



Free Questions for 4A0-C02 by certscare

Shared by Freeman on 09-08-2024

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Question 1

Question Type: MultipleChoice

A physical port has three associated buffer pools. Which of the following buffer pool combinations is associated to a physical port?

Options:

- A- Access ingress, access egress, network egress
- B- Access ingress, network ingress, network egress
- C- Port ingress, port egress, shared bi-directional
- D- Port ingress, port egress, network egress
- E- Port ingress, network ingress, network egress

Answer:

A

Question 2

Question Type: MultipleChoice

A queue is configured with the following attributes:

MBS = 10KB

CBS = 5KB

High-Priority-Only = 20%

Assume that there is no CBS overbooking and that the slope-policy is disabled. If the current queue depth is 3KB, what will happen to an out-of-profile packet arriving at an egress queue?

Options:

- A-** It will be queued in the reserved portion of the buffer pool and remain out-of-profile.
- B-** It will be queued in the reserved portion of the buffer pool if there are no in-profile packets already in the queue.
- C-** It will be queued in the reserved portion of the buffer pool and be in-profile.
- D-** It will be queued in the shared portion of the buffer pool but contend for shared buffer space with packets from other queues.
- E-** It will be queued in the shared portion of the buffer pool but may be dropped if the buffer utilization exceeds the start-average value of the low slope.

Answer:

A

Question 3

Question Type: MultipleChoice

Click the exhibit button below. Given the output of the `#show pools 1/2/2 network-egress` command on a GigE port, what can the service provider deduce? (Choose two)

```
A:srla>config# show pools 1/2/2 network-egress
```

```
=====
Pool Information
=====
```

```
Port          : 1/2/2
Application   : Net-Egr          Pool Name      : default
Resv CBS      : Sum
```

```
-----
Utilization      State  Start-Avg Max-Avg  Max-Prob
-----
```

```
High-Slope      Down   70%    90%    80%
Low-Slope       Up     10%    50%    80%
```

```
Time Avg Factor : 7
Pool Total      : 20480 KB
Pool Shared     : 12288 KB          Pool Resv      : 8192 KB
```

```
Pool Total In Use : 704 KB
Pool Shared In Use : 192 KB          Pool Resv In Use :
512 KB
WA Shared In Use  : 1 KB
```

```
Hi-Slope Drop Prob : 0          Lo-Slope Drop Prob : 0
```

```
-----
FC-Maps      MBS      Depth  A.CIR      A.PIR
              CBS
-----
```

FC-Maps	MBS CBS	Depth	A.CIR O.CIR	A.PIR O.PIR
be 12	192 0	190	0 0	1000000 Max
af	10240 1792	456	250000 250000	1000000 Max
l1	5120 512	0	250000 250000	1000000 Max
h2	10240 1792	0	1000000 Max	1000000 Max
ef	10240 1792	0	1000000 Max	1000000 Max
h1	512 512	0	100000 100000	10000 10000
nc	5120 512	0	100000 100000	1000000 Max

Options:

- A- QoS is not configured on the router.
- B- Packets in forwarding classes 'be' and '12' are being queued.
- C- Traffic belonging to forwarding class 'ef' is not experiencing queuing delays.
- D- Traffic belonging to forwarding class '11' will never make use of the shared buffer pool.
- E- Out-of-profile traffic in the shared buffer pool is being dropped.

Answer:

B, C

Question 4

Question Type: MultipleChoice

On the Alcatel-Lucent 7750 SR, where can network-queue policies be applied? (Choose two)

Options:

- A- On the network egress port.
- B- On the SDP.
- C- On the access ingress port.
- D- On the egress MDA.
- E- On the SAP.
- F- On the ingress MDA.

Answer:

A, F

Question 5

Question Type: MultipleChoice

If traffic is destined to queue 5, which has a high-priority-only value of 0 in the network-queue policy, all out-of-profile packets will be dropped.

Options:

A- TRUE

B- FALSE

Answer:

B

Question 6

Question Type: MultipleChoice

How many queues are available for use on service egress within a VPLS service?

Options:

A- 1 multipoint and 8 unicast.

B- 8 queues, regardless of traffic type.

C- 8 unicast and 24 multipoint.

D- 8 unicast and 8 multipoint.

E- 16 queues, distributed as desired.

Answer:

B

Question 7

Question Type: MultipleChoice

Which of the following statements BEST describes an MBS parameter?

Options:

- A- It specifies the maximum rate at which a queue can be serviced.
- B- It specifies the maximum depth of a queue beyond which packets will be dropped.
- C- It specifies the portion of a queue that is taken from the reserved buffer pool.
- D- It specifies the threshold beyond which only in-profile packets will be queued.
- E- It specifies the peak bandwidth that can be attained by the incoming traffic.

Answer:

B

Question 8

Question Type: MultipleChoice

Which of the following should be performed if a service provider does not want packets to make use of the shared buffer space when queued?

Options:

- A- Set the CBS to 0.
- B- Set the MBS equal to the CBS.
- C- Set the high-priority-only equal to the MBS.
- D- Set the MBS to 0.
- E- Set the high-priority-only to 0.

Answer:

B

Question 9

Question Type: MultipleChoice

Click the exhibit button below. Given the SAP-ingress policy, which of the following statements are FALSE? (Choose three)

```
*A:srcdev3r1>config>qos# info
-----
#-----
echo "QoS Policy Configuration"
#-----
  sap-ingress 66 create
    queue 1 create
    exit
    queue 3 profile-mode create
      parent "high" level 5 weight 100 cir-level 5
      rate 50000 cir 10000
    exit
    queue 5 create
      parent "high" level 7 weight 100 cir-level 7
      rate 30000 cir 20000
    exit
    queue 6 create
      parent "high" level 8 weight 100 cir-level 8
      rate 2000 cir 2000
    exit
    queue 11 multipoint create
    exit
  fc "af" create
    queue 3
    profile in
    exit
  fc "ef" create
    queue 6
    exit
  fc "h2" create
    queue 5
    exit
  ip-criteria
    entry 10 create
      match protocol tcp
      dst-port eq 1234
    exit
    action fc "ef" priority high
    exit
  entry 15 create
```

Options:

- A- Queue 5 is using priority mode.
- B- UDP traffic can be serviced at a maximum rate of 20 Mbps.
- C- Ping traffic is place in queue 5.
- D- Queues 5 and 6 will receive equal portions of any remaining available bandwidth to meet their above-CIR bandwidth requirements.
- E- Queue 3 is scheduled before queue 5.

Answer:

B, D, E

Question 10

Question Type: MultipleChoice

Click the exhibit button below. Given the slope-policy (below), which of the following statements are TRUE? (Choose two)

```
A:srl1>config>qos>slope-policy# info detail
-----
description "Slope policy"
high-slope
  start-avg 50
  max-avg 70
  max-prob 60
  no shutdown
exit
low-slope
  start-avg 10
  max-avg 60
  max-prob 80
  no shutdown
exit
time-average-factor 1
-----
```

Options:

- A- All out-of-profile traffic will be dropped before that of any in-profile traffic.
- B- The discard probability slope of an in-profile traffic is steeper than that of an out-of-profile traffic.
- C- When the shared buffer utilization reaches 55%, both in-profile and out-of-profile packets may be dropped.
- D- The maximum probability with which an out-of-profile packet can be dropped is higher than that of an in-profile packet.
- E- When the shared buffer utilization is at 61%, only in-profile packets are currently in the shared buffer pool.

Answer:

C, D

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