

**Exam : Cisco 642-145**

**Title : Implementing Cisco IOS  
Unified Communications  
Advanced**

**Version : Demo**

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1. Your IP telephony manager wants you to configure an FXS port on a voice-enabled router with these requirements:

- 1) It supports groundstart signaling.
- 2) Calling name is James Smith.
- 3) Calling number is 4085551212.
- 4) Ringfrequency is 25hz.
- 5) Ring cadence is for Germany.

Which configuration will meet these requirements?

A. voice-port 1/0/0

signal ground-start

cptone DE

ringfrequency 25

stationid name James Smith

stationid number 4085551212

B. voiceport 1/0/0

description extension 555-1212, name "James Smith"

signal ground-start

ring cadence DE

ringfrequency25

C. voiceport 1/0/0

description extension 555-1212, name "James Smith"

ring cadence Germany

ring frequency 25

station-id name James Smith

station-id number 5551212

D. voiceport 1/0/0

signal ground-start

cadence Germany

frequency25

station-id name James Smith

station-id number 4085551212

**Answer: A**

2. What is the best practice of configuring an intercom on a shared line?

A. This feature allows all endpoints to participate in intercom messages.

- B. This feature allows one endpoint to contact multiple endpoints simultaneously.
- C. This feature is not supported and should not be used.
- D. This feature can be used only when the intercom ephonedn is configured as a dual line.
- E. This feature can be supported only in a unidirectional manner.

**Answer: C**

3. Refer to the exhibit. When two separate calls, FXO and PRI, arrive at the following Cisco Unified Communications Manager Express router, which statement about call behavior is true?

```
controller T1 0/2/0
 framing esf
 linecode b8zs
 pri-group timeslots 1-4,24
 !
 voice-port 0/1/0
 connection plar 2151
 !
 voice-port 0/2/0:23
 !
 dial-peer voice 50 pots
 incoming called-number .%
 port 0/1/0
 !
 dial-peer voice 123 pots
 incoming called-number .
 direct-inward-dial
```

- A. The FXO call matches dial-peer 50 pots and succeeds, and the PRI call matches dial-peer 123 pots, but it fails due to a missing port statement.
- B. The PRI call matches dial-peer 50 pots and succeeds, and the FXO call matches dial-peer 123 pots, but it fails due to a missing port statement.
- C. The FXO call matches dial-peer 50 pots, and the PRI call matches dial-peer 123 pots, but both calls fail due to misconfiguration.
- D. The FXO call matches dial-peer 50 pots, the PRI call matches dial-peer 123 pots, and both calls succeed.
- E. The PRI call matches dial-peer 50 pots, the FXO call matches dial-peer 123 pots, and both calls succeed.

**Answer: D**

4. Refer to the exhibit. The Saratoga Softball League is setting up Call Transfer for its Cisco Unified

Call Manager Express solution, which uses version 4.0. The network supports the H.450 standards. What will be used to execute the transfer?

**SaratogaSL(config-telephony-service)#transfer-system blind**

- A. Tcl script
- B. hairpin routing
- C. H.450.2 standard
- D. H.450.3 standard
- E. proprietary Cisco method

**Answer: E**

5. Refer to the exhibit. Cisco Unity Express is not registered to a Cisco Unified Messaging Gateway. What is causing this condition?

```
CUE1# sh messaging-gateway
Messaging gateways :

***Output omitted***

Primary messaging gateway :
  10.1.1.10
  Status : Not Registered
  Location-id : 10
  Reg-id : CME1
  Reg-password : (Not displayed)
  Retry-interval : 5 minute(s)

Secondary messaging gateway :
  Status : Not Configured

CUE1# sh running-config
Generating configuration:

***Output omitted***

network location id "11"
  abbreviation "CME1"
  email domain 192.168.1.10
  name "CME1"
  voicemail extension-length min 4 max 8
  end location

network location id "12"
  abbreviation "CME2"
  email domain 192.168.2.10
  name "CME2"
  voicemail extension-length min 4 max 8
  end location

network local location id 11

security password lockout policy temp-lock
security pin lockout policy temp-lock
service phone-authentication
  end phone-authentication

service voiceview
  enable
  end voiceview

messaging-gateway primary 10 10.1.1.10
  username CME1 password encrypted
  "J3+trZ39ZxE5Sik27qsefknfGwTYHfMPsd8ZZNgd+Y9J3x1k2B35j0nfGwTYHfMPsd8ZZNgd+Y9J3x1
  k2B35j0nfGwTYHfMPsd8ZZNgd+Y9J3x1k2B35j0nfGwTYHfMP"
  end messaging-gateway
```

- A. Local location ID should be changed to be "10".
- B. The messaging-gateway registration command is not configured.
- C. Cisco Unified Messaging Gateway location is not defined.
- D. Email domains are not on the same subnet.
- E. VoiceView cannot be enabled.

**Answer: B**

6. Which two configuration snips will configure two ephone-dns that will function as a private intercom between "Sales Mgr" and his "Sales Admin"? The intercom must automatically answer and not require any direct phone intervention from the administrator to speak with the manager. (Choose two.)

A.

```
ephone-dn 90  
number 5000  
name "Sales Admin"  
intercom 4999 label "Sales Admin"
```

B.

```
ephone-dn 91  
number 4999  
name "Sales Mgr"  
intercom 5000 label "Sales Mgr"
```

C.

```
ephone-dn 90  
number 5000  
name "Sales Admin"  
intercom 4999 label "Sales Admin" no-mute
```

D.

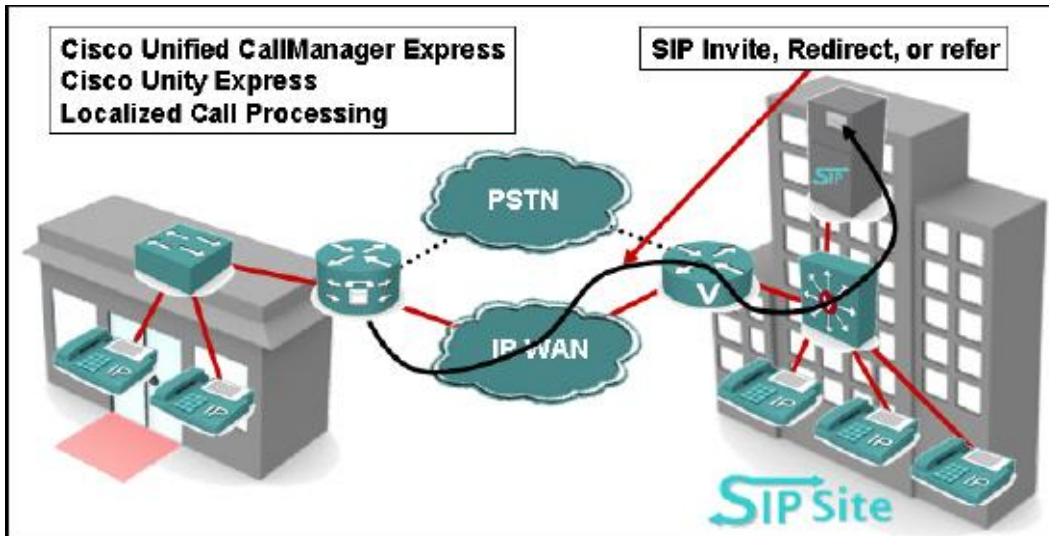
```
ephone-dn 91  
number A4999  
name "Sales Mgr"  
intercom A5000 label "Sales Mgr"
```

E.

```
ephone-dn 90  
number A5000  
name "Sales Admin"  
intercom A4999 label "Sales Admin" no-mute
```

**Answer: DE**

7. Refer to the exhibit. The Greene Supply Company is integrating Cisco Unified CallManager Express into a SIP network. Which two statements are accurate? (Choose two.)



- A. SIP support in dial peers is a Cisco IOS function.
- B. Use the notify-based DTMF relay mechanism that is proprietary to Cisco.
- C. SIP support in Cisco IOS is a function of localized call processing integrated with Cisco Unity Express.
- D. Use either the notify-based DTMF relay mechanism that is proprietary to Cisco or the RFC-based DTMF relay.
- E. The SIP server must be configured for the E.164 numbers that are going to register with the Cisco CallManager Express database.

**Answer: AD**

8. Which mode allows you to configure the B-ACD service provided in Cisco Unified Communications Manager Express?

- A. Tcl
- B. telephony
- C. application
- D. IP-telephony
- E. telephony-service

**Answer: C**

9. Refer to the exhibit. Which command can be used to override all the blocked patterns in the after-hours configuration?

```
Acme1(config)#telephony-service
Acme1(config-telephony)#after-hours day mon 17:00 08:00
Acme1(config-telephony)#after-hours day tues 17:00 08:00
Acme1(config-telephony)#after-hours day wed 17:00 08:00
Acme1(config-telephony)#after-hours day thurs 17:00 08:00
Acme1(config-telephony)#after-hours day fri 17:00 08:00
Acme1(config-telephony)#after-hours day sat 17:00 08:00
Acme1(config-telephony)#after-hours day sun 17:00 08:00
Acme1(config-telephony)#after-hours block pattern 9011T 7-24
Acme1(config-telephony)#after-hours block pattern 91[2-9]..[2-9].....
Acme1(config-telephony)#after-hours block pattern 919[0,7][0,6]..... 7-24
Acme1(config-telephony)#after-hours block pattern 9[2-9]..[2-9].....
```

- A. Configure the after-hours exempt command under the ephonedn command.
- B. Configure the pin command under the ephone command.
- C. Configure the after-hours exempt and pin commands under the ephone-dn command.
- D. Configure the no after-hours block pattern command under the ephone command.

**Answer:** A

10. Acme Co. is using a Cisco Unified Messaging Gateway to network two of their Cisco Unified Communications Manager Express/Cisco Unity Express sites to each other. Site11 is running Cisco Unity Express 2.3.4 and Cisco Unified Communications Manager Express 3.2 and site 12 is running Cisco Unified Communications Manager Express 4.2(0) and Cisco Unity Express 3.1. One of the sites autoregisters correctly with the Cisco Unified Messaging Gateway, but the other site does not. Which site is not autoregistering and what is the reason it is not registering? (Choose two.)

- A. Site 11 is not autoregistering.
- B. Cisco Unified Communications Manager Express 4.2 does not support Cisco Unified Messaging Gateway autoregistration.
- C. Site 12 is not autoregistering.
- D. Cisco Unity Express 2.3.4 does not support Cisco Unified Messaging Gateway autoregistration.
- E. Cisco Unity Express 3.1 does not support Cisco Unified Messaging Gateway autoregistration.
- F. Cisco Unified Communications Manager Express 3.2 does not support Cisco Unified Messaging Gateway autoregistration.

**Answer:** AD

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