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Exam Code: 402

Exam Name: F5 Cloud Solutions



Exam A

QUESTION 1

Scenario: Your company plans to implement a multi-tier architecture using F5 products in a cloud environment. What are the key considerations to ensure the success of this deployment?

- A. Reducing the number of tiers to save costs
- B. Selecting the least expensive F5 products available
- C. Ensuring the color scheme of the user interface is appealing
- D. Evaluating the scalability of F5 products across tiers

Correct Answer: D

Section:

QUESTION 2

In the N/E/S/W-bound API model, what does 'N' typically represent?

- A. Noodle
- B. Narrow
- C. Network
- D. North

Correct Answer: A, D

Section:

QUESTION 3

What should be considered when evaluating the design of a cloud solution that involves on-demand provisioning?
(Select TWO)

- A. Speed of resource deployment
- B. Cost-effectiveness of the solution
- C. Employee satisfaction with the cloud interface
- D. Availability of technical support during deployment

Correct Answer: A, B

Section:

QUESTION 4

When evaluating variables for designing a cloud bursting solution, what should be considered?
(Select all that apply)

- A. Employee commute times
- B. Cloud provider capabilities
- C. Application scalability requirements
- D. Office temperature settings



Correct Answer: B, C

Section:

QUESTION 5

When creating a cloud migration plan, what role does a cost-benefit analysis play?

- A. It assesses the financial feasibility of the migration.
- B. It helps decide the color scheme for the migration.
- C. It evaluates employee satisfaction.
- D. It determines the office layout post-migration.

Correct Answer: A

Section:

QUESTION 6

What does the term 'data sovereignty' refer to in the context of cloud migration?

- A. The legal and regulatory requirements related to data location and storage
- B. The cost of data storage in the cloud
- C. The process of migrating data to the cloud
- D. The speed at which data can be transferred to the cloud

Correct Answer: A

Section:

QUESTION 7

Which of the following are advantages of the serverless computing model?
(Select all that apply)

- A. No need for infrastructure management
- B. Lower cost compared to traditional servers
- C. Reduced operational complexity
- D. High level of control over the underlying infrastructure

Correct Answer: B, C

Section:

QUESTION 8

Scenario: While automating the orchestration of F5 services, you encounter issues with integrating third-party tools. How can a Northbound API model help address these issues?

- A. It simplifies integration with third-party tools through standardized interfaces.
- B. It eliminates the need for third-party tools altogether.
- C. It increases the need for custom API development.
- D. It limits the scope of automation to specific services.

Correct Answer: A

Section:



QUESTION 9

Which F5 product is specifically designed for global server load balancing?

- A. BIG-IP Access Policy Manager (APM)
- B. BIG-IP DNS (formerly GTM)
- C. BIG-IP Application Security Manager (ASM)
- D. BIG-IP Local Traffic Manager (LTM)

Correct Answer: B

Section:

QUESTION 10

Which F5 technology is most commonly used to automate the deployment of F5 instances in a cloud environment?

- A. F5 Silverline
- B. BIG-IQ Centralized Management
- C. BIG-IP Virtual Edition (VE)
- D. F5 Cloud Services

Correct Answer: B

Section:

QUESTION 11

Which of the following is NOT a cloud service model?

- A. Data as a Service (DaaS)
- B. Software as a Service (SaaS)
- C. Platform as a Service (PaaS)
- D. Infrastructure as a Service (IaaS)

Correct Answer: A

Section:

QUESTION 12

What is the primary goal of on-demand provisioning of application services in the cloud?

- A. To efficiently allocate and scale resources based on immediate demand
- B. To randomly provision services when no one is looking
- C. To organize weekly office parties
- D. To delay service provisioning until next year

Correct Answer: A

Section:

QUESTION 13

Which of the following is a primary advantage of using an orchestration model like N/E/S/W-bound APIs?



- A. It makes coffee for the IT team
- B. It increases the number of office plants
- C. It simplifies and automates the creation and management of services
- D. It predicts the weather accurately

Correct Answer: C

Section:

QUESTION 14

Scenario: Your company is using cloud deployment templates to automate the provisioning of application services. What best practices should be followed to ensure these templates remain effective and secure?

- A. Limit the scope of templates to only a few services.
- B. Avoid updating templates to maintain consistency.
- C. Use templates exclusively without any manual intervention.
- D. Regularly update templates to incorporate new security features.

Correct Answer: D

Section:

QUESTION 15

How can SDN technologies impact the scalability of F5 components?
(Select all that apply)

- A. SDN can provide dynamic scaling of F5 components.
- B. SDN technologies only impact F5 hardware, not virtual components.
- C. SDN technologies have no impact on F5 scalability.
- D. SDN can limit the number of F5 devices in use.

Correct Answer: A, D

Section:

QUESTION 16

Scenario: Your company is planning to implement a hybrid cloud strategy that involves application bursting during peak business hours. What considerations should you prioritize to ensure the success of this strategy?

- A. Ensure the application can scale across multiple cloud environments.
- B. Minimize the use of cloud resources to avoid additional costs.
- C. Restrict the application to a single cloud provider.
- D. Focus on reducing the application's overall resource requirements.

Correct Answer: A

Section:

QUESTION 17

Scenario: During a cloud deployment, you notice that application performance is not meeting expectations. What steps can you take to optimize instance sizing and location?

- A. Increase instance sizes indiscriminately to handle more traffic.



- B. Ignore performance issues and hope they resolve on their own.
- C. Analyze application traffic patterns and adjust instance sizes accordingly.
- D. Move all instances to a single region to simplify management.

Correct Answer: C

Section:

QUESTION 18

In the context of cloud application bursting, what does 'horizontal scaling' refer to?

- A. Reducing the number of application users
- B. Adjusting the color scheme of the application
- C. Adding more virtual machines or instances to handle increased demand
- D. Increasing the size of the data center

Correct Answer: C

Section:

QUESTION 19

Which of the following is NOT a common cloud service model?

- A. Platform as a Service (PaaS)
- B. Product as a Service (PaaS)
- C. Software as a Service (SaaS)
- D. Infrastructure as a Service (IaaS)

Correct Answer: B

Section:

QUESTION 20

What is the primary role of Identity and Access Management (IAM) in a cloud environment?

- A. To control user access and permissions within cloud services
- B. To regulate access to network devices
- C. To monitor physical security of data centers
- D. To manage hardware resources

Correct Answer: A

Section:

QUESTION 21

When designing a cloud bursting solution, what variables should be evaluated?
(Select all that apply)

- A. The CEO's favorite color
- B. Cloud provider capabilities
- C. Application scalability requirements



D. The weather forecast

Correct Answer: B, C

Section:

QUESTION 22

What are some potential challenges when designing a cloud bursting solution?

(Select all that apply)

- A. Security and data privacy concerns
- B. Incompatibility with cloud providers
- C. Excessive office coffee consumption
- D. Limited scalability

Correct Answer: A, C, D

Section:

QUESTION 23

What is the primary purpose of a Virtual Private Cloud (VPC)?

- A. To host a public website
- B. To create virtual machines
- C. To provide on-premises storage
- D. To isolate and segment network resources

Correct Answer: D

Section:

QUESTION 24

Scenario: You are evaluating different cloud service models for a new project that requires full control over the infrastructure and ability to deploy custom applications.

Which model would best meet these requirements, and why?

- A. Infrastructure as a Service (IaaS)
- B. Software as a Service (SaaS)
- C. Function as a Service (FaaS)
- D. Platform as a Service (PaaS)

Correct Answer: A

Section:

QUESTION 25

Scenario: Your organization is migrating a mission-critical application to the cloud. The application has several dependencies on on-premises systems. How would you approach this migration to minimize risk?

- A. Ignore any legacy systems and focus on the cloud transition.
- B. Perform the migration without considering dependencies to save time.
- C. Immediately decommission all on-premises systems.
- D. Identify and document all dependencies before migration.



Correct Answer: D

Section:

QUESTION 26

Scenario: Your company is using BIG-IQ Centralized Management to deploy F5 instances in a cloud environment. What benefits should you expect from using this tool during deployment?

- A. Streamlined deployment processes with automated provisioning
- B. Limited control over instance configuration
- C. Higher costs due to automation overhead
- D. Increased manual intervention to ensure precision

Correct Answer: A

Section:

QUESTION 27

Which cloud deployment model allows multiple organizations to share cloud resources while maintaining their own isolation?

- A. Public Cloud
- B. Hybrid Cloud
- C. Private Cloud
- D. Community Cloud

Correct Answer: B

Section:

QUESTION 28

What is a key constraint imposed by SDN technologies on F5 components?

- A. Inability to integrate with traditional network devices
- B. Restriction on network programmability
- C. Limited scalability of F5 devices in an SDN environment
- D. Dependence on hardware appliances

Correct Answer: C

Section:

QUESTION 29

When deploying F5 instances on a cloud infrastructure, what is the most critical factor to consider regarding instance sizing?

- A. Application traffic patterns
- B. The cost of the cloud provider
- C. The physical location of the data center
- D. The number of available IP addresses

Correct Answer: A

Section:



QUESTION 30

In the context of dynamic provisioning of an F5 instance, what is a workflow?

- A. A list of preferred employee hairstyles
- B. A step-by-step guide to making the best office coffee
- C. A document outlining company vacation policies
- D. A series of automated tasks and processes for provisioning and configuring an F5 instance

Correct Answer: D

Section:

QUESTION 31

Which cloud migration strategy involves rearchitecting applications to be cloud-native?

- A. Replatforming
- B. Rehosting (lift and shift)
- C. Repurchasing
- D. Refactoring

Correct Answer: D

Section:

QUESTION 32

Which factors are crucial when evaluating a cloud migration plan for applications?
(Select TWO)

- A. Employee preference for cloud services
- B. Cloud provider marketing campaigns
- C. Network latency and bandwidth requirements
- D. Application dependencies and integrations

Correct Answer: A, C

Section:

QUESTION 33

What are the key benefits of using F5 virtualization technologies in cloud environments?
(Select TWO)

- A. Scalability across multiple cloud regions
- B. Reduced reliance on network hardware
- C. Enhanced physical security
- D. Improved application performance

Correct Answer: A, D

Section:

QUESTION 34

What is the primary benefit of using cloud computing?

- A. Reduced IT infrastructure costs
- B. Improved physical security
- C. Faster internet speed
- D. Lower electricity bills

Correct Answer: A

Section:

QUESTION 35

Which of the following is a virtualization technology commonly used with F5 devices?

- A. Coffee machines
- B. 3D printing
- C. Virtual Servers
- D. Virtual reality headsets

Correct Answer: C

Section:

QUESTION 36

Which factors are essential for implementing a cloud migration plan?
(Select TWO)

- A. Ensuring data security and compliance
- B. Eliminating all on-premises infrastructure
- C. Minimizing application downtime during migration
- D. Reducing cloud provider support to save costs

Correct Answer: A, C

Section:

QUESTION 37

Which of the following support services are commonly offered by F5 for cloud deployments?
(Select all that apply)

- A. Cloud cost optimization consultation
- B. Access to F5's online knowledge base
- C. On-site hardware maintenance
- D. 24/7 technical support

Correct Answer: A, D

Section:

QUESTION 38

Which F5 virtualization technologies are available for optimizing application delivery?



(Select all that apply)

- A. Virtual Servers
- B. Virtual IPs
- C. Virtual Machines
- D. Virtual Reality

Correct Answer: A, B

Section:

QUESTION 39

What is the primary advantage of using cloud deployment templates in F5 cloud solutions?

- A. They allow for the manual configuration of each instance.
- B. They reduce the need for security protocols.
- C. They standardize and accelerate the deployment process.
- D. They limit the scalability of cloud applications.

Correct Answer: C

Section:

QUESTION 40

When implementing a Cloud migration plan for applications, what variables should be evaluated?

(Select all that apply)

- A. Employee lunch preferences
- B. Network latency and bandwidth
- C. Security and compliance requirements
- D. The IT team's favorite music playlist

Correct Answer: B, C

Section:

QUESTION 41

What is a key benefit of deploying F5 instances on a cloud infrastructure?

- A. Increased physical server maintenance
- B. Improved application performance and scalability
- C. Reduced access to cloud resources
- D. Decreased network bandwidth

Correct Answer: B

Section:

QUESTION 42

Which constraints can SDN technologies impose on F5 components in a cloud environment?

(Select TWO)



- A. Enhanced automation capabilities
- B. Incompatibility with F5 hardware
- C. Limited scalability
- D. Reduced network programmability

Correct Answer: C, D

Section:

QUESTION 43

Which of the following is NOT a typical component of cloud IAM?

- A. Role-based access control
- B. Multi-factor authentication
- C. Access policies
- D. User's physical location tracking

Correct Answer: D

Section:

QUESTION 44

Scenario: During a cloud deployment, you notice that the application's performance drops significantly during peak traffic periods. How can application bursting be utilized to address this issue?

- A. Deploy additional on-premises servers.
- B. Limit the application's resource usage during these periods.
- C. Reduce the number of concurrent users allowed.
- D. Enable the application to scale out to the cloud during peak times.

Correct Answer: D

Section:

QUESTION 45

What is the main advantage of using containers, such as Docker, in cloud deployments?

- A. Containers can only run on a single server.
- B. Containers are designed for monolithic applications.
- C. Containers require minimal system resources.
- D. Containers cannot be easily moved between environments.

Correct Answer: C

Section:

QUESTION 46

Which concept best describes the ability to move an application between different cloud environments without significant changes?

- A. Hybrid Cloud Integration
- B. Application Mobility



- C. Cloud Elasticity
- D. Application Bursting

Correct Answer: A

Section:

QUESTION 47

What is the primary purpose of application bursting in cloud computing?

- A. To increase the security of applications
- B. To reduce the cost of running applications
- C. To enhance the performance of applications during peak usage
- D. To improve the user interface of applications

Correct Answer: C

Section:

QUESTION 48

In the context of architecting solutions using F5 products in various cloud environments, what is a critical variable to evaluate?

- A. Server cooling capacity
- B. Cloud provider billing model
- C. Geographic data redundancy
- D. Data center security protocols

Correct Answer: C

Section:

QUESTION 49

Which of the following is NOT a key consideration when analyzing cloud service provider instance sizing for BIG-IP requirements?

- A. Traffic volume
- B. Server uptime
- C. Resource utilization
- D. Network latency

Correct Answer: B

Section:

QUESTION 50

How can SDN technologies impact the integration of applications in a cloud environment?

(Select all that apply)

- A. SDN can simplify application integration in multi-cloud environments.
- B. SDN technologies have no effect on application integration.
- C. SDN can complicate application integration by adding layers of abstraction.
- D. SDN only works in on-premises data centers.



Correct Answer: C

Section:

QUESTION 51

What should be considered when leveraging technologies to integrate with SDN environments during cloud migration?

(Select TWO)

- A. Understanding SDN protocols
- B. Compatibility with legacy hardware
- C. Ignoring SDN integration requirements
- D. Availability of SDN controller support

Correct Answer: A, C

Section:

QUESTION 52

What is the role of an orchestrator in creating a workflow for dynamic provisioning?

- A. To manage employee dress code policies
- B. To design office layouts
- C. To organize company holiday parties
- D. To automate and coordinate the execution of tasks within the workflow

Correct Answer: D

Section:

QUESTION 53

What factors should be considered when evaluating the compatibility of applications with existing SDN solutions?

(Select all that apply)

- A. The version of the company's logo
- B. Network topologies
- C. Employee skill levels
- D. SDN controller capabilities

Correct Answer: B, D

Section:

QUESTION 54

Which cloud business model allows consumers to use software applications over the internet without managing the underlying infrastructure?

- A. Platform as a Service (PaaS)
- B. Infrastructure as a Service (IaaS)
- C. Software as a Service (SaaS)
- D. Network as a Service (NaaS)

Correct Answer: C



Section:

QUESTION 55

Which cloud business model allows consumers to use software applications over the internet without managing the underlying infrastructure?

- A. Platform as a Service (PaaS)
- B. Infrastructure as a Service (IaaS)
- C. Software as a Service (SaaS)
- D. Network as a Service (NaaS)

Correct Answer: C

Section:

QUESTION 56

Scenario: You are finalizing a cloud migration plan and need to validate its effectiveness. What actions should you take to ensure the plan meets both technical and business objectives?

- A. Run a pilot migration and gather feedback.
- B. Focus solely on reducing migration costs.
- C. Decommission the old infrastructure before validating the new setup.
- D. Proceed with the full migration without testing.

Correct Answer: A

Section:

