

GTM v9.x 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. This certification Practice Exam was written for version 9.x of BIG-IP®GTM. Some features have changed slightly between versions.

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GTM v9.x Sample Questions

1. Which settings can be specified during the Setup Utility?
(choose 3)
 - A. Default gateway.
 - B. Self IP addresses.
 - C. Wide-IP Pool Members.
 - D. Virtual Server addresses.
 - E. Password of root account.
2. Which statement about root DNS servers is true?
 - A. Root servers have databases of all DNS servers.
 - B. Root servers have databases of the DNS servers for registered domains.
 - C. Root servers have databases of DNS servers for each geographical area. They direct requests to appropriate LDNS servers.
 - D. Root servers have databases of commonly accessed sites. They also cache entries for additional servers as requests are issued.
3. The configuration of the GTM System involves defining physical and logical objects. Which of the following are examples of logical objects?
(choose 2)
 - A. Pools
 - B. Links
 - C. Servers
 - D. Wide IPs
 - E. Data Centers

4. Listeners that correspond to floating addresses are stored in which configuration file?
 - A. /config/gtm.conf
 - B. /config/bigip.conf
 - C. /config/gtm/wideip.conf
 - D. /config/bigip_local.conf

5. When an LTM System is added to the GTM System's list of systems, which of the following occur?
(choose 3)
 - A. That LTM System's name can now be resolved to its IP address.
 - B. A Virtual Server managed by the LTM System may now become a part of a Pool.
 - C. The LTM System can be probed using DNS_REV to determine the capabilities of its Virtual Server.
 - D. The iQuery protocol can be used to share information between the LTM System and GTM System.
 - E. That LTM System may now be tasked to perform server probes and report that information back to the GTM System.

6. When a Generic Host Server is added to the GTM System's list of systems, which of the following occur?
(choose 2)
 - A. The Generic Host Server's name can now be resolved to its IP address.
 - B. A Virtual Server managed by the Generic Host Server may now become associated with a Pool.
 - C. The Generic Host Server can be monitored using SNMP to determine the capabilities of its Virtual Servers.
 - D. The iQuery protocol can be used to share information between the Generic Host Server and the GTM System.
 - E. The Generic Host Server may now be tasked to perform server probes and report that information back to the GTM System.

7. Which of the following is a characteristic of iQuery?
 - A. Packets are encrypted over SSL and use TCP port 53.
 - B. Packets are encrypted over SSL and use TCP port 4353.
 - C. Packets are encrypted over HTTPS and use TCP port 53.
 - D. Packets are encrypted over HTTPS and use TCP port 4353.

8. Which of the following are characteristics of GTM System Pools?
(choose 2)
- A. A pool must contain more than one Virtual Server.
 - B. A pool can contain one or more Wide-IPs from the same Data Center.
 - C. A pool can contain one or more Virtual Servers from the same Data Center.
 - D. A pool has three levels of Load Balancing defined (Preferred, Alternate, Fallback).
9. Where is the GTM configuration backup file stored?
- A. /var/local/ucs
 - B. /usr/local/ucs
 - C. /config/gtm/ucs
 - D. /config/bigip/ucs
10. A GTM System would like to ensure that a given LTM System is reachable and iQuery communication is allowed prior to sending it client request. Which of the following would be the simplest monitor template to use?
- A. UDP
 - B. TCP
 - C. ICMP
 - D. SNMP
 - E. BIGIP
11. When a snmp_gtm monitor is assigned to a Generic Host Server and it fails, which of the following occur?
- A. The state of that server's Virtual Servers are dependent upon the Server's monitors.
 - B. The state of that server's Virtual Servers are dependent upon the individual Virtual Servers monitors.
 - C. The state of that server's Virtual Servers are dependent upon the Wide-IP's monitors.
 - D. The state of that server's Virtual Servers are dependent upon the GTM System's monitors.
12. Which of the following protocols can be used for LDNS probes?
(choose 3)
- A. TCP
 - B. UDP
 - C. HTTP
 - D. ICMP
 - E. BIGIP

13. Which method of load balancing uses SNMP metrics to decide which virtual server to resolve to?
- A. Hop Count
 - B. Round Trip Time
 - C. Kilobytes per Second
 - D. Virtual Server Capacity
 - E. Quality of Host Server Capacity (with SNMP set to 20)
14. Which methods of load balancing use path metrics to determine which virtual server to resolve to?
(choose 2)
- A. Hops
 - B. Packet Rate
 - C. Least Connections
 - D. Global Availability
 - E. Round Trip Time
15. Which methods of persistence can be configured on the GTM System?
(choose 2)
- A. Cookie
 - B. Dynamic
 - C. SSL Session ID
 - D. Completion Rate
 - E. Global Availability
16. Which command is used to stop the name daemon control process?
- A. zrd stop
 - B. ndc stop
 - C. rndc stop
 - D. gtmnd stop
17. When BIND receives a DNS request for a host name for which multiple addresses are assigned, what is the result?
- A. BIND returns the address of the service that is functioning the best.
 - B. BIND picks an address and returns it regardless of the viability of the service.
 - C. BIND returns an address after verifying the chosen address is functioning properly.
 - D. BIND returns the address of the service that is closest to the location of the requesting DNS server.

18. What information is stored in zone database files?
(choose 3)
- A. A point of contact for the zone.
 - B. The name of the database file for the zone.
 - C. A list of the secondary servers for the zone.
 - D. The addresses of the DNS servers for the zone.
 - E. The optional names that are resolvable for important services in the zone.
19. Zone database files are stored in which location?
- A. /var/named/config/named
 - B. /var/config/named/named
 - C. /var/named/config/namedb
 - D. /var/config/named/namedb
20. What tool can be used to create and manage zone files?
- A. Namesurfer
 - B. Zonerunner
 - C. The Setup Utility
 - D. 3dnsmaint script
21. Which file has the primary responsibility in determining the type of messages that are captured and where that information is stored?
- A. /etc/gtm.conf
 - B. /etc/syslog.conf
 - C. /etc/syslog-ng.conf
 - D. /etc/snmptrap.conf
22. What are two advantages of the Quality of Service (QoS) load balancing method?
(choose 2)
- A. It resolves requests to the site with highest QoS value in the IP header.
 - B. It combines multiple load balancing metric values in a single load balancing method.
 - C. It resolves requests using the load balancing method with the current best metric of those selected for QoS.
 - D. It allows the GTM administrator to place relative values on each metric used to determine the optimum site.
23. Which load balancing method distributes resolutions based on the proximity of the client's local LDNS?
- A. Topology
 - B. Dynamic Ratio
 - C. Global Availability
 - D. Least Connections

24. Which event triggers an iRule when the GTM System has selected a specific pool?

- A. DNS_REQUEST
- B. DNS_RESPONSE
- C. LB_SELECTED
- D. LB_SUCCESS

25. Limits and Thresholds can be assigned to which of the following objects?

(choose 2)

- A. Pools
- B. Servers
- C. Wide IPs
- D. Data Centers
- E. Virtual Servers

GTM v9.x Answer Key (Based on BIG-IP Version 9.2)

Question	Answer	Question	Answer	Question	Answer
1	A,B,E	9	A	17	B
2	B	10	E	18	A,D,E
3	A,D	11	B	19	C
4	B	12	A,B,D	20	B
5	B,D,E	13	C	21	C
6	B,C	14	A,E	22	B,D
7	B	15	B,E	23	A
8	C,D	16	C	24	C
				25	B,E