

600-210^{Q&As}

Implementing Cisco Service Provider Mobility UMTS Networks

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QUESTION 1

According to 3GPP standards, which option is the interface between the Charging Data Function and the Charging Gateway Function?

- A. Gz
- B. Gc
- C. AAA
- D. Rf
- E. Ga

Correct Answer: E

QUESTION 2

Which two nodes are introduced as part of UMTS as defined by 3GPP standards? (Choose two.)

- A. SGSN
- B. GGSN
- C. RNC
- D. VLR
- E. NodeB
- F. VLR

Correct Answer: CE

QUESTION 3

Which statement about the sgtp-service configuration on the Cisco ASR 5000 SGSN system is true?

- A. sgtp-service should be in the same context as sgsn-service.
- B. An operator policy configuration that associates the sgtp-service should be present.
- C. GTPC and GTPU bind address shall be different in the sgtp-service.
- D. sgtp-service can be associated with multiple GTPU services.

E. Only one GTPC bind address can be present in the sgtp-service.

Correct Answer: E

QUESTION 4

Your company wants to limit bandwidth for Skype traffic. You have been tasked to configure Application Detection and Control using the Cisco ASR 5000 to detect Skype traffic for all subscribers. If Skype traffic is detected, limit the uplink and downlink data rate to 32 kb/s. Which required configuration is needed to complete this task?

A. active-charging service ACS_ACME p2p-detection protocol skype

```
ruledef skype_detection
```

```
p2p protocol = skype
```

```
exit
```

```
charging-action skype_rate_limit
```

```
content-id 1500
```

```
flow limit-for-bandwidth direction downlink peak-data-rate 32000 peak-burst- 8000 violate- action
```

```
discard
```

```
flow limit-for-bandwidth direction uplink peak-data-rate 32000 peak-burst- 8000 violate- action discard
```

```
rulebase acme_rulebase
```

```
action priority 1000 ruledef skype_detection charging-action skype_rate_limit
```

B. active-charging service ACS_ACME ruledef skype_detection p2p protocol = skype exit charging-action skype_rate_limit content-id 1500 flow limit-for-bandwidth direction downlink peak-data-rate 16000 peak-burst- 8000 violate- action discard flow limit-for-bandwidth direction uplink peak-data-rate 16000 peak-burst- 8000 violate- action discard rulebase acme_rulebase action priority 32000 ruledef skype_detection charging-action skype_rate_limit

C. active-charging service ACS_ACME p2p-detection protocol skype ruledef skype_detection p2p protocol = skype flow limit-for-bandwidth direction downlink peak-data-rate 32000 peak-burst- 8000 violate- action discard flow limit-for-bandwidth direction uplink peak-data-rate 32000 peak-burst- 8000 violate- action discard exit rulebase acme_rulebase action priority 1000 ruledef skype_detection

D. active-charging service ACS_ACME p2p-detection protocol skype ruledef skype_detection p2p protocol = skype_traffic exit charging-action skype_rate_limit content-id 1500 flow limit-for-credit direction downlink peak-data-rate 32000 peak-burst- 8000 violate- action discard flow limit-for-credit direction uplink peak-data-rate 32000 peak-burst- 8000 violate-action discard rulebase acme_rulebase action priority 1000 ruledef skype_detection charging-action skype_rate_limit

Correct Answer: A

QUESTION 5

Which action does an S4-SGSN take when it receives a secondary PDP context request from the UE?

- A. A bearer resource command is sent to the SGW.
- B. A create bearer request is sent to the SGW.
- C. A create session request is sent to the SGW.
- D. A create PDP context request is sent to the SGW.

Correct Answer: A

QUESTION 6

Which option describes how DNS snooping is used on the Cisco ASR 5000?

- A. DNS snooping allows the Cisco ASR 5000 to snoop DNS query packets and compare against known DNS responses. If a match is found, the Cisco ASR 5000 replies to the query itself instead of forwarding the query to the destination DNS server.
- B. DNS snooping allows the Cisco ASR 5000 to detect if a DNS response sent back to a subscriber is valid. If the response is invalid, the Cisco ASR 5000 drops the packet.
- C. DNS snooping allows the Cisco ASR 5000 to enable set of dynamic IP rules to be installed based on the response to DNS queries sent by a subscriber that matches a configured domain rule definition. Dynamic IP rules are created for these IP entries within the same rule that has the domain name, which applies the same charging action to these dynamic rules.
- D. DNS snooping allows the Cisco ASR 5000 to enable set of dynamic domain rules to be installed based on the response to DNS queries sent by a subscriber that matches a configured domain rule definition. Dynamic domain rules are created for the DNS responses within the same rule that has the domain name, which applies the same charging action to these dynamic rules.

Correct Answer: C

QUESTION 7

What layer of the OSI model does the BSSAP+ protocol map to?

- A. Data link layer
- B. Network layer
- C. Transport layer
- D. Application layer

Correct Answer: D

QUESTION 8

Which three AVPs are needed to enable usage monitoring over Gx on the GGSN? (Choose three.)

- A. Bearer-Identifier
- B. Monitoring-Key
- C. QoS-Information
- D. Granted-Service-Unit
- E. Usage-Monitoring-Level
- F. Usage-Monitoring-Support

Correct Answer: BDE

QUESTION 9

During the network-initiated PDP activation procedure, which network entity provides the GGSN the address of the SGSN, which the subscriber is attached to?

- A. AAA
- B. OCS
- C. PCRF
- D. HLR

Correct Answer: D

QUESTION 10

Which two functionalities does an update PDP context request sent from the GGSN to the SGSN provide? (Choose two.)

- A. Provide a PDP address to the MS.
- B. Check that the PDP context is active.
- C. Delete a PDP context from the SGSN.
- D. Establish a network-requested secondary PDP context activation procedure.

E. Establish a network-requested primary PDP context activation procedure.

Correct Answer: AB

QUESTION 11

Which option lists the correct order of the SS7 routing flow in the Cisco ASR 5000 SGSN system?

- A. The call control profile is checked for any rejection, then the map-service is checked for any form of routing definitions.
- B. The map-service is checked for any form of routing definitions, then the call control profile is checked for any rejection.
- C. The call control profile is checked for any rejection, then the SGSN-Service is checked for any rejection.
- D. The SGSN service is checked for any rejection, then the call control profile is checked for any rejection.

Correct Answer: A

QUESTION 12

Drag the protocol on the left to its port number on the right.

FTP	22
HTTP	25
SMTP	80
DNS	53
SSH	21

Select and Place:

Drag the protocol on the left to its port number on the right.

FTP	22
HTTP	25
SMTP	80
DNS	53
SSH	21

Correct Answer:

Drag the protocol on the left to its port number on the right.

	SSH
	SMTP
	HTTP
	DNS
	FTP

QUESTION 13

Which two options are benefits of Port Resource Pooling? (Choose two.)

- A. allows for increased number of network-requested PDP activations
- B. reduces the number of GGSN initiated deactivate procedure
- C. provides resiliency
- D. reduces the signaling towards the SMSC
- E. reduces the number of inter-SGSN RAU procedures

Correct Answer: CD

QUESTION 14

What two routing keys can be used to filter SS7 messages? (Choose two.)

- A. DPC
- B. DPC [+SSN]
- C. IMEI
- D. MSISDN
- E. IMEISV

Correct Answer: AB

QUESTION 15

How does an S4-SGSN identify a peer node as an SGSN or MME when GUTI-to-RAI mapping is unavailable?

- A. MSB of the LAC value
- B. MSB of the RAC value
- C. LSB of the LAC value
- D. LSB of RAC value

Correct Answer: A

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