

F5 301A

**F5 BIG-IP LTM Architect, Setup, and Deploy
Certification Questions & Answers**

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301A

[F5 Certified Technology Specialist - Local Traffic Manager \(F5-CTS LTM\)](#)

80 Questions Exam – 245 / 350 Cut Score – Duration of 90 minutes

Table of Contents:

Discover More about the F5 301A Certification	2
F5 301A BIG-IP LTM Architect, Setup, and Deploy Certification Details:	2
F5 301A Syllabus:	2
ARCHITECT AND DEPLOY APPLICATIONS	2
SET UP, ADMINISTER, AND SECURE LTM DEVICES	4
Broaden Your Knowledge with F5 301A Sample Questions:	6
Avail the Study Guide to Pass F5 301A BIG-IP LTM Architect, Setup, and Deploy Exam:	9
Career Benefits:	9

Discover More about the F5 301A Certification

Are you interested in passing the F5 301A exam? First discover, who benefits from the 301A certification. The 301A is suitable for a candidate if he wants to learn about Specialist. Passing the 301A exam earns you the F5 Certified Technology Specialist - Local Traffic Manager (F5-CTS LTM) title.

While preparing for the 301A exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 301A PDF contains some of the most valuable preparation tips and the details and instant access to useful [301A study materials just at one click](#).

F5 301A BIG-IP LTM Architect, Setup, and Deploy Certification Details:

Exam Name	F5 Certified Technology Specialist - Local Traffic Manager (F5-CTS LTM)
Exam Code	301A
Exam Price	\$180 (USD)
Duration	90 mins
Number of Questions	80
Passing Score	245 / 350
Books / Training	F5 Training Programs
Schedule Exam	Pearson VUE
Sample Questions	F5 BIG-IP LTM Architect, Setup, and Deploy Sample Questions
Practice Exam	F5 301A Certification Practice Exam

F5 301A Syllabus:

Topic	Details
ARCHITECT AND DEPLOY APPLICATIONS	
Determine which configuration objects are necessary to optimally deploy an application	<ul style="list-style-type: none"> - Determine least amount of configuration objects needed to deploy application - Understand dependencies of configuration objects - Understand needed LTM profiles to deploy an application

Topic	Details
	<ul style="list-style-type: none"> - Identify unnecessary configurations objects - Understand the differences between virtual servers and virtual addresses
Determine whether or not an application can be deployed with only the LTM module provisioned	<ul style="list-style-type: none"> - Identify the functionality of LTM configuration objects - Identify LTM profile settings to deploy an application - Determine capabilities of LTM configuration objects
Identify the difference between deployments (e.g., one arm, two arm, npath, Direct Server Return/DSR)	<ul style="list-style-type: none"> - Identify configuration objects needed for L2/L3 npath routing - Determine how the IP address changes when using DSR - Determine how IP addresses change when using a full proxy deployment - Plan the network considerations for one arm and two arm deployments - Understand the importance of auto last-hop
Choose correct profiles and settings to fit application requirements	<ul style="list-style-type: none"> - Identify LTM profile settings to deploy OneConnect - Determine which profiles are needed to deploy an application - Compare and contrast different communication protocols (TCP, UDP, FastL4) - Compare performance impact of LTM profile settings
Choose virtual server type and load balancing type to fit application requirements	<ul style="list-style-type: none"> - Determine the difference between L2-L3 virtual servers - Compare and contrast standard and fastL4 virtual server types - Compare and contrast different load balancing methods - Identify different load balancing method use cases
Determine how to architect and deploy multi-tier applications using LTM	<ul style="list-style-type: none"> - Understand connection based architecture and when/how to apply - SNAT/persistence/SSL settings in a multi-tiered environment - Identify which device handles specific configuration objects in a multi-tiered deployment
Distinguish between packet based versus	<ul style="list-style-type: none"> - Demonstrate when to use packet based load balancing

Topic	Details
connection based load balancing	- Demonstrate when to use connection based load balancing
Determine which configuration objects are necessary for applications that need the original client IP address	- Determine when SNAT is required - Determine the required SNAT type - Identify functions of X-forwarded-for - Outline the steps needed to return the traffic to LTM without SNAT
Identify the matching order of multiple virtual servers	- Identify which virtual server would process particular traffic - Identify why the virtual server fails to receive traffic
Given a basic iRule's functionality, determine the profiles and configuration options necessary to implement the iRule	- Determine what virtual server profile is necessary - Determine when persistence profile is necessary
Describe how to deploy applications using iApp templates	- Recognize how to modify an application deployed with an iApp - Identify objects created by an iApp
SET UP, ADMINISTER, AND SECURE LTM DEVICES	
Determine how to secure Self IPs	- Identify which administrative services need to be accessible - Identify which configurations objects are allowing accessibility - Identify which services must be enabled for HA availability between devices
Determine how to secure virtual servers	- Determine how to limit access to virtual servers - Compare and contrast different virtual server types - Identify LTM profiles setting to limit access to virtual server resources
Determine how to perform basic device configuration	- Identify how to synch time/date amongst LTM devices - Determine how to limit administrative access to LTM device (GUI/CLI) - Identify how to restrict access to administrative partitions

Topic	Details
Determine how to perform a software upgrade while maintaining application availability	<ul style="list-style-type: none"> - Identify proper steps to avoid downtime while upgrading LTM software - Determine necessary steps for migrating LTM configuration to new hardware - Understand implications of stopping BIG-IP services
Determine how to configure a high availability group of LTM devices to fit the requirements	<ul style="list-style-type: none"> - Compare and contrast traffic groups vs HA groups - Determine what prevented an expected failover - Describe the differences between network failover and hardware failover
Apply concepts required to use BIG-IP functionality to fulfill security requirements	<ul style="list-style-type: none"> - Make use of port lockdown - Demonstrate how to restrict access to management interface - Demonstrate how to restrict access to virtual servers
Determine how configuration changes affect existing and new connections	<ul style="list-style-type: none"> - Predict persistence for existing connections - Calculate when changes will affect the connections - Predict load balancing and persistence for new connections - Determine the impact of virtual server configuration change on traffic
Explain the uses of user roles, administrative partitions, and route domains	<ul style="list-style-type: none"> - Explain how to restrict access to LTM using user roles - Discuss the benefits of administrative partitions - Apply user roles to administrative partitions - Explain the functionality of route domains - Summarize how the 3 technologies can be used together
Determine how to deploy or upgrade vCMP guests and how the resources are distributed	<ul style="list-style-type: none"> - Explain the different vCMP guest deployment states - Discuss the relationship between CPU and memory on vCMP - Select which versions can run on a guest given host version - Understand the relationship of network configuration objects between vCMP hosts and vCMP guests

Broaden Your Knowledge with F5 301A Sample Questions:

Question: 1

While working with a web developer, it is determined that additional logic is required to assess the pool member availability. Which two monitor types should be used in this scenario?

(Choose two)

- a) TCP
- b) Scripted
- c) External
- d) TCP Echo
- e) Gateway ICMP

Answer: b, c

Question: 2

A BIG IP system load balances connections to a web application. A TCP-based Denial of Service attack against the web application is occurring, which has caused very high memory utilization on the LTM device due to stale TCP connections.

Which TCP profile option should be used to reduce memory utilization?

- a) Idle timeout
- b) Multipath TCP
- c) Reset on timeout
- d) Slow Start

Answer: a

Question: 3

Remote users who access the LTM device are authenticated via Radius. The default remote user role is Guest. Some users need LTM device with the Administrator role. The F5 Radius attributes are configured on the Radius server.

Which configuration item needs to be created?

- a) User role
- b) User account
- c) Admin account
- d) Remote User role

Answer: d

Question: 4

AN LTM Specialist is setting up a new HTTPS virtual server to decrypt client traffic. SNAT the traffic and send the encrypted traffic to the pool member, the client's IP address must be included in the traffic sent to the pool member.

What is a complete set of profiles that must be configured for the virtual server to meet these requirements?

- a) TCP, Client SSL, HTTP
- b) TCP, Client SSL, Server SSL
- c) TCP, Server SSL, HTTP
- d) TCP, Client SSL, Server SSL, HTTP

Answer: d

Question: 5

A VCMP guest has the following characteristics:

- Resources allocated for CPU memory, network interfaces, and disk space
- Virtual disk created
- The guest is NOT running

The guest is NOT running in which state is the VCMP guest?

- a) Deployed
- b) Provisioned
- c) Offline
- d) Configured

Answer: b

Question: 6

An LTM device is experiencing a high volume of traffic. The virtual server is struggling under the load. The problem appears to be on the server side connections. The virtual server is accepting connections. The virtual server is accepting connections on https and is configured with an SSL profile and http pool.

What should be added to increase the performance of the device?

- a) a SPDY profile
- b) smaller key to the SSL profile
- c) a One Connect profile
- d) an HTTP Compression profile

Answer: c

Question: 7

Where does a LTM Specialist view all of the objects that are part of a deployed iApp?

- a) iAPP > Application Policy > Objects
- b) Local Traffic > Network Map > View Map
- c) IAP > Application Service > Components
- d) Local Traffic > Virtual Servers > Applications

Answer: c

Question: 8

Six servers have a varying number of connections that change based on the user load. Which load balancing method should an LTM Specialist apply to divided the web application traffic to the servers on the relative performance trend?

- a) Least Sessions
- b) Predictive
- c) Least Connections
- d) Ratio

Answer: b

Question: 9

Which Standard Virtual Server settings should an LTM Specialist use to load balance across routed path of two different ISPs?

- a) address translation disabled and port translation enabled
- b) both address and port translation disabled
- c) both address and port translation enabled
- d) address translation enabled and port translation disabled

Answer: c

Question: 10

One LTM device in an HA pair of LTM devices is unable to reach its default gateway. An HA Failover event needs to happen. Which configuration item enables this behavior?

- a) Gateway pool monitor
- b) Gateway Fail Safe
- c) Gateway pool
- d) iRule

Answer: b

Avail the Study Guide to Pass F5 301A BIG-IP LTM Architect, Setup, and Deploy Exam:

- Find out about the 301A 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 301A 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 LTM Architect, Setup, and Deploy 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 301A sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 301A 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 301A 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 301A Certification

CertFun.Com is here with all the necessary details regarding the 301A exam. We provide authentic practice tests for the 301A 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 [301A 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 - Local Traffic Manager (F5-CTS LTM).

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