F5 302

F5 BIG-IP DNS Specialist Certification Questions & Answers

Get Instant Access to Vital Exam Acing Materials | Study Guide | Sample Questions | Practice Test

F5 Certified Technology Specialist, BIG-IP DNS
80 Questions Exam – 245 / 350 Cut Score – Duration of 90 minutes

Table of Contents:

Discover More about the F5 302 Certification

Are you interested in passing the F5 302 exam? First discover, who benefits from the 302 certification. The 302 is suitable for a candidate if he wants to learn about Specialist. Passing the 302 exam earns you the F5 Certified Technology Specialist, BIG-IP DNS title.

While preparing for the 302 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 302 PDF contains some of the most valuable preparation tips and the details and instant access to useful **302 study materials just at one click.**

F5 302 BIG-IP DNS Specialist Certification Details:

Exam Name	F5 Certified Technology Specialist, BIG-IP DNS
Exam Code	302
Exam Price	$180 (USD)
Duration	90 mins
Number of Questions	80
Passing Score	245 / 350
Schedule Exam	**Pearson VUE**
Sample Questions	**F5 BIG-IP DNS Specialist Sample Questions**
Practice Exam	**F5 302 Certification Practice Exam**

F5 302 Syllabus:

Topic	Details
DESIGN AND ARCHITECT	
Identify customer requirements, constraints, and challenges related to DNS	- Recognize the functionality and limitations of the DNS protocol (e.g., hierarchy, roles) - Determine relevant information to gather regarding a customer's need for high availability, security, and management
Evaluate existing DNS environment for BIG-IP DNS solutions	- Ascertain specific scope and scale of DNS requirements - Recognize limitations imposed by the existing DNS service provider - Identify change control procedure related the

Topic	Details
	integration of BIG-IP DNS into an existing environment
Determine appropriate deployment and integration strategy for a BIG-IP DNS solution	- Given a customer environment, requirements, and constraints, select an appropriate deployment model - Given a customer environment, requirements, and constraints, recognize the use case for DNS Express, Zone Runner, DNS 64, DNSSEC, DNS Cache, various load balancing algorithms, persistence, and/or health monitor
Determine performance requirements for a BIG-IP DNS solution	- Relate the performance characteristics of virtual edition and physical hardware to a specific use case - Employ topology load balancing to optimize user experience - Predict the performance implications pertaining to key DNS features (e.g., DNSSEC, topology LB)
IMPLEMENT	
Identify configuration options for TMOS and sync groups	- Create the proper self-IP configuration, routes, and settings for iQuery communications - Ensure proper NTP operation of all sync group members - Create logging profiles for DNS request and/or response
Identify configure options for GSLB	- Differentiate between, and determine when to use, the two tiers of GSLB pool selection and the three tiers of virtual server selection - Recognize the functionality of various load balancing methods (e.g., static, dynamic, and fallback) - Recognize topology load balancing configuration parameters
Identify configuration options for non-GSLB DNS components	- Determine the listener IP and protocol - Configure DNS Express and DNS Cache

Topic	Details
Identify the necessary network environment for GSLB operations	- Recognize the significance of source and destination ports for communication between BIG-IP DNS devices - Identify missing/non-functional network configurations when enabling GSLB operation (e.g., iQuery, generic host probing)
TEST AND TROUBLESHOOT	
Determine when and how to employ the appropriate network and DNS troubleshooting tools	- Use openssl to review trusted cert information - Use tcpdump to capture and analyze DNS and iQuery traffic on appropriate VLAN and IP - Use dig/nslookup to verify DNS configuration and operation
Diagnose BIG-IP DNS issues	- Investigate root cause for virtual server flapping issue - Analyze DNS request/response pattern to confirm BIG-IP DNS configuration, health monitor an iQuery operation
Analyze system log data and statistics for problem analysis	- Verify the status of pools based on relevant log entries - Analyze statistical data to pinpoint any issues regarding query response times - Analyze appropriate log for proper zone transfer operation
Address DNS-related issues based on troubleshooting and log analysis	- Apply config change (e.g., monitor or prober) to remedy flapping of server objects - Address proper IP address choice(s) for iQuery communication between devices
OPERATIONS AND SUPPORT	
Identify process to perform BIG-IP DNS configuration backup	- Perform the steps in the GUI to create system archive files - Issue TMSH commands to create system archive files. - Verify file creation and move to remote storage
Identify the prerequisites and procedure for BIG-IP	- Recognize the special requirements for restoring configuration data to a BIG-IP DNS RMA unit - Compare configuration objects between a new BIG-

Topic	Details
DNS configuration restoration	IP DNS and existing sync group member - Determine when and how to restore the master encryption keys for TSIG and DNSSEC
Identify various BIG-IP DNS monitoring strategies	- Configure SNMP polling - Describe and use DNS statistics and DNS analytics
Recognize appropriate procedures for performing BIG-IP DNS software upgrades	- Recognize the significance of the requirement for license reactivation prior to upgrade - Given a GSLB configuration, predict the potential end-user impact when upgrading a DNS sync group member while it is offline - Validate BIG-IP DNS operation status, post-upgrade

Broaden Your Knowledge with F5 302 Sample Questions:

Question: 1

Dynamic load balancing in BIG-IP DNS is implemented to:

a) Change server colors based on load
b) Adjust query distribution in real-time based on server performance
c) Monitor employee internet usage
d) Reduce the frequency of DNS queries

Answer: b

Question: 2

Which of the following is a key consideration when designing a DNS solution for global application deployment?

a) Geographic distribution of DNS servers
b) Choosing the programming language
c) The color scheme of the user interface
d) The type of cabling used in data centers

Answer: a

Question: 3

Implementing a Transparent Cache in BIG-IP DNS helps in:

   a) Reducing the physical footprint of servers
   b) Automating the deployment of virtual servers
   c) Encrypting DNS traffic for security
   d) Improving response times by caching frequent requests

Answer: d

Question: 4

What is the first step in deploying a BIG-IP DNS configuration?

   a) Testing the configuration
   b) Setting up a secondary DNS server
   c) Defining the listener addresses
   d) Updating the DNS records

Answer: c

Question: 5

The integration of BIG-IP DNS with cloud services is essential for:

   a) Decreasing the importance of physical data centers
   b) Enhancing graphic design elements
   c) Providing scalable and flexible DNS solutions
   d) Reducing the need for cybersecurity

Answer: c

Question: 6

In the context of BIG-IP DNS, the primary role of a 'listener' is to:

   a) Monitor system performance
   b) Receive and respond to DNS queries
   c) Manage user access controls
   d) Encrypt data transmissions

Answer: b

Question: 7

Which element is vital for disaster recovery planning in DNS architecture?

a) Offsite backup DNS servers
b) Social media integration
c) High-resolution server monitors
d) Advanced cooling systems in data centers

Answer: a

Question: 8

A critical factor in designing a scalable DNS architecture is:

a) The color scheme of the DNS management interface
b) The brand of server hardware used
c) Ensuring redundancy in DNS server deployment
d) The physical size of the data center

Answer: c

Question: 9

What is the first step in implementing a BIG-IP DNS solution?

a) Configuring Wide IPs
b) Setting up virtual servers
c) Defining listener addresses
d) Installing security certificates

Answer: c

Question: 10

When architecting a DNS solution, which aspect is crucial for scalability?

a) Static IP addressing
b) Hardware specifications
c) Single-point-of-failure elimination
d) Modular design

Answer: d

Avail the Study Guide to Pass F5 302 BIG-IP DNS Specialist Exam:

- Find out about the 302 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the **F5 302 syllabus**, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the **BIG-IP DNS Specialist training.** Joining the F5 provided training for this F5 certification exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the **F5 302 sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 302 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

Career Benefits:

Passing the F5 302 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

Here Is the Trusted Practice Test for the F5 302 Certification

CertFun.Com is here with all the necessary details regarding the 302 exam. We provide authentic practice tests for the 302 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on CertFun.Com for rigorous, unlimited two-month attempts on the **302 practice tests**, and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the F5 Certified Technology Specialist, BIG-IP DNS.

Start Online practice of F5 302 Exam by visiting URL
https://www.certfun.com/f5/302-f5-big-ip-dns-specialist