



642-427^{Q&As}

Troubleshooting Cisco Unified Communications v8.0 (TVOICE v8.0)

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QUESTION 1

Which replication state means that the replication is good?

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

Correct Answer: B

QUESTION 2

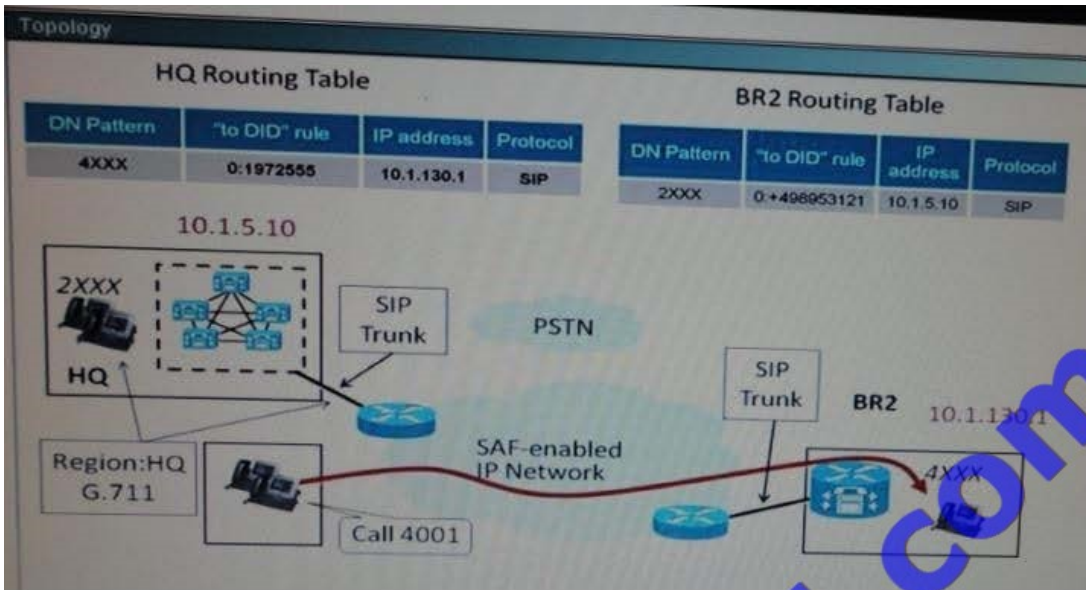
As a network technician, you should be familiar with various commands. Which command displays a count of successful and unsuccessful control commands?

- A. show mgcp calls
- B. show mgcp statistics
- C. show mgcp
- D. debug mgcp statistics

Correct Answer: B

QUESTION 3

Refer to the exhibit.



Debug Output

Search: Find

```

===== PuTTY log 2010.05.06 14:39:38 =====
May 6 21:44:34.925: //-1/8E0C12800000/CCAPI/cc_api_display_ie_subfields:
cc_api_call_setup_ind_common:
cisco-username=2001
----- ccCallInfo IE subfields -----
cisco-ani=2001
cisco-anitype=0
cisco-aniplan=0
cisco-anipi=0
cisco-anisi=1
dest=4001
cisco-desttype=0
cisco-destplan=0
cisco-rdie=FFFFFFFF
cisco-rdn=
cisco-lastrdn=
cisco-rdntype=0
cisco-rdnplan=0
cisco-rdnpi=-1
cisco-rdnsi=-1
cisco-redirectreason=-1 fwd_final_type =0
final_redirectNumber =
hunt_group_timeout =0

May 6 21:44:34.929: //-1/8E0C12800000/CCAPI/cc_api_call_setup_ind_common:
Interface=0x47BA2AD4, Call Info{
Calling Number=2001,(Calling Name=)(TON=Unknown, NPI=Unknown, Screening=User, Passed, Presentation=All
Called Number=4001,(TON=Unknown, NPI=Unknown)

```



```
Debug Output
May 6 21:44:34.929: //-1/8E0C12800000/CCAPI/cc_api_call_setup_ind_common:
Interface=0x47BA2AD4, Call Info{
Calling Number=2001,(Calling Name=)(TON=Unknown, NPI=Unknown, Screening=User, Passed, Presentation=Allowed),
Called Number=4001(TON=Unknown, NPI=Unknown),
Calling Translated=FALSE, Subscriber Type Str=Unknown, FinalDestinationFlag=TRUE,
Incoming Dial-peer=0, Progress Indication=NULL(0), Calling IE=TRUE,
BR2#=TRUE,
Source Trkgrp Route Label=, Target Trkgrp Route Label=, CLID Transparent=FALSE), Call Id=1468
May 6 21:44:34.929: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.929: :cc_get_feature_vsa malloc success
May 6 21:44:34.929: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.929: cc_get_feature_vsa count is 1
May 6 21:44:34.929: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.929: :FEATURE_VSA attributes are: feature_name=0,feature_time:1241407104,feature_id:471
May 6 21:44:34.929: //1468/8E0C12800000/CCAPI/cc_api_call_setup_ind_common:
Set Up Event Sent:
Call Info(Calling Number=2001(TON=Unknown, NPI=Unknown, Screening=User, Passed, Presentation=Allowed),
Called Number=4001(TON=Unknown, NPI=Unknown))
May 6 21:44:34.929: //1468/8E0C12800000/CCAPI/cc_process_call_setup_ind:
Event=0x47848240
May 6 21:44:34.929: //-1/xxxxxxxxxxxx/CCAPI/cc_setupind_match_search:
Try with the demoted called number 4001
May 6 21:44:34.933: //1468/8E0C12800000/CCAPI/ccCallSetContext:
Context=0x49E2FCD4
May 6 21:44:34.933: //1468/8E0C12800000/CCAPI/cc_process_call_setup_ind:
>>>>CCAPI handed cid 1468 with tag 0 to app "_ManagedAppProcess_Default"
May 6 21:44:34.933: //1468/8E0C12800000/CCAPI/ccCallProceeding:
*
```

```
Debug Output
Progress Indication=NULL(0)
May 6 21:44:34.933: //1468/8E0C12800000/CCAPI/ccCallSetupRequest:
Destination=, Calling IE Present=TRUE, Mode=0,
Outgoing Dial-peer=20003, Params=0x49E39624, Progress Indication=ORIGINATING SIDE IS NON ISDN(3)
May 6 21:44:34.933: //1468/8E0C12800000/CCAPI/ccCheckClipClir:
In: Calling Number=2001(TON=Unknown, NPI=Unknown, Screening=User, Passed, Presentation=Allowed)
May 6 21:44:34.933: //1468/8E0C12800000/CCAPI/ccCheckClipClir:
Out: Calling Number=2001(TON=Unknown, NPI=Unknown, Screening=User, Passed, Presentation=Allowed)
May 6 21:44:34.933: //1468/8E0C12800000/CCAPI/ccCallSetupRequest:
Destination Pattern=4001$, Called Number=4001, Digit Strip=TRUE
May 6 21:44:34.937: //1468/8E0C12800000/CCAPI/ccCallSetupRequest:
Calling Number=2001(TON=Unknown, NPI=Unknown, Screening=User, Passed, Presentation=Allowed),
Called Number=4001(TON=Unknown, NPI=Unknown),
Redirect Number=, Display Info=
Account Number=2001, Final Destination Flag=TRUE,
Guid=8E0C1280-BE31-3842-0000-00510A05010A, Outgoing Dial-peer=20003
May 6 21:44:34.937: //1468/8E0C12800000/CCAPI/cc_api_display_ie_subfields:
ccCallSetupRequest:
cisco-username=2001
----- ccCallInfo IE subfields -----
cisco-anl=2001
cisco-anitype=0
cisco-aniplan=0
cisco-anipi=0
cisco-anisi=1
dest=4001
cisco-desttype=0
cisco-destplan=0
cisco-rdie=FFFFFFFF
cisco-rdn=
cisco-lastrdn=
cisco-rdntype=0
cisco-rdnplan=0
cisco-rdnpte=1
cisco-rdnpi=1
cisco-rdnisi=1
cisco-redirectreason=1 fwd_final_type =0
final_redirectNumber =
hunt_group timeout =0
May 6 21:44:34.937: //1468/8E0C12800000/CCAPI/ccIFCallSetupRequestPrivate:
Interface=0x49993B98, Interface Type=6, Destination=, Mode=0x0,
Call Params(Calling Number=2001,(Calling Name=)(TON=Unknown, NPI=Unknown, Screening=User, Passed,
Presentation=Allowed),
Called Number=4001(TON=Unknown, NPI=Unknown), Calling Translated=FALSE,
Subscriber Type Str=Unknown, FinalDestinationFlag=TRUE, Outgoing Dial-peer=20003, Call Count On=FALSE,
Source Trkgrp Route Label=, Target Trkgrp Route Label=, tg_label_flag=0, Application Call Id=)
May 6 21:44:34.937: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.937: :cc_get_feature_vsa malloc success
May 6 21:44:34.937: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.937: cc_get_feature_vsa count is 2
May 6 21:44:34.937: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.937: :FEATURE_VSA attributes are: feature_name=0,feature_time:1241406880,feature_id:472
May 6 21:44:34.937: //1469/8E0C12800000/CCAPI/ccIFCallSetupRequestPrivate:
SFI Call Setup Request Is Success: Interface Type=6, FlowMode=1
May 6 21:44:34.937: //1469/8E0C12800000/CCAPI/ccCallSetContext:
Context=0x49E395D4
*
```

```
Debug Output
cisco-rdie=FFFFFFFF
cisco-rdn=
cisco-lastrdn=
cisco-rdntype=0
cisco-rdnplan=0
cisco-rdnpte=1
cisco-rdnpi=1
cisco-rdnisi=1
cisco-redirectreason=1 fwd_final_type =0
final_redirectNumber =
hunt_group timeout =0
May 6 21:44:34.937: //1468/8E0C12800000/CCAPI/ccIFCallSetupRequestPrivate:
Interface=0x49993B98, Interface Type=6, Destination=, Mode=0x0,
Call Params(Calling Number=2001,(Calling Name=)(TON=Unknown, NPI=Unknown, Screening=User, Passed,
Presentation=Allowed),
Called Number=4001(TON=Unknown, NPI=Unknown), Calling Translated=FALSE,
Subscriber Type Str=Unknown, FinalDestinationFlag=TRUE, Outgoing Dial-peer=20003, Call Count On=FALSE,
Source Trkgrp Route Label=, Target Trkgrp Route Label=, tg_label_flag=0, Application Call Id=)
May 6 21:44:34.937: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.937: :cc_get_feature_vsa malloc success
May 6 21:44:34.937: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.937: cc_get_feature_vsa count is 2
May 6 21:44:34.937: //-1/xxxxxxxxxxxx/CCAPI/cc_get_feature_vsa:
May 6 21:44:34.937: :FEATURE_VSA attributes are: feature_name=0,feature_time:1241406880,feature_id:472
May 6 21:44:34.937: //1469/8E0C12800000/CCAPI/ccIFCallSetupRequestPrivate:
SFI Call Setup Request Is Success: Interface Type=6, FlowMode=1
May 6 21:44:34.937: //1469/8E0C12800000/CCAPI/ccCallSetContext:
Context=0x49E395D4
*
```



```
Debug Output
May 6 21:44:34.937: :FEATURE_VSA attributes are: feature_name:0,feature_time:1241406880,feature_id:472
May 6 21:44:34.937: //1469/8E0C12800000/CCAPI/ccIFCallSetupRequestPrivate:
SFI Call Setup Request Is Success: Interface Type=6, FlowMode=1
May 6 21:44:34.937: //1469/8E0C12800000/CCAPI/ccCallSetContext:
Context=0x49E395D4
May 6 21:44:34.937: //1468/8E0C12800000/CCAPI/ccSaveDialPeerTag:
Outgoing Dial-peer=20003
May 6 21:44:34.941: //1469/8E0C12800000/CCAPI/cc_api_update_call_info:
Interface=0x49993B98, Call Id=0x5EB
May 6 21:44:34.945: //1469/8E0C12800000/CCAPI/cc_api_call_proceeding:
Interface=0x49993B98, Progress Indication=NULL(0)
May 6 21:44:34.945: //1469/8E0C12800000/CCAPI/cc_api_call_alert:
Interface=0x49993B98, Progress Indication=NULL(0), Signal Indication=SIGNAL_RINGBACK(1)
May 6 21:44:34.945: //1469/8E0C12800000/CCAPI/cc_api_call_alert:
Call Entry(Retry Count=0, Responded=TRUE)
May 6 21:44:34.945: //1468/8E0C12800000/CCAPI/ccCallAlert:
Progress Indication=NULL(0), Signal Indication=SIGNAL_RINGBACK(1)
May 6 21:44:34.945: //1468/8E0C12800000/CCAPI/ccCallAlert:
Call Entry(Responded=TRUE, Alert Sent=TRUE)
May 6 21:44:34.949: //1469/8E0C12800000/CCAPI/ccCallFeature:
Feature Type=25, Call Id=1469
May 6 21:44:36.985: //1469/8E0C12800000/CCAPI/cc_api_call_connected:
Interface=0x49993B98, Data Bitmask=0x1, Progress Indication=NULL(0),
Connection Handle=0
May 6 21:44:36.985: //1469/8E0C12800000/CCAPI/cc_api_call_connected:
Call Entry(Connected=TRUE, Responded=TRUE, Retry Count=0)
May 6 21:44:36.989: //1468/xxxxxxxxxxxx/CCAPI/ccConferenceCreate:
(confID=0x49F67B0C, callID1=0x5BC, callID2=0x5BD, tag=0x0)
May 6 21:44:36.989: //1468/xxxxxxxxxxxx/CCAPI/ccConferenceCreate:
(confID=0x49F67B0C, callID1=0x5BC, gcid=6567743C-588F11DF-8741B800-463C85, tag=0x0)
```

```
Debug Output
(confID=0x49F67B0C, callID1=0x5BC, gcid=6567743C-588F11DF-8741B800-463C85, tag=0x0)
May 6 21:44:36.989: //1469/xxxxxxxxxxxx/CCAPI/ccConferenceCreate:
(confID=0x49F67B0C, callID2=0x5BD, gcid=6567743C-588F11DF-8741B800-463C85, tag=0x0)
May 6 21:44:36.989: //1468/8E0C12800000/CCAPI/ccConferenceCreate:
Conference Id=0x49F67B0C, Call Id=1468, Call Id2=1469, Tag=0x0
May 6 21:44:36.989: //1468/xxxxxxxxxxxx/CCAPI/cc_api_get_xcode_stream:

May 6 21:44:36.989: cc_api_get_xcode_stream : 4546
May 6 21:44:36.989: //1468/xxxxxxxxxxxx/CCAPI/cc_api_bridge_done:
Conference Id=0x3D, Source Interface=0x47BA2AD4, Source Call Id=1468,
Destination Call Id=1469, Disposition=0x0, Tag=0x0
May 6 21:44:36.989: //1469/xxxxxxxxxxxx/CCAPI/cc_api_bridge_done:
Conference Id=0x3D, Source Interface=0x49993B98, Source Call Id=1469,
Destination Call Id=1468, Disposition=0x0, Tag=0xFFFFFFFF
May 6 21:44:36.989: //1468/8E0C12800000/CCAPI/cc_generic_bridge_done:
Conference Id=0x3D, Source Interface=0x49993B98, Source Call Id=1469,
Destination Call Id=1468, Disposition=0x0, Tag=0xFFFFFFFF
May 6 21:44:36.989: //1468/8E0C12800000/CCAPI/ccConferenceCreate:
Call Entry(Conference Id=0x3D, Destination Call Id=1469)
May 6 21:44:36.989: //1469/8E0C12800000/CCAPI/ccConferenceCreate:
Call Entry(Conference Id=0x3D, Destination Call Id=1468)
May 6 21:44:36.989: //1469/8E0C12800000/CCAPI/cc_api_caps_ind:
Destination Interface=0x47BA2AD4, Destination Call Id=1468, Source Call Id=1469,
Caps(Codec=0x1, Fax Rate=0x1, Fax Version=0, Vad=0x1,
Modem=0x0, Codec Bytes=20, Signal Type=3)
May 6 21:44:36.989: //1469/8E0C12800000/CCAPI/cc_api_caps_ind:
Caps(Playout Mode=1, Playout Initial=60(ms), Playout Min=40(ms),
Playout Max=1000(ms), Fax Nom=300(ms))
May 6 21:44:36.989: //1468/8E0C12800000/CCAPI/cc_api_caps_ind:
Destination Interface=0x49993B98, Destination Call Id=1469, Source Call Id=1468,
```

```
Debug Output
Destination Call Id=1469, Disposition=0x0, Tag=0x0
May 6 21:44:37.181: //1469/xxxxxxxxxxxx/CCAPI/cc_api_bridge_drop_done:
Conference Id=0x3D, Source Interface=0x49993B98, Source Call Id=1469,
Destination Call Id=1468, Disposition=0x0, Tag=0x0
May 6 21:44:37.181: //1468/8E0C12800000/CCAPI/cc_generic_bridge_done:
Conference Id=0x3D, Source Interface=0x49993B98, Source Call Id=1469,
Destination Call Id=1468, Disposition=0x0, Tag=0x0
May 6 21:44:37.185: //1468/8E0C12800000/CCAPI/ccCallDisconnect:
Cause Value=172, Tag=0x0, Call Entry(Previous Disconnect Cause=0, Disconnect Cause=0)
May 6 21:44:37.185: //1468/8E0C12800000/CCAPI/ccCallDisconnect:
Cause Value=172, Call Entry(Responded=TRUE, Cause Value=172)
May 6 21:44:37.185: //1469/8E0C12800000/CCAPI/ccCallDisconnect:
Cause Value=172, Tag=0x0, Call Entry(Previous Disconnect Cause=0, Disconnect Cause=172)
May 6 21:44:37.185: //1469/8E0C12800000/CCAPI/ccCallDisconnect:
Cause Value=172, Call Entry(Responded=TRUE, Cause Value=172)
May 6 21:44:37.185: //1469/8E0C12800000/CCAPI/cc_api_call_feature:
Feature Type=6, Interface=0x49993B98, Call Id=1469
May 6 21:44:37.189: //1469/8E0C12800000/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x49993B98, Tag=0x0, Call Id=1469,
Call Entry(Disconnect Cause=172, Voice Class Cause Code=0, Retry Count=0)
May 6 21:44:37.189: //1469/8E0C12800000/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
May 6 21:44:37.189: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

May 6 21:44:37.189: !cc_free_feature_vsa freeing 49FE5D98
May 6 21:44:37.189: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

May 6 21:44:37.189: vsacount in free is 1
May 6 21:44:37.217: //1468/8E0C12800000/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x47BA2AD4, Tag=0x0, Call Id=1468,
Call Entry(Disconnect Cause=172, Voice Class Cause Code=0, Retry Count=0)
```



```
May 6 21:44:37.185: //1469/8E0C12800000/CCAPI/ccCallDisconnect:
Cause Value=172, Tag=0x0, Call Entry(Previous Disconnect Cause=0, Disconnect Cause=172)
May 6 21:44:37.185: //1469/8E0C12800000/CCAPI/ccCallDisconnect:
Cause Value=172, Call Entry(Responded=TRUE, Cause Value=172)
May 6 21:44:37.185: //1469/8E0C12800000/CCAPI/cc_api_call_features:
Feature Type=6, Interface=0x49993B98, Call Id=1469
May 6 21:44:37.189: //1469/8E0C12800000/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x49993B98, Tag=0x0, Call Id=1469
Call Entry(Disconnect Cause=172, Voice Class Cause Code=0, Retry Count=0)
May 6 21:44:37.189: //1469/8E0C12800000/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
May 6 21:44:37.189: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

May 6 21:44:37.189: :cc_free_feature_vsa freeing 49FE5D98
May 6 21:44:37.189: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

May 6 21:44:37.189: vsaccount in free is 1
May 6 21:44:37.217: //1468/8E0C12800000/CCAPI/cc_api_call_disconnect_done:
Disposition=0, Interface=0x47BA2A00, Tag=0x0, Call Id=1468,
Call Entry(Disconnect Cause=172, Voice Class Cause Code=0, Retry Count=0)
May 6 21:44:37.217: //1468/8E0C12800000/CCAPI/cc_api_call_disconnect_done:
Call Disconnect Event Sent
May 6 21:44:37.217: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

May 6 21:44:37.217: :cc_free_feature_vsa freeing 49FE5E78
May 6 21:44:37.217: //-1/xxxxxxxxxxxx/CCAPI/cc_free_feature_vsa:

May 6 21:44:37.217: vsaccount in free is 0
BR2#
BR2#
```

When an HQ caller places a call to extension 4001 the phone at BR2 rings. After the user at BR2 goes off hook, the call is disconnected. Examine the debug voice ccapi voice inout command output. What caused this issue?

- A. The BR2 router does not have a matching inbound dial peer.
- B. There is a codec mismatch between the source and destination. Codec negotiation failed
- C. The BR2 router is sending the call to dial-peer 20003 which is a POTS dial-peer.
- D. The destination phone is not registered.

Correct Answer: B

QUESTION 4

Please choose four mandatory features of an H.323 gatekeeper from the following items.

- A. Admission control
- B. Address resolution



C. Bandwidth control

D. Zone management

Correct Answer: ABCD

QUESTION 5

Under normal conditions, what is the Cisco default attenuation level on a gateway?

A. 0

B. -6

C. -15

D. 3

Correct Answer: A

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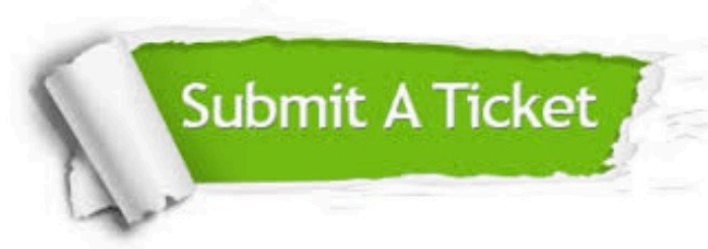
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