

BIG-IP® LTM Adv Topics Questions

The sample questions listed on this page are not representative of the full depth or breadth of the questions in the certification exams. We have attempted to create questions covering the same general topic areas and to use a similar voice. If you have questions about specific topics, please refer to the appropriate product manuals and/or the manuals for the Training Course associated with each exam. Most questions were written for BIG-IP LTM version 9 and 10, some are specific to version 10.

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BIG-IP, Advanced Topics Sample Questions

1. Which describe methods to manage administrative access to a BIG-IP system? (choose 3)
 - A. SSH access can be enabled or disabled.
 - B. HTTPS access can be enabled or disabled.
 - C. SSH access can be limited to specific IP addresses or networks.
 - D. HTTPS access can be limited by restricting access only to certain users.
2. In a redundant pair configuration with "partner" addresses specified for the internal VLAN, which port lockdown settings for the internal VLAN would ensure all appropriate communication can occur between the systems? (choose 2)
 - A. Allow None
 - B. Allow Default
 - C. Allow Custom, with port 443 and 22 included in the custom list
 - D. Allow Custom, with port 443 and 1028 included in the custom list
3. When Packet Filters are enabled on BIG-IP systems, what parameters can be examined to determine whether a given packet is acceptable?
 - A. Source IP Address
 - B. Destination IP Address
 - C. Source Port (UDP or TCP)
 - D. Destination Port (UDP or TCP)
 - E. All of the above
4. Which bigpipe command creates a pool?
 - A.

```
bigpipe pool testpool { member 192.168.20.1:80 member 192.168.20.2:81 }
```
 - B.

```
bigpipe add pool testpool { member 192.168.20.1:80 member 192.168.20.2:81 }
```

C. `bigpipe create pool testpool { member 192.168.20.1:80 member 192.168.20.2:81 }`

D. `bigpipe define pool testpool { member 192.168.20.1:80 member 192.168.20.2:81 }`

5. Which bigpipe command creates a Virtual Server?

A. `bigpipe virtual 100.10.10.1:80 use pool testpool`

B. `bigpipe virtual vs_http 10.10.10.1:80 use pool testpool`

C. `bigpipe virtual vs_http destination 10.10.10.1:80 pool testpool`

D. `bigpipe create virtual vs_http defined 100.10.10.1:80 use pool testpool`

6. Which type of data will be captured with the following command: (choose 3)

`tcpdump -i exp0 host 192.168.20.1 and port 80?`

A. Data must be to or from port 80

B. MAC addresses for saved packets

C. Only data to or from interface exp0

D. ASCII decodes of all saved packets.

E. Host names will be resolved for all saved packets

7. Which bigstart command restarts all processes running on the BIG-IP system?

A. `bigstart start`

B. `bigstart restart`

C. `bigstart start all`

D. `bigstart restart all`

E. none of the above

8. Which of the following data is available when bigtop is run? (choose 3)

A. Node Status

B. System State

C. Monitors assigned to each pool member

D. Nodes available behind each virtual server

9. When multiple monitors are assigned to a pool member, what options can be chosen? (choose 2)

A. If all monitors fail, the member is unavailable.

B. If specific monitors fail, the member is unavailable.

C. Even if all monitors fail, the member is still available.

D. If one or more monitors fail, the member is unavailable.

10. Given the rule below, which statements are true? (choose 2)

```
rule test_rule {
  when HTTP_REQUEST {
    if {HTTP::uri} contains "ltm" {
      HTTP::redirect http://www.f5.com
    }
  }
}
```

A. The following request would be redirected to <http://www.f5.com>.

<http://www.appliancenet/html.com>

B. The following request would be redirected to <http://www.f5.com>.

<http://www.appliancenetltm/products>

C. The following request would be redirected to <http://www.f5.com>.

<http://www.appliancenet/ltm/products>

D. The following request would be redirected to <http://www.f5.com>

<http://www.appliancent/ltml/products>

11. Given the iRule below, which of the following statements are true? (choose 3)

```
rule test_rule {
  when HTTP_REQUEST {
    if { [ findstr [HTTP::uri] "?" 7 2 ] == "ca" } {
      pool pool2
    }
    else {
      discard
    }
  }
}
```

A. The following request would be discarded:

<http://www.xyz.com/index.html/?ctry=ca5678&user=ca5678>

B. The following request would be sent to pool2:

<http://www.xyz.com/index.html/?userid=ca5678&state=wa>

C. The following request would be sent to pool2:

<http://www.xyz.com/index.html/?users=ca5678&state=wa>

D. The following request would be discarded:

<http://www.xyz.com/index.html/?userid=ca5678&state=wa>

E. The following request would be sent to pool2:

`http://www.xyz.com/index.html/?ctry=ca5678&state=wa`

12. Which of the following parameters can be used to persist using a universal persistence? (choose 3)

- A. An IP Address
- B. Any text string within a cookie
- C. Any text string within the `http_uri`
- D. Any bytes within the initial client request field
- E. The value in the TCP acknowledgement field

13. Which statements are true regarding SSL Persistence? (choose 2)

- A. SSL persistence is configured within the pool.
- B. SSL persistence is based on the client's SSL session ID.
- C. SSL persistence is based on the client's source IP Address.
- D. When no SSL persistence record is found, the client will be load balanced to a pool member.

14. Which statements are requirements concerning the configuration of a "Firewall Sandwich"? (choose 4)

- A. The "internal" BIG-IP system must have a mechanism, such as a virtual server, if in-bound requests are to be load-balanced.
- B. The "external" BIG-IP system must have a mechanism, such as a Transparent Monitor, to determine which firewalls are available.
- C. The "external" BIG-IP system must have a mechanism, such as a Network Virtual Server, if in-bound requests are to be load-balanced.
- D. The "external" BIG-IP system must have a mechanism, such as a Forwarding Virtual Server, if out-bound requests are to be processed.
- E. The "internal" BIG-IP system must have a mechanism, such as a Wildcard Virtual Server, if out-bound requests are to be load-balanced.

15. How does "SNAT Automap" differ from other SNATs? (choose 2)

- A. SNAT Automap processing is always performed on every VLAN.
- B. SNAT Automap can only be processed on traffic initiation destined for the Internet (out-bound).
- C. When processed by SNAT Automap, the client's address could be translated to multiple IP addresses.
- D. When processed by SNAT Automap, the client's address is translated to one of the BIG-IP system's self addresses, preferably a floating IP on the egress VLAN.

16. Which statement regarding SNAT pools and Automap is true?

- A. SNAT pools can be associated with profiles.

- B. SNAT pools can not be associated with iRules.
- C. SNAT pools can contain virtual server addresses.
- D. A pool of self-IP addresses must be configured when using SNAT Automap.

17. Which methods can be used by a BIG-IP system to notify an administrator when warranted? (choose 3)

- A. e-mail
- B. SNMP Puts
- C. SNMP Traps
- D. Directing events to central system log servers

18. Which statement is true regarding OneConnect processing?

- A. The virtual server does not require a profile.
- B. The number of client connections are reduced.
- C. Server-side requests can utilize existing client connections.
- D. Server-side requests can utilize existing server connections.

19. Which are requirements for "VIP Bounceback" configurations to function properly? (choose 2)

- A. The client machine must have access to the virtual server.
- B. The chosen pool's nodes must send responses through the BIG-IP system.
- C. The BIG-IP system must have a SNAT defined to translate all client addresses.
- D. The BIG-IP system must have a SNAT defined to translate select client addresses.

20. When of the following statements are true regarding Rate Shaping? (choose 2)

- A. Rate classes can be associated with pools.
- B. Rate classes can be associated with filters.
- C. Rate classes can be associated with nodes.
- D. Rate classes cannot be associated with profiles.

BIG-IP, Advanced Topics Answer Key

Question	Answers
1	ABC
2	BD
3	E
4	A
5	C
6	ACE
7	E

8	ABD
9	AD
10	CD
11	ACD
12	ABC
13	BD
14	ACDE
15	CD
16	C
17	ACD
18	D
19	AB
20	BD