

# 4A0-M02<sup>Q&As</sup>

Alcatel-Lucent Mobile Gateways for the LTE Evolved Packet Core

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## QUESTION 1

Based on the information shown in the exhibit, how many IP addresses has the PGW allocated in total for all UEs?

```
A:PGW# show mobile-gateway pdn bearer-context

=====
Bearer context
=====
IMSI                APN                Bearer  Type  QCI/ARP  MBR/GBR  SDFs
-----
302720123456791    ipd.alcatel        5       Def   9/12     -         0
302720123456791    ipd.alcatel        6       Ded   2/2     30000/20000  1
302720123456790    ipd.alcatel        5       Def   9/12     -         0
302720123456790    ipd.alcatel        6       Ded   3/3     30000/20000  1
302720123456789    ipd.alcatel        5       Def   9/12     -         0
302720123456789    ipd.alcatel        6       Ded   4/4     30000/20000  1
=====
```

- B. 5
- C. 4
- D. 3
- E. 2
- F. 1

Correct Answer: D

## QUESTION 2

On Alcatel-Lucent 7750 PGW, which of the following CLI commands can be used to debug a given IMSI?

- A. debug mobile-gateway pdn 1 pdn-session imsi 226041000000008
- B. debug mobile-gateway pdn 1 pdn-session-db imsi 226041000000008
- C. debug mobile-gateway pdn 1 pdn-session imsi 226041000000008 apn ipd.alcatel-lucent.com
- D. debug mobile-gateway pdn 1 pdn-session-db imsi 226041000000008 apn ipd.alcatel-lucent.com
- E. Answers A and C are both correct.
- F. Answers B and D are both correct.

Correct Answer: C

## QUESTION 3

Which of the following most accurately identifies a GTP tunnel on the Alcatel-Lucent 7750 MG by default?

- A. A TEID
- B. The System IP address
- C. A UDP port number
- D. A TEID and the System IP address
- E. A TEID, the System IP address and a UDP port number

Correct Answer: E

#### QUESTION 4

Based on the information shown in the exhibit, when the SGW receives an IP packet from the UE, which of the following is the GTP TEID value expected to be received in the GTP packet header?

```
A:SGW# show mobile-gateway serving bearer-context imsi 302720123456789 detail
=====
Bearer context detail
=====
IMSI           : 302720123456789
APN            : ipd.alcatel-lucent.com
Bearer Id      : 5                Bearer type      : Default
Up Time       : 0d 00:02:07

QCI/ARP       : 9/12
QoS UL MBR    : 0 Kbps           QoS DL MBR     : 0 Kbps
QoS UL GBR    : 0 Kbps           QoS DL GBR     : 0 Kbps

S5 PGW Data TEID : 0xd05025      S5 SGW Data TEID : 0x4b00805
S5 PGW Data addr : 10.10.7.2
S5 SGW Data addr : 10.10.7.1
S1U eNodeB TEID : 0x21          S1U SGW TEID    : 0x4b00825
S1U eNodeB addr : 10.10.2.100
S1U SGW address  : 72.22.24.163

S5 UL packets   : 404532         S5 UL bytes     : 21906876
S1U DL packets  : 404514         S1U DL bytes    : 579961815
S11 QoS Modify  : 0

-----
Number of bearer contexts : 1
=====
```

- A. 0xd05025
- B. 0x4b00805
- C. 0x21
- D. 0x4b00825
- E. None of the above answers are correct.

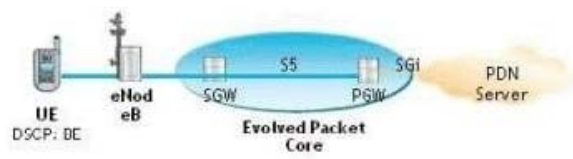
Correct Answer: D

**QUESTION 5**

A UE is sending best-effort (BE) IP traffic to a PDN server over the EPC core. Based on the information shown in the exhibit, what is the DSCP value of traffic egressing the SGi interface of the PGW to the PDN server?

```
*A:PGW>config>mobile# info
-----
profile
  diameter-peer "diam-peer-1"
  application-type gx
  destination-realm "lucent.com"
  diameter-profile "default"
  interface "int-gx"
  peer 10.10.5.2 port 3868
  no shutdown
  exit
exit
policy-options
  qci-policy "dl-qci-pl"
  qci 9 arp 12
  dscp ef
  no dscp-preserve
  fc "af"
  profile in
  exit
  qci-policy "ul-qci-pl"
  qci 9 arp 12
  dscp af21
  no dscp-preserve
  profile out
  exit
  exit
exit
exit
pdn 1
  apn "ipd.alcatel-lucent.com"
  pcrf-selection
  dynamic-pcc
  exit
  ip-alloc-method local-pool
  pdn-type ipv4
  pdn-type ipv6
  pdn-type ipv4v6
  router "Base"
  ip-local-pool "ipdpool"
  exit
  selection-mode subscribed-apn
  no shutdown
  exit
exit
```

<Output continued in the right window>



```
signaling
  diameter
  origin-host "diam.origRealm.com"
  origin-realm "origRealm.com"
  profile "default"
  exit
  interface "system"
  exit
  kpi-kci
  exit
  gx
  pcrf-selection
  primary-diameter-peer "diam-peer-1"
  exit
  s5
  interface
  gtp-c "int-s5"
  gtp-u "int-s5"
  exit
  no shutdown
  exit
  system
  group 1 redundancy one-to-one gateway 1
  card 2 working
  exit
  exit
```

- A. BE
- B. EF
- C. AF21
- D. NC
- E. None of the above answers are correct.

Correct Answer: A