



600-210^{Q&As}

Implementing Cisco Service Provider Mobility UMTS Networks

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**QUESTION 1**

Which organization developed and maintains the Universal Mobile Telecommunications System?

- A. 3GPP2
- B. 3GPP
- C. ITU
- D. ANSI

Correct Answer: B

QUESTION 2

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 3

Which two transport protocols does the Diameter base protocol run on? (Choose two.)

- A. UDP
- B. TCP
- C. DCCA
- D. SCTP
- E. GRE
- F. DCCP

Correct Answer: BD

QUESTION 4

Your company is adding additional subscriber IP network ranges and requires many-to-one NAT to be configured on the Cisco ASR 5000 for the subscriber IP network 10.11.23.0/24. The public IP range is 172.20.21.20 172.20.21.110, and each IP has no more than 100 subscribers. Which configuration option accomplishes this task?

- A. active-charging service ACS_ACME access-ruledef apn_cisco ip src-address = 10.11.23.0/24 fw-and-nat policy base_1 access-rule priority 1 access-ruledef apn_cisco permit nat-realm nat_pool1 nat policy nat-required default-nat-realm nat_pool1 rulebase acme_rulebase fw-and-nat default-policy base_1 context cisco ip pool nat_pool1 range 172.20.21.20 172.20.21.110 napt-users-per-ip-address 100
- B. active-charging service ACS_ACME access-ruledef apn_cisco ip src-address = 10.11.0.0/16 fw-and-nat policy base_1 access-rule priority 1 access-ruledef apn_cisco permit nat-realm nat_pool1 nat policy nat-required default-nat-realm nat_pool1 rulebase acme_rulebase fw-and-nat default-policy base_1 context cisco ip pool nat_pool1 range 172.20.21.20 172.20.21.110 napt-users-per-ip-address 1000
- C. active-charging service ACS_ACME access-ruledef apn_cisco ip src-address = 10.11.23.0/24 nat-and-pat policy nat_1 access-rule priority 1 access-ruledef apn_cisco permit nat-realm nat_pool1 nat policy nat-required default-nat-realm nat_pool1 context cisco ip pool nat_pool1 range 172.20.21.20 172.20.21.29 napt-users-per-ip-address 100
- D. active-charging service ACS_ACME access-ruledef apn_cisco ip src-address = 10.11.23.0/24 fw-and-nat policy base_1 access-rule priority 1 access-ruledef apn_cisco permit nat-realm nat_pool1 nat policy nat-required default-nat-realm nat_pool1 rulebase acme_rulebase fw-and-nat default-policy base_1 context cisco ip pool nat_pool1 range



172.20.21.20 172.20.21.29 napt-users-per-ip-address 100

Correct Answer: A

QUESTION 5

Which statement describes HTTP header enrichment and its uses?

- A. HTTP header enrichment allows the operator to define a policy that inserts x-header fields into HTTP POST or GET request packets to provide specific subscriber information such as IMSI or MSISDN to the HTTP server without changing the protocol.
- B. HTTP header enrichment is the process that allows HTTP headers to be compressed for optimal transfer across the network.
- C. HTTP header enrichment allows the operator to define a policy that detects the HTTP packet that requires header enrichment. If a match occurs, the policy drops the packet, modifies the packet inline with quality of service definitions, or creates a log message and forwards the packet unmodified.
- D. HTTP header enrichment is the process in which a HTTP packet is analyzed for missing or partial header fields. If missing fields are detected or incomplete, the Cisco ASR 5000 can then take action to insert a new header, repair an existing header, create a log entry, and forward the packet.

Correct Answer: A

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