTS AND SERVICE EXISTS). After applying the Local_Only route filter, no calls to the PSTN can be completed. What needs to be done to correct this issue?

- A.** Two separate route filters need to be applied to the route pattern, one for local calls and one for services.
- B.** The route pattern needs to be added twice, once with a route filter for local calls and once with a route filter for services.
- C.** Route filters cannot be used to allow multiple call types. Specific route patterns for local calls and services need to be added.
- D.** The route filter clause should be changed to (LOCAL-AREA. CODE DOES-NOT-EXIST AND SERVICES DOES-NOT-EXIST) and the route pattern should be set to block calls.)
- E.** The route filter clause should be changed to (LOCAL-AREA. CODE EXISTS OR SERVICES EXISTS).

Answer: B

Explanation:

QUESTION NO: 207

What happens when you try to configure a fourth member of a Cisco Unified Communications Manager group?

- A.** The fourth member will be added to the sequential list.
- B.** The new member will replace the first member on the list.
- C.** The new member will replace the last member on the list.
- D.** Cisco Unified Communications Manager Administration will display an error message.

Answer: D

Explanation:

QUESTION NO: 208

ABC Company has four locations total, all connected via an IP WAN. Each location has a Cisco Unified Communications Manager cluster, and the headquarters cluster is connected to all other clusters via intercluster trunks. ABC wants to allow up to eight simultaneous calls across the IP WAN. To call between sites, an employee dials a 2-digit access code plus a 4-digit extension. If more than eight calls are made, or if the IP WAN is not available, calls should be sent to ABC Company's preferred long-distance carrier. If the trunk to the long-distance carrier is not available, the local provider should be used. The long-distance carrier requires 10 digits to complete a long-distance call. The local provider requires 11 digits to complete a long-distance call but only 7 digits for local calls.

What is the minimum number of route lists required at the headquarters location?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: C

Explanation:

QUESTION NO: 209

What is the purpose of route filters?

- A. to reduce the size of the calling search space
- B. To reduce the number of dial peers required
- C. to limit the number of reachable destinations
- D. To reduce the number of route patterns added to the route plan
- E. to block calls to matching route patterns

Answer: D

Explanation:

QUESTION NO: 210 DRAG DROP

Click and drag the type of toll fraud on the left to the appropriate solution on the right.

external to external calls	implement FAC
external to external calls through an internal facilitator	apply appropriate calling search spaces and partitions
employees placing unauthorized long distance calls	classify route patterns as on-net or off-net
using Call Forward All to send calls to a vacation home	drop ad hoc conference calls

Drag and drop question. Drag the items to the proper locations.

Click and drag the type of toll fraud on the left to the appropriate solution on the right.

Answer:

external to external calls	employees placing unauthorized long distance calls
external to external calls through an internal facilitator	using Call Forward All to send calls to a vacation home
employees placing unauthorized long distance calls	external to external calls
using Call Forward All to send calls to a vacation home	external to external calls through an internal facilitator

Explanation:

external to external calls	employees placing unauthorized long distance calls
external to external calls through an internal facilitator	using Call Forward All to send calls to a vacation home
employees placing unauthorized long distance calls	external to external calls
using Call Forward All to send calls to a vacation home	external to external calls through an internal facilitator

QUESTION NO: 211

Which dial rule pattern for Cisco 7905_7912 IP phones will allow the user to dial a 9 for local access, wait for a secondary dial tone, and then dial a seven digit number?)

- A. 9404.....
- B. 9,**
- C. 9,770t5-.....
- D. 9,770.....#

Answer: B

Explanation:

QUESTION NO: 212

An auto parts retailer would like its six service counter representatives to be able to assist both walk-up customers and telephone customers. Each store has six service counter representatives. Which call distribution algorithm will allow each service counter representative to provide the best customer service?

- A. Top Down
- B. Circular
- C. Longest Idle Time
- D. Broadcast

Answer: D

Explanation:

QUESTION NO: 213

Which three steps must be completed in order to assign a service URL to an IP Phone button? (Choose three.)

- A. Add an IP phone service.

- B. Assign the IP phone service partition to the CSS of the phone.
- C. Create a phone button template that includes a service URL and assign it to the phone.
- D. Create a softkey template that includes a service URL and assign it to the phone.
- E. Subscribe the phone to the service.
- F. Associate a valid user profile with the phone.

Answer: A,C,E

Explanation:

QUESTION NO: 214

Which two options describe how the Cisco Unified Communications Manager Auto-Register Phone Tool updates auto-registering IP phones? (Choose two.)

- A. An administrator can schedule when auto-registered phones can dial in to the Cisco Unified Communications Manager Auto-Register Phone Tool directory number.
- B. A new phone can dial in to the Cisco Unified Communications Manager Auto-Register Phone Tool directory number to manage the device user profile.
- C. A new phone can dial in to the Cisco Unified Communications Manager Auto-Register Phone Tool directory number to update its MAC address in Cisco Unified Communications Manager and download the correct configuration file
- D. A replacement phone can dial in to the Cisco Unified Communications Manager Auto-Register Phone Tool directory number to register with Cisco Unified Communications Manager.
- E. A replacement phone can dial in to the Cisco Unified Communications Manager Auto-Register Phone Tool directory number to download the configuration for the phone it replaces.

Answer: C,E

Explanation:

QUESTION NO: 215

Which three functions does the Master Agent perform? (Choose three.)

- A. interfaces with the DRS agent on the Administrator PC
- B. controls backup and restoration of the system
- C. communicates with archive devices
- D. executes backup and restore tasks
- E. acts as a backup repository
- F. stores DRS configuration

Answer: B,C,F

Explanation:

Duties That the Master Agent Performs

The Master Agent (MA) performs the following duties:

- The MA stores systemwide component registration information.
- The MA maintains a complete set of scheduled tasks in the database. When it receives updates from the user interface, the MA sends executable tasks to the applicable Local Agents, as scheduled. (Local Agents execute immediate-backup tasks without delay.)
- You access the MA through the Disaster Recovery System user interface to perform activities such as configuring backup devices, scheduling backups by adding new backup schedules, viewing or updating an existing schedule, displaying status of executed schedules, and performing system restoration.
- The MA stores backup data on a locally attached tape drive or a remote network location.

Duties That Local Agents Perform

The Local Agent runs backup and restore scripts on the server.

In a cluster, the Local Agent runs backup and restore scripts on each node in the cluster.

QUESTION NO: 216

Which configuration parameter may need to be adjusted when the Region setting is changed?

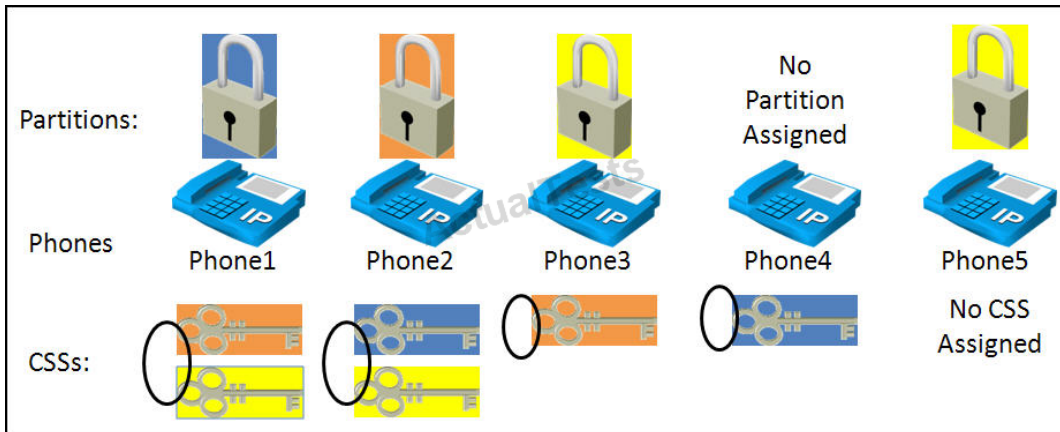
- A. Device Pool
- B. Class of Control
- C. AAR Group
- D. Location

Answer: D

Explanation:

QUESTION NO: 217

Refer to the Exhibit.



Which phones can Phone 1 reach?

- A. Phone 2
- B. Phone 3
- C. Phone 4
- D. Phone 5
- E. Phone 2 and Phone 3
- F. Phone 4 and Phone 5
- G. Phone 2, Phone 3 and Phone 4
- H. Phone 2, Phone 3, Phone 4 and Phone 5

Answer: H

Explanation:

QUESTION NO: 218

Which of these media resources can be configured in Cisco Unified Communications Manager? (Choose three.)

- A. MOH Server
- B. Voice Termination Point DSP
- C. Transcoder
- D. Auto Attendant
- E. Conference Bridge

Answer: A,C,E

Explanation:

QUESTION NO: 219

Refer to the Exhibit.

```
!  
ccm-manager redundant-host 10.1.5.3  
ccm-manager mgcp  
ccm-manager fax protocol cisco  
ccm-manager config  
!  
mgcp  
mgcp call-agent 10.1.5.2 2427 service-type mgcp  
version 0.1  
no mgcp package-capability res-package  
no mgcp timer receive-rtcp  
mgcp fax t38 ecm  
!  
mgcp profile default  
!
```

A Cisco Unified Communications Manager group is configured with the subscriber (10.1.5.3) listed first and the publisher (10.1.5.2) listed second. Which Cisco Unified Communications Manager is used for incoming calls through an MGCP gateway?

- A. the publisher
- B. both the publisher and subscriber in a round-robin format
- C. the first server listed in the Cisco Unified Communication Manager group list
- D. the subscriber

Answer: A

Explanation:

QUESTION NO: 220

When Cisco Unified Communications Manager software is installed on a Cisco MCS server, which level of access does it provide for the customer to the operating system of the server?

- A. CLI and GUI access.
- B. CLI access only
- C. GUI access only
- D. no access

E. access only through an interface controlled by Cisco TAC

Answer: D

Explanation:

QUESTION NO: 221

What are the two benefits of using SIP dial rules on an IP phone? (Choose two)

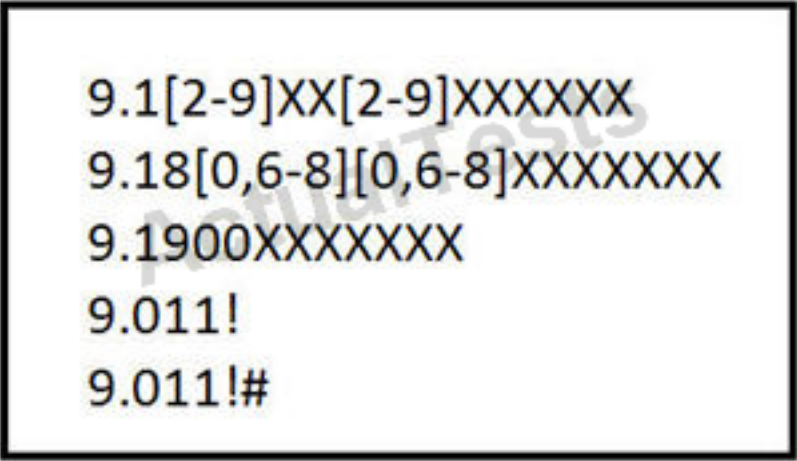
- A. The phone can initiate dialing without sending any signaling messages to Cisco Unified Communications Manager.
- B. The phone can detect invalid numbers and play a reorder tone without sending any signaling messages to Cisco Unified Communications Manager.
- C. If dialed digits match an entry of a SIP dial rule, the dialed string is sent in a single SIP 200 OK message to Cisco Unified Communications Manager.
- D. If Cisco Unified Communications Manager requires more digits, KPML can be used to send the remaining digits from the SIP phone to Cisco Unified Communications Manager one-by-one.
- E. If Cisco Unified Communications Manager requires more digits, another en bloc message is used to send the remaining digits from the SIP.

Answer: B,D

Explanation:

QUESTION NO: 222

Refer to Exhibit.



9.1[2-9]XX[2-9]XXXXXX
9.18[0,6-8][0,6-8]XXXXXX
9.1900XXXXXX
9.011!
9.011!#

To reach an external number, a user first dials a 9. Which route pattern will be matched if a user dials an international number 011442288223001 and terminates the interdigit timeout?

- A. 9.1[2-9]XX[2-9]XXXXXX
- B. 9.18[0, 6-8][0, 6-8]XXXXXX
- C. 9.1900XXXXXX
- D. 9.011!
- E. 9.011!#

Answer: E

Explanation:

QUESTION NO: 223

Which two of these describe Meet-Me conferencing? (Choose two)

- A. The conference originator of the conference acts as the controller of the conference and is the only participant who can add or remove other participants.
- B. Any participant can add and remove other conference participants.
- C. Anyone who has calling privileges to call the directory number while the conference is active can join the conference.
- D. Multiple ad hoc conference can be added.
- E. A range of directory numbers must be allocated for exclusive use by the conference.

Answer: C,E

Explanation:

QUESTION NO: 224

Managers have asked to be able to have an extension call them back if it is busy when they try to call it. In what two places can this feature be assigned to the Managers phone? (Choose Two)

- A. Device Setting > Device Defaults
- B. Device Setting > Phone button Template
- C. Device Setting > Firmware Load Information.
- D. Device Setting > Default Device Profile Configuration.
- E. Device Setting > Device Profile.
- F. Device Setting > Softkey Template.

Answer: E,F

Explanation:

QUESTION NO: 225

When CUCM is installed, how can the Customer Use the Operating system?

- A. GUI and CLI
- B. CLI
- C. GUI
- D. none
- E. OS can be accessed by CISCO TAC only

Answer: A

Explanation:

QUESTION NO: 226

What function does the device pool perform?

- A. it provides a single point of configuration for every device in a Cisco Unified Communications Manager cluster.
- B. it separates user and physical location information.
- C. it sets the location bandwidth used between different locations.
- D. it sets the default device parameters for all IP phones in the cluster.

Answer: B

Explanation:

QUESTION NO: 227

Which setting in Cisco Unified Communications Manager can IP Phone Services be configured for Enterprise subscription?

- A. Device Defaults.
- B. Enterprise Parameters.
- C. Phone Services Configuration.
- D. Common Phone Profile.
- E. Service Parameters

F. Phone Configuration.**Answer: C****Explanation:****QUESTION NO: 228**

When a user dials a telephone number from a Type A SIP phone, how are the digits analyzed by Cisco Unified Communications Manager if no SIP dial rules are configured?

- A.** With a Type A SIP phone the digits are only sent en bloc.
- B.** If there are no dial rules present and the user uses the Dial softkey the digits are sent to the Cisco Unified Communications Manager digit-by-digit.
- C.** When no dial rules are present, digits are sent to the Cisco Unified Communications Manager digit-by-digit.
- D.** When no dial rules are present, digits are sent to the Cisco Unified Communications Manager en bloc.

Answer: D**Explanation:****QUESTION NO: 229**

Refer to the exhibit.

Incoming Calling Party Settings

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unless the field is empty in which case there is no prefix assigned.

Number Type	Prefix	Strip Digits	Calling Search Space	Use Device Pool CSS
National Number		0	< None >	☐
International Number	+	2	Trans_CLID_CSS	☐
Unknown Number		0	< None >	☐
Subscriber Number	+1408	0	Trans_CLID_CSS	☒

**Trans_CLID_CSS – Match pattern: \+4922!
DDI: Pre Dot – Prefix +4912**

Device Pool CSS - Default

What is the output displayed on the IP phone when the incoming calling number is 00492288224002 and has a TON = unknown?

A. +492288224002

- B. 00492288224002
- C. 00491288224002
- D. +49128822400
- E. +49122288224002
- F. 491288224002

Answer: B

Explanation:

QUESTION NO: 230

What are two characteristics of a partition? (Choose two.)

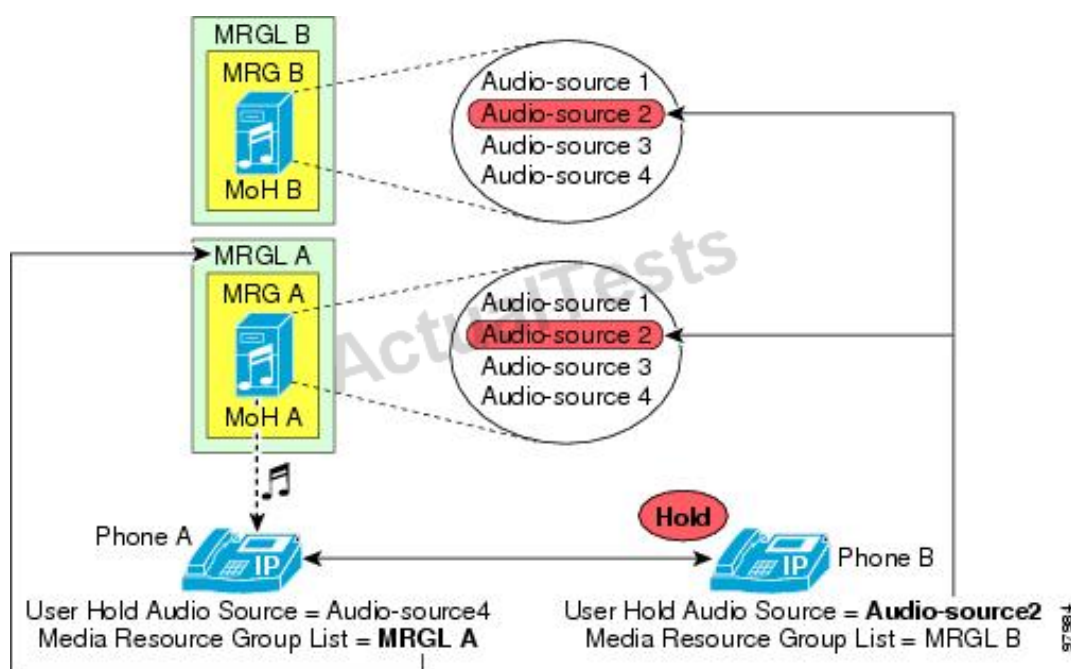
- A. Assigned to sources of call routing requests
- B. Any group of numbers with the same reachability
- C. Used in conjunction with calling search spaces to track calls to certain numbers
- D. Used in conjunction with calling search spaces to restrict outgoing calls to certain numbers
- E. Contains calling search spaces

Answer: B,D

Explanation:

QUESTION NO: 231

Refer to the exhibit.



Phone A places Phone B on hold. Which two of these identify the audio stream that will be heard and from which server it will be played? (Choose two.)

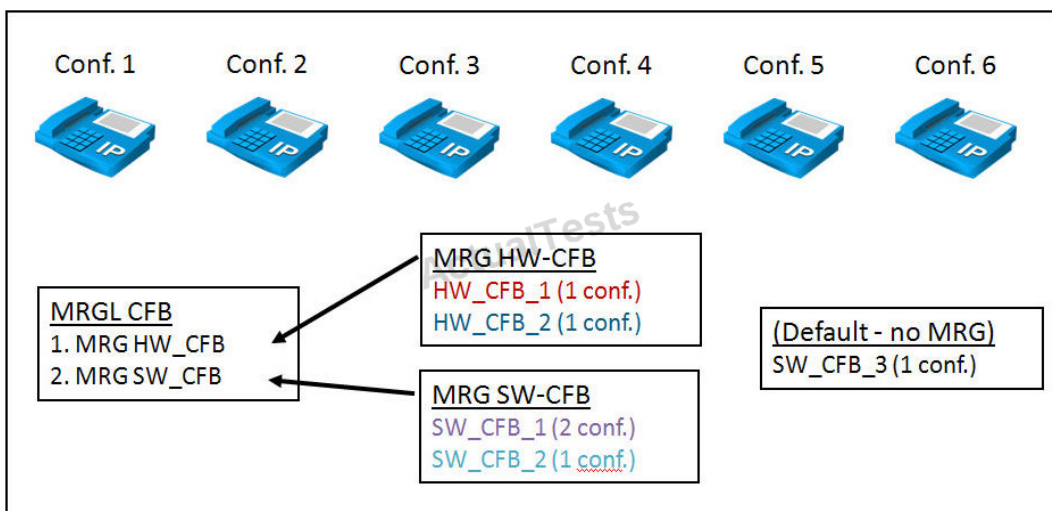
- A. Audio 1
- B. Audio 2
- C. Audio 3
- D. Audio 4
- E. Server A
- F. Server B

Answer: D,F

Explanation:

QUESTION NO: 232

Refer to the exhibit.



Which conference resource is Conference 2 using assuming the MRGL has just been reset and all 6 conferences have become active?

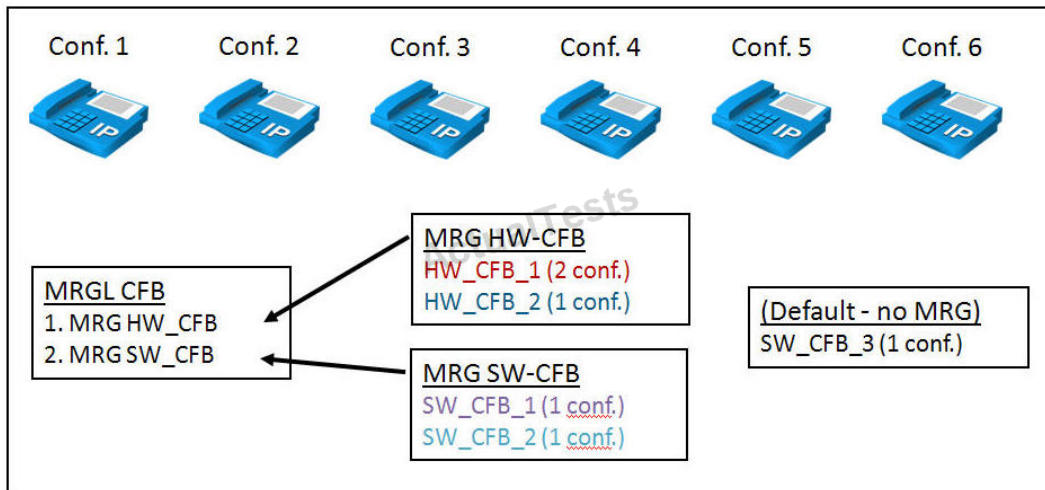
- A. HW_CFB_1
- B. HW_CFB_2
- C. SW_CFB_1
- D. SW_CFB_2
- E. SW_CFB_3

Answer: A

Explanation:

QUESTION NO: 233

Refer to the exhibit.



Which conference resource is Conference 3 using assuming that the MRGL has just been reset and all 6 conferences have become active?

- A. HW_CFB_1
- B. HW_CFB_2
- C. SW_CFB_1
- D. SW_CFB_2
- E. SW_CFB_3

Answer: C

Explanation: When all 6 conferences have become active. HW_CFB_1 would be the first conference, HW_CFB_2 the second conference and SW_CFB_1 the third conference.

QUESTION NO: 234

If there are media resources that are not assigned to a media resource group, in what situations would a device be allowed to use these media resources?

- A. If the resource was not assigned to a specific media resource group, then no device can access these media resources.
- B. If after looking through the media resource group list no media resources were available, then

the resources in the NULL media resource group would be used.

C. If the media resource was manually assigned to the NULL media resource group

D. After exhausting the search of media resource groups lists the first listed device in the first media resource group would be used.

Answer: B

Explanation:

QUESTION NO: 235

Users that are subscribed to the default corporate directory are complaining that when they press the Directories button, they receive an error message regarding the URL. Which two parameters need to be edited? (Choose two.)

A. Reset the Service Parameter > Phone URL Parameters.

B. Reset the Enterprise Phone URL Parameters.

C. Select the Service Parameter for the appropriate server and Cisco CallManager (active) and change the URLs for each service to match the DNS name or IP address of the server being configured.

D. Change the URL under URL Directories field under Enterprise Parameters to match the DNS name or the IP address being used by the server and reset the IP phones.

E. Verify that the corporate directory service has the Enabled check box checked in the IP Phone Services Configuration.

F. Verify that the corporate directory has the Enabled check box checked in the Enterprise Parameter > Phone URL Parameters page.

Answer: D,E

Explanation:

QUESTION NO: 236

Which three of these are enterprise parameters? (Choose three.)

A. phone URL parameters

B. codecs parameters for voice media-streaming applications

C. T302 parameter

D. User search limit

E. Enable Call Detail Records

F. Enable Dependency Records

Answer: A,D,F

Explanation:

QUESTION NO: 237

Which Cisco Unified Communications Manager tool would be the most appropriate to use to manage phones that autoregister?

- A. DRF
- B. BAT
- C. TAPS
- D. BPS

Answer: C

Explanation:

QUESTION NO: 238

What is required so that submitted Cisco Unified Communications Manager BAT jobs can be executed properly?

- A. Upload a CSV file.
- B. Create a CSV file.
- C. Submit the Unified Communications Manager BAT job for execution.
- D. Activate the Bulk Provisioning Service on the first node in the cluster.
- E. Download the Unified Communications Manager BAT template from Cisco Unified Communications Manager.

Answer: D

Explanation:

QUESTION NO: 239

Which of these methods can be used to implement toll-fraud prevention?

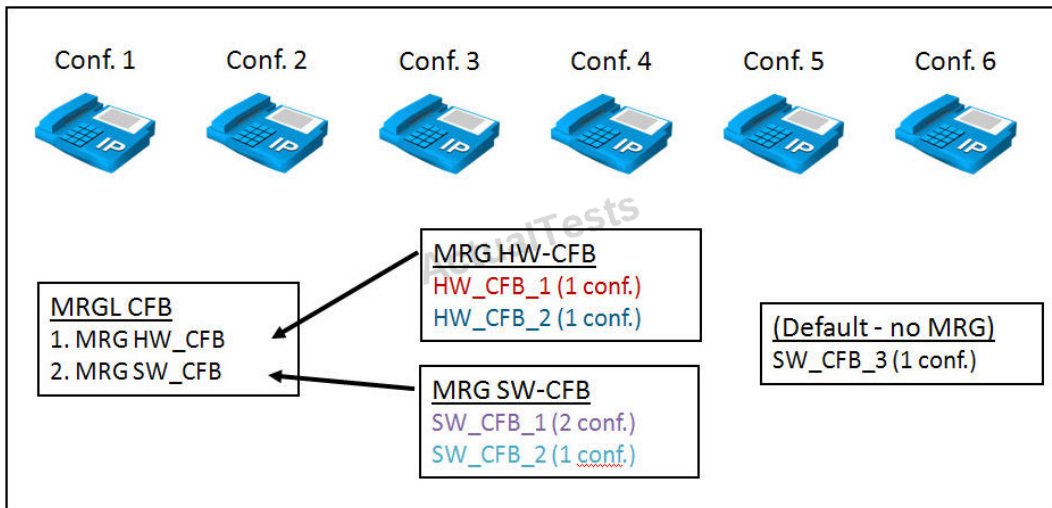
- A. drop conferences when only two attendees remain
- B. block on-net to on-net calls
- C. deploy conferencing resources to only those employees that require the service
- D. drop conferences when no on-net party remains

Answer: D

Explanation:

QUESTION NO: 240

Refer to the exhibit.



Which conference resource will conference 6 use?

- A. HW_CFB_1
- B. HW_CFB_2
- C. SW_CFB_1
- D. SW_CFB_2
- E. SW_CFB_3

Answer: E

Explanation:

QUESTION NO: 241

Which of these is used for call and directory lists that are enabled for native Presence in Cisco Unified Communications Manager?

- A. Subscribe CSS and Presence groups
- B. Presence groups and Phone Line CSS
- C. Presence groups and Phone Device CSS

- D. only Presence groups
- E. Subscribe CSS only

Answer: A

Explanation:

QUESTION NO: 242

What is the default differentiated services code point value assigned to the voice control traffic in Cisco Unified CallManager Version 4.0 or later?

- A. 28
- B. 31
- C. 26
- D. 24

Answer: D

Explanation:

QUESTION NO: 243

When you configure Cisco Unified Communications Manager clustering over an IP WAN, what is the maximum amount of round-trip delay that is allowed between two Unified Communications Manager servers?

- A. 40 ms
- B. 150 ms
- C. 80 ms
- D. 200 ms

Answer: C

Explanation:

QUESTION NO: 244

When you configure Cisco Unified Communications Manager redundancy groups, what is the maximum number of Cisco Unified Communications Manager systems that can exist within a single group?

- A. 3
- B. 7
- C. 8
- D. 2

Answer: A

Explanation:

QUESTION NO: 245

What should you use to assign devices to a Cisco Unified Communications Manager group?

- A. redundancy group
- B. device pool
- C. device group
- D. assignment group

Answer: B

Explanation:

QUESTION NO: 246

When you configure DHCP in a Cisco Unified Communications Manager deployment, what is the recommended number of TFTP servers that should be issued to an IP phone?

- A. 2
- B. 3
- C. 1
- D. 6

Answer: A

Explanation:

QUESTION NO: 247

If the primary Cisco Unified Communications Manager in a group fails, what happens to the devices that were configured to use the primary Unified Communications Manager?

- A. All devices are disconnected.
- B. All devices connect to the next listed Cisco Unified CallManager in the group.
- C. All devices randomly select a Cisco Unified CallManager in the group.
- D. All devices wait for the failed Cisco Unified CallManager to come back online.

Answer: B

Explanation:

QUESTION NO: 248

Which Cisco Unified Communications Manager menu path is used to access the softkey template configuration window?

- A. Device > Device Settings > Softkey Templates
- B. Device Settings > Softkey Templates
- C. IP Phone > Template > Softkey
- D. Device > IP Phone > Template > Softkey

Answer: A

Explanation:

QUESTION NO: 249

When configuring an H.323 gateway, which configuration option can be used to set whether an incoming call is considered off the network (OffNet) or on the network (OnNet)?

- A. call classification
- B. call location
- C. device pool
- D. signaling port

Answer: A

Explanation:

QUESTION NO: 250

Which protocol is used by the Media Gateway Control Protocol gateways in Cisco Unified Communications Manager?

- A. Q signaling
- B. H.323
- C. H.225
- D. Session Initiation Protocol

Answer: A

Explanation:

QUESTION NO: 251

Which term defines a logical grouping of route patterns with same reachability characteristics?

- A. route list
- B. route group
- C. calling search spaces
- D. partition

Answer: D

Explanation:

QUESTION NO: 252

Which term describes an ordered list of partitions that an IP phone can search before completing a call?

- A. calling search space
- B. called search space
- C. route list
- D. route group

Answer: A

Explanation:

QUESTION NO: 253

When a call is attempted during a particular time of day, what determines the partitions where calling devices search?

- A. time schedules
- B. calling periods
- C. dial schedules
- D. time periods

Answer: A

Explanation:

QUESTION NO: 254

Which term describes a time range that is defined by a start time and an end time?

- A. calling period
- B. time period
- C. time schedule
- D. dial schedule

Answer: B

Explanation:

QUESTION NO: 255

Which Meet-Me minimum security level should be set to block participants with authenticated or nonsecure phones from joining the conference?

- A. nonsecure
- B. authenticated
- C. secure
- D. encrypted

Answer: D

Explanation:

QUESTION NO: 256

When you configure a music on hold server, which two options describe the maximum number of simplex unicast streams that are supported? (Choose two.)

- A. 50 on the 7815 and 7825 MCS Servers
- B. 250 on the 7815 and 7825 MCS Servers
- C. 100 on the 7835 and 7845 MCS Servers
- D. 500 on the 7835 and 7845 MCS Servers

Answer: B,D

Explanation:

QUESTION NO: 257

What is the maximum number of audio source files you can define in a Cisco Unified Communications Manager cluster?

- A. 50
- B. 75
- C. 100
- D. 250

Answer: A

Explanation:

QUESTION NO: 258

You need to configure Cisco Unified Communications Manager database replication. On the first node, you install version 8.5(1) of Unified Communications Manager. Which version of Unified CM should you install on the remaining nodes for the database replication to occur?

- A. Version 7.0 and above
- B. Version 8.5(1)
- C. Version 8.0 and above
- D. Version 8.3

Answer: B

Explanation:

QUESTION NO: 259

Which type of server maintains the read/write version of the configuration database and provides database services to the remaining servers in a Cisco Unified Communications Manager cluster?

- A. publisher
- B. subscriber
- C. primary
- D. standby

Answer: A

Explanation:

QUESTION NO: 260

You need to delete an auto-registration Cisco Unified Communications Manager group for a cluster.

What should you do?

- A. Remove the Cisco Unified CallManager group devices.
- B. Disable auto-registration settings in the Cisco Unified CallManager group.
- C. Assign a different call group as the auto-registration Cisco Unified CallManager group.
- D. Delete the auto-registration Cisco Unified CallManager group without performing any action.

Answer: C

Explanation:

QUESTION NO: 261

What is the maximum number of devices that are supported when running a DHCP server on the same machines as Cisco Unified Communications Manager?

- A. 150
- B. 250
- C. 500
- D. 1000

Answer: D

Explanation:

QUESTION NO: 262

By default, what is the maximum number of concurrent requests that a TFTP server can handle when it is configured to run on a single server with the other Cisco Call Unified Communication Manager services?

- A. 250
- B. 500
- C. 1000
- D. 2000

Answer: B

Explanation:

QUESTION NO: 263

When you configure an external Network Time Protocol server that will be used by the Cisco Unified Communications Manager subscriber, which version of Network Time Protocol does Cisco recommend?

- A. Version 1.0
- B. Version 2.0
- C. Version 3.0
- D. Version 4.0

Answer: D

Explanation:

QUESTION NO: 264

When you configure an external Network Time Protocol clock source as the time source on publisher, which Stratum level should you select to provide the highest clock accuracy?

- A. Stratum 1
- B. Stratum 2
- C. Stratum 4
- D. Stratum 5

Answer: A

Explanation:

QUESTION NO: 265

If you plan to use the Cisco Unified Communications Manager Bulk Administration Tool, which feature service must you activate on the first node to administer phones and users?

- A. Cisco WebDialer Web service
- B. Cisco Bulk Provisioning service
- C. Cisco AXL Web service
- D. Cisco Dynamic Host Configuration Protocol Monitor service

Answer: B

Explanation:

QUESTION NO: 266

You plan to activate Simple Network Management Protocol service in the Service Activation window in Cisco Unified Communications Manager Serviceability. You want to monitor all nodes in a cluster. On which node should you activate this service?

- A. on any node
- B. only on the first node
- C. on each nodes
- D. on a separate node outside the cluster

Answer: C

Explanation:

QUESTION NO: 267

Which Cisco Unified Communications Manager feature service provides software-only call processing as well as signaling and call-control functionality?

- A. Cisco Controller service
- B. Cisco Call Processor service
- C. Cisco CTIManager service
- D. Cisco CallManager service

Answer: D

Explanation:

QUESTION NO: 268

Which feature service must be activated to use the abilities of the Cisco Unified Communications Manager Quality Report Tool?

- A. Cisco Extended Functions service
- B. Cisco Quality of Service Recording service
- C. Cisco Serviceability Reporter service
- D. Cisco IP Manager Assistant service

Answer: A

Explanation:

QUESTION NO: 269

How many Cisco Unified Communications Manager group(s) can be configured as the default auto-registration group(s) within a cluster?

- A. 1
- B. 2
- C. 6
- D. 8

Answer: A

Explanation:

QUESTION NO: 270

Within Cisco Unified Communications Manager, to how many device pools can a device be assigned to?

- A. 1
- B. 2
- C. 4
- D. 6

Answer: A

Explanation:

QUESTION NO: 271

Which two options describe the functions of the Cisco Tool for Auto-Registered Phones Support to update auto-registering phones? (Choose two.)

- A. Update IP phone MAC address within Cisco Unified Communications Manager.
- B. Download IP phone configuration.
- C. Modify IP phone configuration.
- D. Create Cisco Unified Communications Manager users.
- E. Enable use of Cisco Unified IP IVR.

Answer: A,B

Explanation:

QUESTION NO: 272

If the route patterns 5XXX, 51XX, 513X, and 5134 exist within a call route database, which pattern would be matched if the dialed number was 5124?

- A. 5XXX
- B. 51XX
- C. 513X
- D. 5134

Answer: B

Explanation:

QUESTION NO: 273

If the route patterns 5XXX, 51XX, 513X and 5134 exist within a call route database, which pattern would be matched if the dialed number was 5324?

- A. 5XXX
- B. 51XX
- C. 513X
- D. 5134

Answer: A

Explanation:

QUESTION NO: 274

Which standards-based gateway signaling protocol uses a centralized deployment model and is supported by Cisco?

- A. Session Initiation Protocol
- B. Media Gateway Control Protocol
- C. Skinny Call Control Protocol
- D. Trivial File Transfer Protocol

Answer: A

Explanation:

QUESTION NO: 275

Which route pattern wildcard character is used to terminate the interdigit timeout?

- A. \$
- B. !
- C. #
- D. .

Answer: C

Explanation:

QUESTION NO: 276

Which two wildcard characters are allowed only once in the route pattern that you create? (Choose two.)

- A. * (asterisk)
- B. + (plus)
- C. X
- D. . (decimal point)
- E. @ (at)

F. # (octothorpe)

Answer: D,E

Explanation:

QUESTION NO: 277

You are performing route pattern configuration. You need to ensure that internal extensions are automatically expanded to full external phone numbers for calling line information on outgoing calls. What should you use?

- A. calling extension expansion
- B. called number expansion
- C. external number mask of the called party
- D. external phone number mask of the calling party

Answer: D

Explanation:

QUESTION NO: 278

Which discard digits instruction removes the access code from a number before passing the number onto an adjacent system?

- A. PreDot
- B. PreAt
- C. NoDigits
- D. Trailing-#

Answer: A

Explanation:

QUESTION NO: 279

Which discard digits instruction removes all digits prior to the North American Numbering Plan portion of the route pattern?

- A. PreDot

- B. PreAt
- C. Pre
- D. PreNANP

Answer: A

Explanation:

QUESTION NO: 280

Which Cisco Unified Communications Manager feature provides the ability to strip incoming called party digits from right to left?

- A. number transformation
- B. discard digits instruction
- C. significant digits
- D. number selection

Answer: C

Explanation:

QUESTION NO: 281

Which Cisco Unified Communications Manager software function enables Cisco Call Unified Communication Manager to play pre-recorded announcements to Cisco IP phones?

- A. announcements
- B. annunciator
- C. unicast announcement service
- D. media resource service

Answer: B

Explanation:

QUESTION NO: 282

Which Cisco Unified Communications Manager service must you enable to provide conference support?

- A. Cisco IP Voice Media Streaming Application service
- B. Cisco IP Voice Software Conference service
- C. Cisco IP Voice Streaming Application service
- D. Cisco IP Voice Streaming Conference Application service

Answer: A

Explanation:

QUESTION NO: 283

Which configuration setting should be used to implement Call Admission Control?

- A. bandwidth
- B. location
- C. maximum conferences
- D. call admission group

Answer: B

Explanation:

QUESTION NO: 284

Which two types of media resource can be inserted into a media resource group? (Choose two.)

- A. codec server
- B. Media Termination Point
- C. annunciator
- D. video transfer elements
- E. audio source server

Answer: B,C

Explanation:

QUESTION NO: 285

Which two types of audio stream can music on hold use? (Choose two.)

- A. point-to-point

- B. point-to-multipoint
- C. multipoint-to-point
- D. multipoint-to-multipoint

Answer: A,B

Explanation:

QUESTION NO: 286

Which option in the Cisco Unified Communications Manager IP phone configuration settings will tell an IP phone how services are to be configured?

- A. configuration source
- B. services provisioning
- C. IP phone configuration
- D. IP phone source

Answer: B

Explanation:

QUESTION NO: 287

Which option in the Cisco Unified Communications Manager IP phone configuration settings will specify the devices, end users, and application users that can monitor this directory number?

- A. presence list
- B. monitor group
- C. presence group
- D. monitor list

Answer: C

Explanation:

QUESTION NO: 288

Which presence group option can be used to disallow group members from monitoring members in other groups?

- A. subscription permission
- B. permissions
- C. allow monitoring
- D. allow inter-group monitoring

Answer: A

Explanation:

QUESTION NO: 289

What is the maximum number of characters that can be used for the Cisco Unified Communications Manager user ID when using the BAT spreadsheet to create the CSV data file for users?

- A. 255
- B. 50
- C. 64
- D. 128

Answer: D

Explanation:

QUESTION NO: 290

Which option is a requirement for Cisco Unified Communications Manager clustering?

- A. Multiple servers run the exact same version of Cisco Unified Communications Manager.
- B. The Publisher runs the same or a newer version of Cisco Unified Communications Manager as the Subscribers.
- C. The Subscribers run the same or a newer version of Cisco Unified Communications Manager as the Publisher.
- D. Multiple servers run any version of Cisco Unified Communications Manager as long as they belong to the same major release.

Answer: A

Explanation:

QUESTION NO: 291

Which two options are functions of Cisco Unified Communications Manager? (Choose two.)

- A. transcoding
- B. call processing
- C. rich-media conferencing
- D. directory services

Answer: B,D

Explanation:

QUESTION NO: 292

Which option is used to associate devices with a Cisco Unified Communications Manager group?

- A. device pools
- B. locations
- C. regions
- D. licenses

Answer: A

Explanation:

QUESTION NO: 293

Which statement describes what happens when a failed primary Cisco Unified Communications Manager comes back into service?

- A. Devices in that group automatically reregister with the primary Cisco Unified CM.
- B. The group automatically re-elects a new primary Cisco Unified CM when it is out of service, and it rejoins the group as a member Cisco Unified CM.
- C. The primary Cisco Unified CM must be added manually back to the group.
- D. A new temporary region is created automatically to avoid conflicts until database resynchronization finishes.

Answer: A

Explanation:

QUESTION NO: 294

Which two tasks should be performed before you delete a phone button template that is currently in use? (Choose two.)

- A.** Assign a different phone button template to any devices that use the phone button template that you want to delete.
- B.** Delete the devices that use the phone button template that you want to delete.
- C.** Rename the button template as "OUT OF SERVICE" to dissociate it from any devices that use the phone button template that you want to delete.
- D.** Check the "ALLOW WITH CONFIRMATION" checkbox in the setting "Delete Button Template in use" under System Parameters, and save the setting.

Answer: A,B

Explanation:

QUESTION NO: 295

Where is a copy of the BAT.xlt file located on the Cisco Unified Communications Manager cluster?

- A.** the first node of the Cisco Unified CM server in a cluster
- B.** every Cisco Unified CM server in a cluster
- C.** the Cisco Unified CM server in a cluster where BAT is enabled
- D.** any TFTP server in the Cisco Unified CM cluster

Answer: A

Explanation:

QUESTION NO: 296

TAPS is frequently used in your corporate environment.

Which should be added to your list of routine tasks?

- A.** Delete unassigned DNS using BAT periodically to free up the auto-registration range.
- B.** Manually resynchronize the Cisco Unified Communications Manager database to free up unused DNS.
- C.** Clear syslogs that contain reports of missing MAC addresses with assigned DNS.
- D.** Reset the license usage count to avoid unused DNS taking up licenses.

Answer: A

Explanation:

QUESTION NO: 297

An H.323 gateway is configured successfully on a Cisco Unified Communications Manager and communication occurs.

Which option is displayed on Cisco Unified CM Administration under Device Gateway?

- A. Status is shown as Registered, and an IP address is displayed.
- B. Status is shown as Unknown, and an IP address is displayed.
- C. Status is shown as Registered, and an IP address is shown as Unknown.
- D. Status is shown as Unknown, and an IP address is shown as Unknown.

Answer: B

Explanation:

QUESTION NO: 298

Which two options are resources in a route list that route calls that match a defined route pattern? (Choose two.)

- A. gateways
- B. route groups
- C. virtual machine servers
- D. IP phones

Answer: A,B

Explanation:

QUESTION NO: 299

Which command is valid to show calls that were rejected due to the toll fraud call reject error code?

- A. show voice statistics iec since-reboot
- B. show run | sec voice-port 2/0/0
- C. show call history voice last 1
- D. show call rsvp-sync stats

Answer: A

Explanation:

QUESTION NO: 300

Which three options can belong to specific partitions? (Choose three.)

- A. directory numbers
- B. route patterns
- C. translation patterns
- D. gateways
- E. voice-mail servers
- F. IP phones

Answer: A,B,C

Explanation:

QUESTION NO: 301

When a called party belongs to a partition that is outside of the CSS that is assigned to your DN and device, which option describes how Cisco Unified Communications Manager handles the call?

- A. Rejects the call or ignores the translation pattern.
- B. Accepts the call and connects to the called party.
- C. Forwards the call to the voice mail of the called party.
- D. Sends the call handler, which prompts for additional information.

Answer: A

Explanation:

QUESTION NO: 302

Which option is a symptom of failed calls due to misconfigurations in partitions or calling search spaces?

- A. The reorder tone is heard before or after the complete number is dialed.
- B. The annunciator plays the "Your call cannot be completed as dialed" message.
- C. Outgoing calls to the PSTN or PBX network are routed through a Cisco IOS gateway without ringback tones.
- D. You cannot hear a dial tone or complete a call.

Answer: B

Explanation:

QUESTION NO: 303

Which three items have a calling search space? (Choose three.)

- A. phones
- B. phone lines
- C. gateways
- D. partitions
- E. transcoder
- F. AAR groups

Answer: A,B,C

Explanation:

QUESTION NO: 304

Which option describes how you add software conference bridges to Cisco Unified Communications Manager?

- A. by adding a Cisco Unified CM server to the cluster
- B. by adding a software conference bridge using Conference Bridge Configuration
- C. by installing DSP to a Cisco Unified CM server
- D. by reassigning other media resources to conference resources

Answer: A

Explanation:

QUESTION NO: 305

What is the maximum number of simplex streams that a Cisco MOH server can support?

- A. 5
- B. 50
- C. 500
- D. 5000

Answer: C

Explanation:

QUESTION NO: 306

In the Cisco Unified Communications Manager Administration window, which MOH parameter can be selected for phones and gateways?

- A. media resource group list
- B. hold stream source
- C. hold stream volume
- D. media loop timer

Answer: A

Explanation:

QUESTION NO: 307

Which media resource plays the ringback tone when a SIP trunk is used?

- A. audio conferencing
- B. transcoding
- C. media termination point
- D. annunciator
- E. Music on Hold

Answer: D

Explanation:

QUESTION NO: 308

Which two options are forms of redundancy provided by Cisco Unified Communications Manager? (Choose two.)

- A. media resource redundancy
- B. CTI redundancy
- C. voice-mail redundancy
- D. emergency responder redundancy

Answer: A,B

Explanation:

QUESTION NO: 309

Which Cisco Unified Communications Manager call-processing redundancy deployment design guarantees that Cisco IP Phone registrations never overwhelm the backup servers?

- A. 1:1 - One primary server and one secondary server
- B. 3:2 - Three primary servers and two secondary servers
- C. 2:1 - Two primary servers and one secondary server
- D. 1:3 - One primary server and three secondary servers

Answer: A

Explanation:

QUESTION NO: 310

Which two fields are mandatory if you set DNS to enabled when you install Cisco Unified Communications Manager? (Choose two.)

- A. primary DNS IP address
- B. primary DNS host name
- C. secondary DNS IP address
- D. domain name

Answer: A,D

Explanation:

QUESTION NO: 311

Which service must you activate to use the annunciator feature?

- A. Cisco IP Voice Media Streaming App
- B. Cisco IP Media Streaming App
- C. Cisco Messaging Interface
- D. Cisco Extended Functions

Answer: A

Explanation:

QUESTION NO: 312

What is the maximum number of Cisco Unified Communications Manager nodes that can belong to a Cisco Unified Call Manager group?

- A. 6
- B. 5
- C. 4
- D. 3
- E. 2

Answer: D

Explanation:

QUESTION NO: 313

How many servers can be set up in a Cisco Unified Communications Manager group?

- A. 8
- B. 5
- C. 4
- D. 3
- E. 2

Answer: D

Explanation:

QUESTION NO: 314

Which step is the first to add an extra speed dial to your Cisco IP Phone?

- A. Configure the default softkey template to have an additional speed dial.
- B. Create a softkey template with an additional speed dial.
- C. Configure the default phone button template to have an additional speed dial.
- D. Create a new phone button template with an additional speed dial.

Answer: D

Explanation:

QUESTION NO: 315

Which path is the path to create a user template?

- A. User Management > User Template
- B. User Management > Add User Template
- C. Device > User > User Template
- D. Bulk Administration > User Template
- E. Bulk Administration > Users > User Template

Answer: E

Explanation:

QUESTION NO: 316

Which action must you perform before you update Cisco Unified Communications Manager using BAT?

- A. Create or edit a CMC or FAC CSV file and insert the file in BAT.
- B. Put Cisco Unified CM in BAT service mode.
- C. Temporarily disconnect all non-BAT related servers, such as Cisco Presence.
- D. Enable promiscuous mode on the Cisco Unified CM BAT database.

Answer: A

Explanation:

QUESTION NO: 317

Which item is mandatory to enable the auto-registration tool?

- A. Cisco Unity
- B. Cisco DRS
- C. Cisco CRS
- D. Cisco CME

Answer: C

Explanation:

QUESTION NO: 318

Which route pattern is used if the end user dials 9 for an outside line and then dials 13135551212?

- A. 9.!
- B. 9!
- C. 9.*
- D. 9.XXXXXXXXXXX
- E. 9.1XXXXXXXXXX
- F. 9.[^9]XXXXXXXXXX

Answer: E

Explanation:

QUESTION NO: 319

Which route pattern is matched based on the dialed number 29465?

- A. 2XXXX
- B. 2946X
- C. 29XXX
- D. 294X
- E. 29[0-5]XX

Answer: B

Explanation:

QUESTION NO: 320

Which requirement is mandatory to allow an MGCP gateway to download its configuration from the Cisco Unified Communications Manager cluster?

- A. the ccm-manager redundant host command in the MGCP gateway
- B. a domain name on the MGCP gateway
- C. a T1 interface in the MGCP gateway
- D. a Cisco TFTP server

Answer: D

Explanation:

QUESTION NO: 321

Which protocol is recommended to be used between Cisco Unified Communications Manager and the voice gateway to simplify the dial plan?

- A. SIP
- B. SCCP
- C. H323
- D. RSVP
- E. MGCP

Answer: E

Explanation:

QUESTION NO: 322

Which protocol can Cisco Unified Communications Manager not use to monitor the status of the gateway?

- A. H.323
- B. SIP
- C. MGCP
- D. SCCP

Answer: A

Explanation:

QUESTION NO: 323

Which option lists matches for the route pattern 38[^1-6]?

- A. 380, 387, 388, 389
- B. 381, 382, 383, 384, 385, 386 only
- C. 381, 386 only
- D. 381, 382, 383, 384, 385, 386, 38*, 38# only

Answer: A

Explanation:

QUESTION NO: 324

Which two options can a route pattern be assigned? (Choose two.)

- A. a route list with one or more route groups configured
- B. a route list with no route groups configured
- C. a gateway that is assigned to a route group
- D. a gateway that is not assigned to a route group

Answer: A,D

Explanation:

QUESTION NO: 325

Which route pattern is the best match for the range of 6000 to 6599?

- A. 6XXX
- B. 65XX
- C. 60XX
- D. 6[05]XX
- E. 6[0-5]XX

Answer: E

Explanation:

QUESTION NO: 326

Which statement about the relationship between gateways and route groups is true?

- A. Each gateway can belong to only one route group and can be listed only once within that route

group.

B. Each gateway can belong to only one route group and can be listed multiple times within that route group.

C. Each gateway can belong to multiple route groups and can be listed only once within each route group.

D. Each gateway can belong to multiple route groups and can be listed multiple times within each route group.

Answer: C

Explanation:

QUESTION NO: 327

Which two algorithms are valid to distribute calls in a route group? (Choose two.)

A. round-robin

B. top-down

C. bottom-up

D. broadcast

E. circular

Answer: B,E

Explanation:

QUESTION NO: 328

Which option describes where you set up the toll-fraud prevention feature that drops any calls from a conference if no on-net users are still connected?

A. in the service parameters for the Ad Hoc Conference Service

B. in the service parameters for Cisco IP Voice Media Streaming App

C. in the service parameters for Cisco CallManager

D. in the enterprise parameters

Answer: C

Explanation:

QUESTION NO: 329

Which two valid features prevent toll fraud? (Choose two.)

- A. CNC
- B. FAC
- C. CAC
- D. CSS

Answer: B,D

Explanation:

QUESTION NO: 330

The Cisco IP Phone of your company operator is on extension 7000. However, users normally dial 0 to get the operator.

Which action sends calls that were made to 0 to the operator?

- A. Create a route pattern of 0 and use a called party transform mask of 7XXX.
- B. Create the IP phone overlay feature so the operator's line has 0 and 7000 assigned to it.
- C. Create a translation pattern for 7000 and a called party transform mask of 0.
- D. Create a translation pattern for 0 and a called party transform mask of 7000.
- E. Create a translation pattern for 0 and a calling party transform mask of 7000.

Answer: D

Explanation:

QUESTION NO: 331

Which two elements are configured to provide dialing privileges in Cisco Unified Communications Manager? (Choose two.)

- A. partitions
- B. regions
- C. enterprise phone configuration
- D. calling search spaces

Answer: A,D

Explanation:

QUESTION NO: 332

Which two statements about calling search spaces and partitions are true? (Choose two.)

- A. Partitions define who you can call.
- B. Partitions define who can call you.
- C. Calling search spaces can be assigned only to phones and gateways.
- D. Calling search spaces define who you can call.
- E. Calling search spaces define who can call you.

Answer: B,D

Explanation:

QUESTION NO: 333

Which option describes the objective of use partitions?

- A. Divide directory numbers with different privileges.
- B. Group called numbers with identical reachability characteristics.
- C. Provide calling privileges to implement CoS.
- D. Enable the use of FAC.
- E. Route different called patterns to a specific gateway.

Answer: B

Explanation:

QUESTION NO: 334

Which option describes destinations that can be routed?

- A. DNs located in the partitions inside its calling search space
- B. DNs not listed on the restricted dialing list of the device
- C. DNs on the allowed list in the ACL of the registered Cisco Unified Communications Manager server
- D. DNs on the trusted list of the CA within the Cisco Unified Communications Manager cluster

Answer: A

Explanation:

QUESTION NO: 335

Which three steps are needed to enable time-of-day call routing? (Choose three.)

- A. Configure a time schedule.
- B. Configure an access list.
- C. Configure a partition.
- D. Configure a time period.
- E. Configure a calling search space.
- F. Configure a route pattern.
- G. Configure dial rules.

Answer: A,C,D

Explanation:

QUESTION NO: 336

Which statement must be enforced when you configure a Meet-Me conference in a Cisco Unified Communications Manager environment?

- A. The combination of the Meet-Me number/pattern and partition must be unique within the Cisco Unified CM cluster.
- B. The codec must be identical among all Meet-Me numbers/patterns within a region.
- C. The bandwidth that is allowed per Meet-Me number/pattern must be set to unlimited.
- D. The types of devices must be defined in the Meet-Me configuration table to allow only certain types of devices to initiate the call.

Answer: A

Explanation:

QUESTION NO: 337

What is the maximum number of supported participants for a MeetMe conference?

- A. 32
- B. 64
- C. 96

D. 128

Answer: D

Explanation:

QUESTION NO: 338

Which two items are needed to configure MeetMe Conference? (Choose two.)

- A. description
- B. partition
- C. calling search space
- D. minimum security level
- E. directory number or pattern
- F. device pool
- G. region

Answer: D,E

Explanation:

QUESTION NO: 339

Which task must be completed so that the caller hears MOH instead of silence when the MTP resource gets invoked at one of the call legs?

- A. Configure unicast MOH or tone on hold instead of multicast MOH.
- B. Configure multicast MOH instead of unicast MOH or tone on hold.
- C. Configure software DSP instead of hardware DSP.
- D. Configure hardware DSP instead of software DSP.

Answer: A

Explanation:

QUESTION NO: 340

Which IP address and port number are used by default when you configure Multicast Music on Hold?

- A. 239.1.1.2 on port 16884
- B. 239.255.255.254 on port 16388
- C. 239.239.239.239 on port 16348
- D. 239.1.1.1 on port 16384

Answer: D

Explanation:

QUESTION NO: 341

A file in PCM WAV format is uploaded into Cisco Unified Communications Manager to be used as MoH.

Which four codecs are used in files that are generated by Cisco Unified Communications Manager? (Choose four.)

- A. Cisco wideband
- B. G.723
- C. G.711 mu-law
- D. G.711 a-law
- E. iLBC
- F. G.728
- G. G.729A
- H. G.722

Answer: A,C,D,G

Explanation:

QUESTION NO: 342

You have the Cisco IP Voice Media Streaming App enabled on all three of your servers in your cluster. You do not want any software-based transcoders to be used under any circumstances, but you need the annunciator service.

Which action should you perform?

- A. Do not add the software-based transcoders to any Media Resource Group.
- B. Create a Media Resource Group called Not_Used, assign software-based transcoders to this

- group, and do not assign this group to any Media Resource Group List.
- C. Disable the Cisco IP Voice Media Streaming App on all three servers.
 - D. Disable transcoding in the Cisco CallManager service parameters.

Answer: B

Explanation:

QUESTION NO: 343

Which statement about creating Cisco IP Phone Services is true?

- A. You can create multiple Cisco IP Phone Services with the same name.
- B. Cisco IP Phone Services must have a unique name.
- C. Cisco IP Phone Services must have the name "Service" in the description.
- D. You must use hostnames in the Cisco IP Phone Service URL.
- E. You must use IP addresses in the Cisco IP Phone Service URL.

Answer: A

Explanation:

QUESTION NO: 344

Which two ways can you configure redundancy for Cisco IP Phone services? (Choose two.)

- A. Configure a primary and a secondary URL.
- B. Configure redundancy at the DNS server.
- C. Enable Cisco IP Phone service within two servers in the cluster.
- D. Use Cisco IOS as Cisco Survivable Remote Site Telephony.
- E. Use Cisco IOS Server Load Balancing.

Answer: B,E

Explanation:

QUESTION NO: 345

When configuring Cisco Unified Communications Manager to use Busy Lamp Field Speed Dials as a native presence feature, which function is required?

- A.** Enable the "BLF for Call Lists" in the Cisco CallManager service parameter section.
- B.** Do nothing; the "BLF for Call Lists" is enabled by default.
- C.** Enable the "BLF for Call Lists" in the Enterprise parameter section.
- D.** Enable the "BLF for Call Lists" in the Cisco Unified Presence Server.

Answer: C