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300-075

Implementing Cisco IP Telephony & Video, Part 2 v1.0

Version 6.0

Exam A

QUESTION 1
Which parameter should be set to prevent H.323 endpoints from registering to Cisco TelePresence Video Communication Server automatically?

A. On the VCS, navigate to Configuration, Protocols, H.323, and set Auto Discover to off.
B. On the VCS, navigate to Configuration, Protocols, H.323, and set Auto Registration to off.
C. On the VCS, navigate to Configuration, Registration, Allow List, and set Auto Registration to off.
D. On the VCS, navigate to Configuration, Registration, Configuration, and set Auto Registration to off.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
Refer to the exhibit.

```
*c xConfiguration Call Loop Detection Mode: "On"
*c xConfiguration Call Routed Mode: "Always"
*c xConfiguration Call Services CallsToUnknownIPAddresses: "Direct"
*c xConfiguration Call Services Fallback Alias:
*c xConfiguration CollaborationEdge Enabled: Off
```

Which statement is true?

A. Endpoints can make calls to unknown IP addresses without the VCS querying any neighbors.
B. If the VCS receives a call to an unknown IP address, it queries its neighbors for the remote address and if permitted, it routes the call through the neighbor.
C. Endpoints that are registered directly to the VCS can call only an IP address of a system that is also registered directly to that VCS.
D. Dialing by IP address is not supported on VCS.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
A local gateway is registered to Cisco TelePresence Video Communication Server with a prefix of 7. The administrator wants to stop calls from outside the organization being routed through it. Which CPL configuration accomplishes this goal?

A.
```
<?xml version="1.0" encoding="UTF-8" ?>
<cpl xmlns="urn:ietf:params:xml:ns:cpl"
  xmlns:taa="http://www.tandberg.net/cpl-extensions"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:cpl cpl.xsd">
  <taa:routed>
    <taa:rule-switch>
      <taa:rule originating-zone="TraversalZone" destination="7(.*)">
        <!-External calls are not allowed to use this gateway -->
        <!-- Reject call with a status code of 403 (Forbidden) -->
        <reject status="403" reason="Denied by policy"/>
      </taa:rule>
      <taa:rule origin="(.*)" destination="(.*)">
        <!-- All other calls allowed -->
        <proxy/>
      </taa:rule>
    </taa:rule-switch>
  </taa:routed>
</cpl>
```

B.
```
<?xml version="1.0" encoding="UTF-8" ?>
<cpl xmlns="urn:ietf:params:xml:ns:cpl"
  xmlns:taa="http://www.tandberg.net/cpl-extensions"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:cpl cpl.xsd">
  <taa:routed>
    <taa:rule-switch>
      <taa:rule originating-zone="NeighborZone" destination="7(.*)">
        <!-External calls are not allowed to use this gateway -->
        <!-- Reject call with a status code of 403 (Forbidden) -->
        <reject status="403" reason="Denied by policy"/>
      </taa:rule>
      <taa:rule origin="(.*)" destination="(.*)">
        <!-- All other calls allowed -->
        <proxy/>
      </taa:rule>
    </taa:rule-switch>
  </taa:routed>
</cpl>
```

C.
```xml
<?xml version="1.0" encoding="UTF-8" ?>
<cpl xmlns="urn:ietf:params:xml:ns:cpl"
  xmlns:taa="http://www.tandberg.net/cpl-extensions"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:cpl cpl.xsd">
  <taa:routed>
    <taa:rule-switch>
      <taa:rule originating-zone="TraversalSubZone" destination="7(.*)">
        <!--External calls are not allowed to use this gateway -->
        <!-- Reject call with a status code of 403 (Forbidden) -->
        <reject status="403" reason="Denied by policy"/>
      </taa:rule>
      <taa:rule origin="(.*)" destination="(.*)">
        <!-- All other calls allowed -->
        <proxy/>
      </taa:rule>
    </taa:rule-switch>
  </taa:routed>
</cpl>
```

D.
```xml
<?xml version="1.0" encoding="UTF-8" ?>
<cpl xmlns="urn:ietf:params:xml:ns:cpl"
  xmlns:taa="http://www.tandberg.net/cpl-extensions"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:cpl cpl.xsd">
  <taa:routed>
    <taa:rule-switch>
      <taa:rule originating-zone="TraversalZone" destination="7(.\d)">
        <!--External calls are not allowed to use this gateway -->
        <!-- Reject call with a status code of 403 (Forbidden) -->
        <reject status="403" reason="Denied by policy"/>
      </taa:rule>
      <taa:rule origin="(.*)" destination="(.*)">
        <!-- All other calls allowed -->
        <proxy/>
      </taa:rule>
    </taa:rule-switch>
  </taa:routed>
</cpl>
```

E.
```xml
<?xml version="1.0" encoding="UTF-8" ?>
<cpl xmlns="urn:ietf:params:xml:ns:cpl"
  xmlns:taa="http://www.tandberg.net/cpl-extensions"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:cpl cpl.xsd">
  <taa:routed>
    <taa:rule-switch>
      <taa:rule originating-zone="TraversalZone" destination="(.*)">
        <!-External calls are not allowed to use this gateway -->
        <!-- Reject call with a status code of 403 (Forbidden) -->
        <reject status="403" reason="Denied by policy"/>
      </taa:rule>
      <taa:rule origin="(.*)" destination="(.*)">
        <!-- All other calls allowed -->
        <proxy/>
      </taa:rule>
    </taa:rule-switch>
  </taa:routed>
</cpl>
```

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Which type of search message appears in the Cisco TelePresence Video Communication Server search history page when it receives a H.323 call from a RAS-enabled endpoint that originates from an external zone?

A. ARQ
B. SETUP
C. LRQ
D. INVITE
E. OPTIONS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5

Widgets.com's Cisco TelePresence Video Communication Server allows SIP and H.323 registrations. Which local zone search rule configuration allows SIP registered endpoints to connect to H.323 endpoints that register with an H.323 E.164 number only?

A.

Mode	Alias pattern match ⌄ (i)
Pattern type	Regex ⌄ (i)
Pattern string	* (.*)@widgets.com (i)
Pattern behavior	Replace ⌄ (i)
Replace string	\(\d+) (i)
On successful match	Continue ⌄ (i)
Target	* Local Zone ⌄ (i)
State	Enabled ⌄ (i)

B.

Mode	Alias pattern match ⌄ (i)
Pattern type	Regex ⌄ (i)
Pattern string	* (.+)@widgets.com (i)
Pattern behavior	Replace ⌄ (i)
Replace string	\" (i)
On successful match	Continue ⌄ (i)
Target	* Local Zone ⌄ (i)
State	Enabled ⌄ (i)

C.

Mode	Alias pattern match ⌄ (i)
Pattern type	Regex ⌄ (i)
Pattern string	* (.+)@widgets.com (i)
Pattern behavior	Replace ⌄ (i)
Replace string	\5 (i)
On successful match	Continue ⌄ (i)
Target	* Local Zone ⌄ (i)
State	Enabled ⌄ (i)

D.

Mode	Alias pattern match ⌄	ⓘ
Pattern type	Regex ⌄ ⓘ	
Pattern string	★ (.+)@widgets.com	ⓘ
Pattern behavior	Replace ⌄ ⓘ	
Replace string	\1	ⓘ
On successful match	Continue ⌄ ⓘ	
Target	★ Local Zone ⌄ ⓘ	
State	Enabled ⌄ ⓘ	

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
You want to avoid unnecessary interworking in Cisco TelePresence Video Communication Server, such as where a call between two H.323 endpoints is made over SIP, or vice versa. Which setting is recommended?

A. H.323 - SIP interworking mode. Reject
B. H.323 - SIP interworking mode. On
C. H.323 - SIP interworking mode. Registered only
D. H.323 - SIP interworking mode. Off
E. H.323 - SIP interworking mode. Variable

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
Which three statements about configuring an encrypted trunk between Cisco TelePresence Video Communication Server and Cisco Unified Communications Manager are true? (Choose three.)

A. The root CA of the VCS server certificate must be loaded in Cisco Unified Communications Manager.

B. A SIP trunk security profile must be configured with Incoming Transport Type set to TCP+UDP.
C. The Cisco Unified Communications Manager trunk configuration must have the destination port set to 5061.
D. A SIP trunk security profile must be configured with Device Security Mode set to TLS.
E. A SIP trunk security profile must be configured with the X.509 Subject Name from the VCS certificate.
F. The Cisco Unified Communications Manager zone configured in VCS must have SIP authentication trust mode set to On.
G. The Cisco Unified Communications Manager zone configured in VCS must have TLS verify mode set to Off.

Correct Answer: ACE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
Which two statements about configuring mobile and remote access on Cisco TelePresence Video Communication Server Expressway are true?
(Choose two.)

A. The traversal server zone on Expressway-C must have a TLS verify subject name configured.
B. The traversal client zone and the traversal server zone Media encryption mode must be set to Force encrypted.
C. The traversal client zone and the traversal server zone Media encryption mode must be set to Auto.
D. The traversal client zone on Expressway-C Media encryption mode must be set to Auto.
E. The traversal client zone and the traversal server zone must be set to SIP TLS with TLS verify mode set to On.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
Which two actions ensure that the call load from Cisco TelePresence Video Communication Server to a Cisco Unified Communications Manager cluster is shared across Unified CM nodes? (Choose two.)

A. Create a neighbor zone in VCS with the Unified CM nodes listed as location peer addresses.
B. Create a single traversal client zone in VCS with the Unified CM nodes listed as location peer addresses.
C. Create one neighbor zone in VCS for each Unified CM node.
D. Create a VCS DNS zone and configure one DNS SRV record per Unified CM node.

E. In VCS set Unified Communications mode to Mobile and remote access and configure each Unified CM node.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
Which two options are configuration steps on Cisco Unified Communications Manager that are used when integrating with VCS Expressway servers? (Choose two.)

A. allowing numeric dialing from Cisco phones to Expressway
B. configuring a device pool with video feature enabled
C. allowing dialing to Expressway domain from Cisco phones
D. creating an application user on Cisco Unified Communications Manager with assigned privileges
E. adding the Expressway servers to the Application Servers list

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
Which two statements regarding IPv4 Static NAT address 209.165.200.230 has been configured on a VCS Expressway are true? (Choose two.)

A. The Advanced Networking or Dual Network Interfaces option key has been installed.
B. VCS rewrites the Layer 3 source address of outbound SIP and H.323 packets to 209.165.200.230.
C. VCS applies 209.165.200.230 to outbound SIP and H.323 payload messages.
D. With static NAT enabled on the LAN2 interface, VCS applies 209.165.200.230 to outbound H.323 and SIP payload traffic exiting the LAN1 interface.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
Which configuration does Cisco recommend for the peer address on the Expressway-C secure traversal zone when the Expressway-E has one NIC enabled?

A. Expressway-E internal IP address
B. Expressway-E external IP address
C. Expressway-E internal FQDN
D. Expressway-E external FQDN

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
If delegated credentials checking has been enabled and remote workers can register to the VCS Expressway, which statement is true?

A. H.323 message credential checks are delegated.
B. SIP registration proxy mode is set to On in the VCS Expressway.
C. A secure neighbor zone has been configured between the VCS Expressway and the VCS Control.
D. SIP registration proxy mode is set to Off in the VCS Expressway.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
Which two options should be used to create a secure traversal zone between the Expressway-C and Expressway-E? (Choose two.)

A. Expressway-C and Expressway-E must trust each other's server certificate.
B. One Cisco Unified Communications traversal zone for H.323 and SIP connections.
C. A separate pair of traversal zones must be configured if an H.323 connection is required and Interworking is disabled.
D. Enable username and password authentication verification on Expressway-E.
E. Create a set of username and password on each of the Expressway-C and Expressway-E to authenticate the neighboring peer.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
Which two statements regarding you configuring a traversal server and traversal client relationship are true? (Choose two.)

A. VCS supports only the H.460.18/19 protocol for H.323 traversal calls.
B. VCS supports either the Assent or the H.460.18/19 protocol for H.323 traversal calls.
C. VCS supports either the Assent or the H.460.18/19 protocol for SIP traversal calls.
D. If the Assent protocol is configured, a TCP/TLS connection is established from the traversal client to the traversal server for SIP signaling.
E. A VCS Expressway located in the public network or DMZ acts as the firewall traversal client.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
What is the standard Layer 3 DSCP media packet value that should be set for Cisco TelePresence endpoints?

A. CS3 (24)
B. EF (46)
C. AF41 (34)
D. CS4 (32)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
When you configure QoS on VCS, which settings do you apply if traffic through the VCS should be tagged with DSCP AF41?

A. Set QoS mode to DiffServ and tag value 32.

B. Set QoS mode to IntServ and tag value to 34.

C. Set QoS mode to DiffServ and tag value 34.

D. Set QoS mode to IntServ and tag value to 32.

E. Set QoS mode to ToS and tag value to 32.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
What is the default DSCP/PHB for video conferencing packets in Cisco Unified Communications Manager?

A. EF/46

B. CS6/48

C. AF41/34

D. CS3/24

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
The administrator at Company X is getting user reports of inconsistent quality on video calls between endpoints registered to Cisco Unified Communications Manager. The administrator runs a wire trace while a video call is taking place and sees that the packets are not set to AF41 for desktop video as they should be.

Where should the administrator look next to confirm that the correct DSCP markings are being set?

A. on the MGCP router at the edge of both networks

B. the service parameters in the VCS Control

C. the QoS service parameter in Cisco Unified Communications Manager

D. on the actual Cisco phone itself because the DSCP setting is not part of its configuration file downloaded at registration

E. The setting cannot be changed for video endpoints that are registered to Cisco Unified Communications Manager, but only when they are registered to the VCS Control.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
Which three commands are necessary to override the default CoS to DSCP mapping on interface Fastethernet0/1? (Choose three.)

A. mls qos map cos-dscp 0 10 18 26 34 46 48 56
B. mls qos map dscp-cos 8 10 to 2
C. mls qos
D. interface Fastethernet0/1
   mls qos trust cos
E. interface Fastethernet0/1
   mls qos cos 1
F. interface Fastethernet0/2
   mls qos cos 1

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
When video endpoints register with Cisco Unified Communications Manager, where are DSCP values configured?

A. in Unified CM, under Enterprise Parameters Configuration
B. in Unified CM, under Device > Device Settings > Device Defaults
C. in Unified CM, under Service Parameters > Cisco CallManager Service > Cluster-wide Parameters
D. DSCP parameters are always configured on each individual video endpoint.

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:

QUESTION 22
Which two options are valid service parameter settings that are used to set up proper video QoS behavior across the Cisco Unified Communications Manager infrastructure? (Choose two.)

A. DSCP for Video Calls when RSVP Fails
B. Default Intraregion Min Video Call Bit Rate (Includes Audio)
C. Default Interregion Max Video Call Bit Rate (Includes Audio)
D. DSCP for Video Signaling
E. DSCP for Video Signaling when RSVP Fails

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
Which action is performed by the Media Gateway Control Protocol gateway with SRST configured, when it loses connectivity with the primary and backup Cisco Unified Communications Manager servers?

A. The gateway continues to make an attempt to connect to the backup Cisco Unified Communications Manager server.
B. The gateway falls back to the H.323 protocol for further call processing.
C. The gateway continues with the MGCP call processing without any interruption.
D. The gateway waits for the primary Cisco Unified Communications Manager server to come alive.
E. All MGCP call processing is interrupted until the Cisco Unified Communications Manager servers are online.
F. The MGCP calls are queued up until the Cisco Unified Communications Manager servers are online.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
Which option is a benefit of implementing CFUR?

A. CFUR is designed to initiate TEHO to reduce toll charges.
B. CFUR can prevent phones from unregistering.
C. CFUR can reroute calls placed to a temporarily unregistered destination phone.
D. CFUR eliminates the need for COR on an ISR.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
Refer to the exhibit.

```
dial-peer voice 901 pots
  destination-pattern 9011T
  port 1/0:23
```

Which configuration change is needed to enable NANP international dialing during MGCP fallback?

A. Change the dial peer to dial-peer voice 901 voip.
B. Change the dial peer to dial-peer voice 9011 pots.
C. Add the command prefix 011 to the dial peer.
D. Add the command prefix 9011 to the dial peer.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
Which command is needed to utilize local dial peers on an MGCP-controlled ISR during an SRST failover?

A. ccm-manager fallback-mgcp
B. telephony-service
C. dialplan-pattern
D. isdn overlap-receiving
E. voice-translation-rule

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
Which three commands are mandatory to implement SRST for five Cisco IP Phones? (Choose three.)

A. call-manager-fallback
B. max-ephones
C. keepalive
D. limit-dn
E. ip source-address

Correct Answer: ABE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
Which commands are needed to configure Cisco Unified Communications Manager Express in SRST mode?

A. telephony-service and srst mode
B. telephony-service and moh
C. call-manager-fallback and srst mode
D. call-manager-fallback and voice-translation

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:

QUESTION 29
You need to verify if the Media Gateway Control Protocol gateway is enabled and active. Which command should you use for this purpose?

A. show running-config
B. show fallback-mgcp
C. show gateway
D. show ccm-manager fallback-mgcp
E. show running-config gateway
F. show fallback-mgcp ccm-manager

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
You want to perform Media Gateway Control Protocol gateway maintenance. For this purpose, you disable Media Control Gateway Protocol gateway using the no mgcp command. After you perform the maintenance, you want to enable the Media Control Gateway Protocol gateway.

Which command should you use?

A. enable mgcp
B. mgcp
C. mgcp enable
D. mgcp yes
E. activate mgcp
F. mgcp active

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference: