

**Cisco 642-145**

**642-145 Implementing Cisco IOS Unified  
Communications Part 2 (IUC2)**

**Practice Test**

Version 4-1

**QUESTION NO: 1**

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

**Answer: C**

**QUESTION NO: 2**

Using the show ccn trigger command provides the following output:  
cue-10-0-0# show ccn trigger  
Name: 6800 Type: SIP Application: voicemail Locale: en\_US Idle Timeout: 5000 Enabled: yes  
Maximum number of sessions: 8  
Name: 6700 Type: SIP Application: autoattendant Locale: en\_US  
Idle Timeout: 5000 Enabled: yes Maximum number of sessions: 8  
cue-10-0-0# What two pieces of information can you derive from this output? (Choose two.)

- A. The number of ports available is 16
- B. The operator can be reached at extension 6800
- C. The voice-mail pilot point number is 6800
- D. The voice-mail application is enabled.
- E. The idle timeout is 5 seconds

**Answer: C,D**

**QUESTION NO: 3**

Refer to the exhibit. What type of calls can the ephone with extension 2151 make?

```

dial-peer cor custom
name us
name intl
|
dial-peer cor list usPt
member us
|
dial-peer cor list intlPt
member intl
|
dial-peer cor list USCalls
member us
|
dial-peer cor list intlCalls
member us
member intl
|
dial-peer voice 7 pots
corlist outgoing usPt
destination-pattern 91[2-9]..[2-9].....
port 1/0:23
prefix 1
|
dial-peer voice 011 pots
corlist outgoing intlPt
destination-pattern 9011T
port 1/0:23
prefix 011
|
ephone-dn 1 dn voip
number 2151

```

- A. No impact on outgoing calls. However, incoming calls will not be permitted to extension 2151 unless cor list is configured on the ephone-dn
- B. Only US calls
- C. All calls
- D. Internal and emergency calls only, because of the default cor restriction.
- E. None

**Answer: C**

#### QUESTION NO: 4

Refer to the exhibit. A user at Acme Co. reports that when someone leaves a voicemail message, their MWI does not light up. The administrator has checked the MWI configuration in Cisco Unified Communications Manager Express and found that the MWI On number is 9001 and the MWI Off number is 9000. Using the trace output from the Cisco Unity Express module, what is the problem?

```

Via: SIP/2.0/UDP 192.168.1.10:5060;branch=z9hG4bKjFvM83efBetUTad1A0DGBg~8
To: <sip:80011001@192.168.1.1:5060;user=phone>;tag=39AE18-1941
From: <sip:2901@192.168.1.10:5060>;tag=cue945c9459
Call-ID: 12136496496639@192.168.1.10
CSeq: 1 INVITE
Content-Length: 0
Date: Mon, 16 Jun 2008 20:54:09 GMT
Server: Cisco-SIPGateway/IOS-12.x
Allow-Events: telephone-event
Reason: Q.850;cause=1

4825 06/16 16:54:09.924 ACCN SIPS 0 Call.rejecting(RESOURCE_INVALID)
SIPCallContact[id=14,type=Cisco SIP Call,implId=9327FFFF-011A-1000-4000-
001125CUC68,active=true,state=CALL_INITIATED,inbound=false,handled=false,lccale
=en_US,aborting=false,app=App[name=ciscomwiapplication,type=Cisco Script
Application,id=0,desc=ciscomwiapplication,enabled=true,max=6,valid=true,optional
=script=setmwi.aef,cfvars=
[Lcom.cisco.wfapi.util.WFNameValuePair;@35bf53f7,privilegeType=1,last.modified=1
213649561350]],task=24000000010,session=Session
[id=Cx218711a0a,parent=null,active=true,state=SESSION_IN_USE,time=1213649649670]
,seqNum=0,time=1213649649631,cn=null,dn=null,cgn=80011001,ani=null,dnis=null,cli
d=null,atype=OUTBOUND,lrd=null,ocn=null,odn=null,uui=null,aniii=null,ced=null,lr
vmn=null,ocvmn=null,route=TR[num=2901],port=Port[type=Cisco SIP
Chanrel,id=2,implId=16900,active=true,state=IN_USE],aborting=false,transferring=
false,disconnecting=false]

```

- A. The MWI On number configuration is incorrect in Cisco Unity Express
- B. The CCN subsystem SIP is incorrect in Cisco Unity Express.
- C. The MWI Off Number configuration is incorrect in Cisco Unity Express
- D. The SIP is misconfigured in Cisco Unified Communications Manager Express
- E. The MWI application is not enabled

**Answer: A**

#### QUESTION NO: 5

Refer to the exhibit. This proposed configuration is meant to forward calls to extension 9999 when extension 2001 is busy. Which configuration command will most likely to be edited for this to function properly?

```
Router# show voice register global
...
Mode is cme
Max-pool is 16
Max-dn is 32
Source-address is 10.0.2.4 port 5060
Load 7960-40 is POS3-07-4-07
Time-format is 12
Date-format is M/D/Y
Time-zone is 5
Hold-alert is disabled
Mwi stutter is disabled
Mwi registration for full E.164 is disabled
Dst auto adjust is enabled
...
```

### Configuration

```
voice register pool 32
  type 7960
  number 1 2001
  call-forward busy 9999 mailbox 1234

voice register pool 3
  id network 10.2.161.0 mask 255.255.255.0
  number 1 95... preference 1
  cor outgoing call195 95011
  max registrations 5
  voice-class codec 1
```

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- A. max registrations
- B. id network mask
- C. mailbox
- D. voice register pool

**Answer: D**

### QUESTION NO: 6

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
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```

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

**Answer: D**

#### QUESTION NO: 7

Refer to the exhibit. When a message is left at extension phone-dn1, the message is left successfully, however the MWI light does not come on. Which configuration command resolves this issue?

```
voice register global
mode cme
source-address 10.1.150.1 port 5060
max-dn 10
max-pool 4
load 7961 SIP41.8-3-4SR1S
voicemail 2190
create profile sync 0164145526104016
|
voice register dn 1
number 2103
call-forward b2bua noan 2190 timeout 6
mwi
|
voice register pool 1
id mac 001E.BE90.BE8D
type 7961
number 1 dn 1
dtmf-relay rtp-nte
codec g711ulaw
no vad
|
sip-ua
mwi-server ipv4:10.1.4.2 expires 3600 port 5060 transport udp
|
ephone-dn 1 dual-line
number 2102
call-forward noan 2190 timeout 6 www.pass4sures.com
|
```

- A. The command MWI SIP is missing under ephone-dn 1.
- B. The command MWI SIP is missing under voice register pool 1
- C. Must configure two ephone-dns for MWI on and MWI off
- D. The command MWI is missing under voice register global
- E. The command MWI is missing under ephone-dn1

**Answer: A**

#### QUESTION NO: 8

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
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```

- 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: A**

### QUESTION NO: 9

Refer to the exhibit. Which command can be used to override all the blocked patterns in the afterhours configuration?



```

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

```

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

**Answer: C**

#### QUESTION NO: 10

Which pre configuration task is necessary for VoiceView Express?

- A. Ensure that all phones that are owned by the JTAPI user point to the authentication server URL on Cisco Unity Express.
- B. Ensure that the authentication server URL points to Cisco Unity Express
- C. Ensure that all phones point to the authentication server URL owned by Cisco Unity Express
- D. Ensure that authentication server is owned by the JTAPI user on Cisco Unity Express

**Answer: B**

#### QUESTION NO: 11

Which port type must be connected to the fax device for the Cisco Unified Communications Manager Express to support fax pass-through, T.38, and Cisco fax relay?

- A. ATA
- B. FXS
- C. FXO
- D. FAX

**Answer: B**

#### QUESTION NO: 12

Refer to the exhibit. The transcoder is not active and is not registered with Cisco Unified Communications Manager Express. Which three commands must be edited or added to for the transcoder to register properly with Cisco Unified Communications Manager Express? (Choose three.)

```
voice-card 0
|
sccp local Loopback0
sccp ccm 10.3.30.1 identifier 1 priority 1 version 6.0
sccp
|
sccp ccm group 8
  bind interface Loopback0
  associate ccm 3 priority 1
  associate profile 5 register XCDSP1
|
dspfarm profile 6
  codec g711ulaw
  codec g711alaw
  codec g729ar8
  codec g729abr8
  maximum session 4
  associate application sccp
|
```

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- A. Change maximum session 4 to maximum session 8 to support four different codec types
- B. Change associateapplicationsccp to associate application transcoder
- C. Changeassociateccm 3 priority 1 to associate ccm 1priority 1.
- D. Edit the associate profile 5 register XCDSP1 command to be associate profile 6 register XCDSP1
- E. Adddsp services dspfarm under voice-card 0
- F. Addthedsp services dspfarm command to sccp ccm group 8

**Answer: C,D,E**

### QUESTION NO: 13

Refer to the exhibit. After system maintenance is performed, users report that when they press the messages button on their IP phones, they hear nothing instead of the opening voicemail greeting. The IP phone displays "Ring Out", but nothing else happens. What is the cause of this problem?