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Exam : **642-447**

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

Version : Demo

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

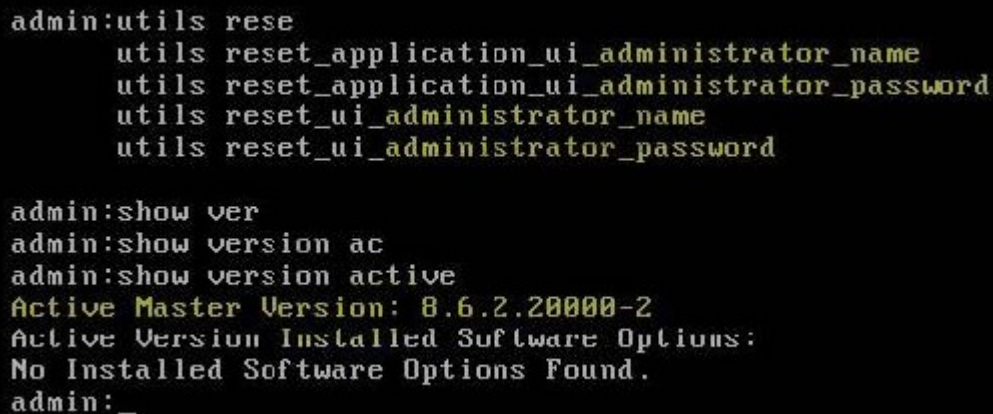D. maintains read-only copies of the configuration database

Answer: A,B,D

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

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


```
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:_
```

A. privilege level

B. username

C. password

D. username and password

Answer: D

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

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

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

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

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

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

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 astar 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.

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

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- 1 TFTP server

- 1 primary subscriber

- 2 backup subscribers

Answer: B

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

13.When a new subscriber is added to a Cisco Unified Communications Manager cluster, how must the subscriber be configured so that is 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

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

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
Selection of the type of deployment model isbased onseveral factors, including tlie following:
- SizE. Number of IPphones. Cisco Unified Communications Manager servers, and other resources, such asgateways ormedia resources (conference bridges, music onhold [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 ttie network

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.

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

18.DRAG DROP

Answer:

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

Administratively Configured
- BLF Speed Dials
- Cisco Unified Communications Manager BAT
- Privacy Enable/Disable

User-Facing
- Message Waiting Indicator
- Call Forward All

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

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

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 repsonse 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 repsonse from Cisco Unified CallManager to their REGISTER message	Date header in 200OK repsonse from Cisco Unified CallManager to their REGISTER message

Explanation:

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 dale 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 willderive the date and time from the Cisco Unified Communications Manager 200 OK response to the REGISTER message