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Avaya IX Calling Design

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QUESTION 1

A technician is adding 1100 users to an Avaya Aura solution. There is only bandwidth for 30kbps calls per user.

Which audio codec will provide the highest fidelity that the network will support?

- A. G.722
- B. H.264
- C. G.711
- D. G.729

Correct Answer: A

QUESTION 2

A customer is interested in deploying geo-redundant System Managers. Which two requirements would they need to know? (Choose two.)

- A. Both servers must be on the same IP subnet.
- B. The two servers must have the same version of software,
- C. The two servers can reach each other on the network.
- D. Both servers must have the same IP address.

Correct Answer: A

QUESTION 3

A design you are working on calls for several "G series" media gateways, and you have determined the number of Digital Signal Processor (DSP) resources that are needed.

In which two ways can you determine how many "G series" gateways are needed in a design? (Choose two.)

- A. Divide the calculated number of DSPs by 320 to determine how many G450s are needed.
- B. Divide the calculated number of DSPs by 120 to determine how many G430s are needed.
- C. Divide the calculated number of DSPs by 340 to determine how many G450S are needed.
- D. Divide the calculated number of DSPs by 128 to determine how many G430s are needed.

Correct Answer: B

QUESTION 4

A customer has a new location with 1,900 users. They require a UC solution that will support 20% growth without adding additional hardware. They are interested in minimizing the equipment footprint and do not require redundancy.

What will meet customer's needs?

- A. Communication Manager Simplex with Survivable Core
- B. Communication Manager Simplex
- C. Communication Manager S8300
- D. Communication Manager Duplex

Correct Answer: C

QUESTION 5

The following endpoints are being requested for an Avaya Aura solution:

300 9611G telephones running H.323 100 9641GS telephones running SIP 50 J129 telephones 50 Analog telephones
20 DCP telephones 75 Avaya Equinoxclients

How many registrations will Session Manager have to support?

- A. 225
- B. 175
- C. 100
- D. 75

Correct Answer: D

QUESTION 6

You are trying to determine how many Basic and Mainstream licenses are needed to support a proposal for Avaya IX Messaging.

Which feature requires a Mainstream license?

- A. Multiple greetings
- B. Full synchronization with 0365 email applications
- C. Distribution lists
- D. Multiple Telephone User Interfaces (TUIs)

Correct Answer: C

QUESTION 7

You are planning a branch location that requires T1/E1 Public Switched Telephone Network (PSTN) trunks. There will be a peak hour usage of 1 PSTN trunk for every 20 of the 500 users.

How many PSTN trunks and DSP resources will be needed to support calls between IP telephones and the PSTN in the branch?

- A. 31 PSTN trunks and 32 DSP resources
- B. 25 PSTN trunks and no DSP resources
- C. 25 PSTN trunks and 25 DSP resources
- D. 26 PSTN trunks and 27 DSP resources

Correct Answer: A

QUESTION 8

A customer wants to prevent additional calls from being established, and to preserve the quality active calls when the capacity limit on the WAN link is reached. The branch inter-office communication use rate is one trunk for every 20 users over the customer's star topology WAN. 600k of the WAN bandwidth is dedicated to voice.

Assuming G.729 (30k bandwidth per call) is used, which Call Admission Control (CAC) limit will meet the customer's requirement?

- A. Set the CAC limit to 10 incoming calls and 10 outgoing inter-branch calls at each branch.
- B. Set the CAC limit to 200 intra-branch calls globally in the WAN network.
- C. Set the CAC limit to 2 Mbps just for voice traffic at the headquarters main office WAN connection.
- D. Set the CAC limit to 20 inter-branch calls for each branch location.

Correct Answer: D

QUESTION 9

In preparation for the migration of CS1000 phones to Avaya Aura your customer is trying to understand how things will work after the migration.

How will CS1000 phones register?

- A. To Session Manager via the Avaya Device Adapter
- B. Directly to Communication Manager
- C. Directly to the Avaya Device Adapter

D. To System Manager via the Avaya Device Adapter

Correct Answer: C

QUESTION 10

You are working on a solution design for an Avaya Aura 8.1 solution and estimating how many Digital Signaling Processor (DSP) resources will be needed.

Which two types of calls require DSP resources? (Choose two.)

- A. H.323 to H.323 calls
- B. ad hoc conference calls
- C. SIP to H.323 station calls
- D. SIP to SIP calls

Correct Answer: C

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