

Topic 1 - Single Topic

Question #1

Topic 1

A company is moving to the cloud and wants to enhance the provisioning of compute, storage, security, and networking. Which of the following will be leveraged?

- A. Infrastructure as code
- B. Infrastructure templates
- C. Infrastructure orchestration
- D. Infrastructure automation

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Question #2

Topic 1

Which of the following services would restrict connectivity to cloud resources?

- A. Security lists
- B. Firewall
- C. VPN
- D. Intrusion detection system

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Discussion 6

Question #3

Topic 1

Which of the following cloud characteristics helps transform from a typical capital expenditure model to an operating expenditure model?

- A. Pay-as-you-go
- B. Elasticity
- C. Self-service
- D. Availability

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Discussion 2

Question #4

Topic 1

Which of the following DevOps options is used to integrate with cloud solutions?

- A. Provisioning
- B. API
- C. SOA
- D. Automation

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Discussion 1

Question #5

Topic 1

A document that outlines the scope of a project, specific deliverables, scheduling, and additional specific details from the client/buyer is called a:

- A. statement of work.
- B. standard operating procedure.
- C. master service document.
- D. service level agreement.

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Question #6

Topic 1

The cloud consumer compliance team requires the IT department to patch and update cloud resources properly. Which of the following cloud service delivery models will BEST suit this need?

- A. SaaS
- B. DBaaS
- C. DRaaS
- D. IaaS

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Question #7

Topic 1

Which of the following are the main advantages of using ML/AI for data analytics in the cloud as opposed to on premises? (Choose two.)

- A. Cloud providers offer enhanced technical support.
- B. Elasticity allows access to a large pool of compute resources.
- C. The shared responsibility model offers greater security.
- D. AI enables DevOps to build applications easier and faster.
- E. A pay-as-you-go approach allows the company to save money.
- F. ML enables DevOps to build applications easier and faster.

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Question #8

Topic 1

A web application was deployed, and files are available globally to improve user experience. Which of the following technologies is being used?

- A. SAN
- B. CDN
- C. VDI
- D. API

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Discussion

Question #9

Topic 1

Volume, variety, velocity, and veracity are the four characteristics of:

- A. machine learning.

- B. Big Data.
- C. microservice design.
- D. blockchain.
- E. object storage.

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Question #10

Topic 1

A SaaS provider specifies in a user agreement that the customer agrees that any misuse of the service will be the responsibility of the customer. Which of the following risk response methods was applied?

- A. Acceptance
- B. Avoidance
- C. Transference
- D. Mitigation

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Question #11

Topic 1

A cloud administrator for an ISP identified a vulnerability in the software that controls all the firewall rules for a geographic area. To ensure the software upgrade is properly tested, approved, and applied, which of the following processes should the administrator follow?

- A. Configuration management
- B. Incident management
- C. Resource management
- D. Change management

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Question #12

Topic 1

A small online retailer is looking for a solution to handle the high load on its servers during the holiday season. The retailer is not currently ready to move its IT operations completely to the cloud.

Which of the following will BEST fit these requirements?

- A. Elasticity
- B. Scalability
- C. Bursting
- D. Self-service

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Question #13

Topic 1

A business analyst is drafting a risk assessment.

Which of the following components should be included in the draft? (Choose two.)

- A. Asset management
- B. Database type
- C. Encryption algorithms
- D. Certificate name
- E. Asset inventory
- F. Data classification

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Question #14

Topic 1

Which of the following is a cloud service model that organizations use when their third-party ERP tool is provided as a complete service?

- A. Public cloud
- B. SaaS
- C. Hybrid cloud
- D. IaaS

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Question #15

Topic 1

A cloud systems administrator needs to migrate several corporate applications to a public cloud provider and decommission the internal hosting environment. This migration must be completed by the end of the month. Because these applications are internally developed to meet specific business accounting needs, the administrator cannot use an alternative application.

Which of the following BEST describes the approach the administrator should use?

- A. Hybrid deployment
- B. Phased migration
- C. Lift and shift
- D. Rip and replace

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Question #16

Topic 1

A cloud administrator suggested using spot instances to reduce cloud costs for part of a new cloud infrastructure. Which of the following conditions must be addressed by the application that will run on these instances?

- A. The application needs to store data in a database.
- B. There is a restriction for distributed network communications.
- C. The application needs to handle unpredictable instance termination.
- D. Resource-intensive compute loads will be forbidden.

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Question #17

Topic 1

An organization wants to migrate a locally hosted application to a PaaS model. The application currently runs on a 15-year-old operating system and cannot be upgraded. Which of the following should the organization perform to ensure the application will be supported in the cloud?

- A. Risk register
- B. Feasibility study
- C. Benchmark

- C. Benchmarks
- D. Baseline

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Question #18

Topic 1

Transferring all of a customer's on-premises data and virtual machines to an appliance, and then shipping it to a cloud provider is a technique used in a:

- A. phased migration approach.
- B. replatforming migration approach.
- C. rip and replace migration approach.
- D. lift and shift migration approach.

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Question #19

Topic 1

Which of the following models provides the SMALLEST amount of technical overhead?

- A. SaaS
- B. PaaS
- C. MaaS
- D. IaaS

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Question #20

Topic 1

A mobile application development team requires frequent software updates for a major launch of a customer-facing application. The business requirement is to be first-to-market on a new feature that leverages third-party-hosted services.

Which of the following is the BEST approach to use for speed and efficiency?

- A. Proprietary code solution
- B. Application programming interface
- C. Regression testing
- D. Production load testing

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Question #21

Topic 1

A developer is leveraging a public cloud service provider to provision servers using the templates created by the company's cloud engineer. Which of the following does this BEST describe?

- A. Subscription services
- B. Containerization
- C. User self-service
- D. Autonomous environments

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Question #22

Topic 1

A company has defined a multicloud model.

Which of the following is the MOST important aspect to consider when defining the company's needs?

- A. Change management
- B. Data sovereignty
- C. Data portability
- D. Data classification

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Question #23

Topic 1

A company wants to ensure its existing functionalities are not compromised by the addition of a new functionality.

Which of the following is the BEST testing technique?

- A. Regression
- B. Stress
- C. Load
- D. Quality

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Question #24

Topic 1

A contract that defines the quality and performance metrics that are agreeable to both parties is called an:

- A. SOP.
- B. SOA.
- C. SOW.
- D. SLA.

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Question #25

Topic 1

Following a risk assessment, a company decides to adopt a multicloud strategy for its IT applications.

Which of the following is the company trying to avoid as part of its risk mitigation strategy?

- A. Geo-redundancy
- B. Vendor lock-in
- C. High availability
- D. Data sovereignty

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Question #26

Topic 1

Which of the following BEST describes how a cloud provider helps a company with security risk responses?

- A. Acceptance
- B. Mitigation
- C. Avoidance
- D. Transference

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Discussion 1

Question #27

Topic 1

A human resources department is considering a SaaS-based human resources portal and requires a risk analysis. Which of the following are requirements to consider? (Choose two.)

- A. Support
- B. Threats
- C. Chargebacks
- D. Vulnerabilities
- E. Maintenance
- F. Gap analysis

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Question #28

Topic 1

A company is in its second year of a three-year agreement with a cloud vendor. After the initial phase of the cloud migration, resource consumption has stabilized. Which of the following would help the company reduce the cost of infrastructure?

- A. Reserved instances
- B. Pay-as-you-go
- C. Spot instances
- D. Bring your own license

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Discussion

Question #29

Topic 1

A project manager must inform the Chief Information Officer (CIO) of the additional resources necessary to migrate services to the cloud successfully. Which of the following cloud assessments would be MOST appropriate to use for the recommendation?

- A. Feasibility study
- B. Gap analysis
- C. Future requirements
- D. Baseline report

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Discussion

Question #30

Topic 1

Which of the following is commonly used to forecast market trends?

- A. Serverless computing
- B. Data warehouse
- C. Machine learning
- D. Accelerated computing

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Discussion

Question #31

Topic 1

A company has been running tests on a newly developed algorithm to increase the responsiveness of the application. The company's monthly bills for the testing have been much higher than expected. Which of the following documents should the company examine FIRST?

- A. Memory report
- B. Compute report
- C. Network report
- D. Storage report

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Question #32

Topic 1

An organization's servers are experiencing performance degradation from oversubscription of memory in the virtual environment and exhausted physical RAM. Which of the following cloud computing characteristics would BEST address the issue?

- A. Availability
- B. Elasticity
- C. Pay-as-you-go
- D. Self-service

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Discussion

Question #33

Topic 1

Which of the following cloud principles will help manage the risk of a network breach?

- A. Shared responsibility
- B. Self-service
- C. Availability
- D. Elasticity

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Discussion

Question #34

Topic 1

A report identified that several of a company's SaaS applications are against corporate policy. Which of the following is the MOST likely reason for this issue?

- A. Shadow IT
- B. Sensitive data
- C. Encryption
- D. Vendor lock-in

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Question #35

Topic 1

Which of the following BEST describes decreasing the resources assigned to a system to avoid paying for unused capacity?

- A. Orchestration
- B. Auto-scaling
- C. Right-sizing
- D. Scalability

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Question #36

Topic 1

A systems administrator is reviewing a disaster recovery option that requires little to no downtime in the event of a natural disaster. Which of the following BEST meets this requirement?

- A. Configure availability zones.
- B. Configure high availability.
- C. Configure geo-redundancy.
- D. Configure auto-scaling.

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Question #37

Topic 1

After performing an initial assessment of a cloud-hosted architecture, a department wants to gain the support of upper management. Which of the following should be presented to management?

- A. Project charter
- B. Feasibility study
- C. Managed services
- D. Pilot

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Question #38

Topic 1

Which of the following are true about the use of machine learning in a cloud environment? (Choose two).

- A. Specialized machine learning algorithms can be deployed to optimize results for specific scenarios.
- B. Machine learning can just be hosted in the cloud for managed services.
- C. Just one type of cloud storage is available in the cloud for machine learning workloads.
- D. Machine learning can leverage processes in a cloud environment through the use of cloud storage and auto-scaling.
- E. Machine learning requires a specialized IT team to create the machine learning models from scratch.
- F. Using machine learning solutions in the cloud removes the data-gathering step from the learning process.

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Question #39

Topic 1

A company with critical resources in the cloud needs to ensure data is available in multiple datacenters around the world. Which of the following BEST meets the company's needs?

- A. Auto-scaling
- B. Geo-redundancy
- C. Disaster recovery
- D. High availability

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Question #40

Topic 1

Which of the following can be used by a client's finance department to identify the cost of cloud use in a public cloud environment shared by different projects and departments?

- A. Reserved instances
- B. Service level agreement
- C. Resource tagging
- D. RFI from the CSP

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Question #41

Topic 1

A company is migrating a legacy application to the cloud. Two C-level executives are currently engaged in the initial stages of the migration, and they are planning a rip-and-replace approach.

Before initiating the project, the FIRST step should be to identify:

- A. the required network performance.
- B. the key stakeholders.
- C. the desired CSP.
- D. the required cloud services.
- E. the required amount of storage.

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Question #42

Topic 1

A company migrated all of its infrastructure to the cloud. The cloud security team must review the security post-migration. Which of the following is the MOST appropriate task for the cloud security team to perform?

- A. Risk register
- B. Threat assessment
- C. Application scan

D. Vulnerability scan

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Question #43

Topic 1

A company wants to migrate mission-critical applications to the cloud. In order for technicians to build, decommission, and perform other routine functions, which of the following cloud characteristics would BEST satisfy this business requirement?

- A. Self-service
- B. Elasticity
- C. Broad network access
- D. Availability

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Question #44

Topic 1

A company deploys a data management capability that reduces RPO. Which of the following BEST describes the capability needed?

- A. Locality
- B. Replication
- C. Portability
- D. Archiving

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Question #45

Topic 1

A company is required to move its human resources application to the cloud to reduce capital expenses. The IT team does a feasibility analysis and learns the application requires legacy infrastructure and cannot be moved to the cloud.

Which of the following is the MOST appropriate cloud migration approach for the company?

- A. Lift and shift
- B. Hybrid
- C. Rip and replace
- D. In-place upgrade

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Question #46

Topic 1

A company wants to process a batch job in a faster, cost-effective manner. Which of the following is the BEST solution?

- A. Implement right-sizing.
- B. Increase CPU usage.
- C. Utilize spot instances.
- D. Add storage.

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Question #47

Topic 1

An IT team documented the procedure for upgrading an existing IT resource within the cloud. Which of the following BEST describes this procedure?

- A. Security procedure
- B. Incident management
- C. Change management
- D. Standard operating procedure

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Question #48

Topic 1

A business analysis team is reviewing a report to try to determine the costs for a cloud application. The report does not allow separating costs by application. Which of the following should the team use to BEST report on the costs of the specific cloud application?

- A. Right-sizing
- B. Content management
- C. Optimization
- D. Resource tagging

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Question #49

Topic 1

A cloud administrator configures a server to insert an entry into a log file whenever an administrator logs in to the server remotely. Which of the following BEST describes the type of policy being used?

- A. Audit
- B. Authorization
- C. Hardening
- D. Access

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Question #50

Topic 1

A company is migrating its e-commerce platform to a cloud service provider. The e-commerce site has a significant number of images. Which of the following is the BEST storage type for storing the images?

- A. Object
- B. Cold
- C. File
- D. Block

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Question #51

Topic 1

A small business is engaged with a cloud provider to migrate from on-premises CRM software. The contract includes fixed costs associated with the product. Which of the following variable costs must be considered?

- A. Time to market
- B. Operating expenditure fees
- C. BYOL costs
- D. Human capital

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Question #52

Topic 1

A company is discontinuing its use of a cloud provider. Which of the following should the provider do to ensure there is no sensitive data stored in the company's cloud?

- A. Replicate the data.
- B. Encrypt the data.
- C. Lock in the data.
- D. Sanitize the data.

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Discussion

Question #53

Topic 1

An online retailer wants to ensure its inventory for the holiday season is correct. The company does not have a large IT infrastructure or staff to collect and analyze sales information, customer analytics, marketing information, or trends. Which of the following cloud services will help the company analyze these metrics without a large investment in human capital?

- A. Containerization
- B. Big Data
- C. Microservices
- D. Blockchain

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Discussion

Question #54

Topic 1

Which of the following is an example of outsourcing administration in the context of the cloud?

- A. Managed services
- B. Audit by a third party
- C. Community support
- D. Premium support

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Discussion

Question #55

Topic 1

A cloud systems administrator needs to log in to a remote Linux server that is hosted in a public cloud. Which of the following protocols will the administrator MOST likely use?

- A. HTTPS
- B. RDP
- C. Secure Shell
- D. Virtual network computing

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Discussion

Question #56

Topic 1

Which of the following is the cloud storage technology that would allow a company with 12 nearly identical servers to have the SMALLEST storage footprint?

- A. Capacity on demand
- B. Compression
- C. Software-defined storage
- D. Deduplication

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Discussion 1

Question #57

Topic 1

A company has a perpetual license for a database application. Which of the following is the MOST cost-effective option when moving to the cloud?

- A. Fixed
- B. Subscription
- C. EULA
- D. BYOL

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Discussion

Question #58

Topic 1

A vendor stipulates it will provide incident response within two hours of a severity level A incident. Which of the following does this describe?

- A. Maintenance agreement
- B. Managed service agreement
- C. Operating level agreement
- D. Service level agreement

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Discussion

Question #59

Topic 1

Which of the following would BEST provide access to a Windows VDI?

- A. RDP

- B. VPN
- C. SSH
- D. HTTPS

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Question #60

Topic 1

Which of the following technologies would help a game company prepare its cloud infrastructure to support a global distribution workload of a newly released online game? (Choose two.)

- A. Auto-scaling
- B. VDI
- C. Data portability
- D. CDN
- E. Templates
- F. Blockchain

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Question #61

Topic 1

An organization plans to keep three of its cloud servers online for another nine months and a fourth server online for a year. The current pricing is \$200 per month per server. The cloud provider announced the sale price of \$1,500 per year per reserved instance.

Which of the following represents the cost savings by converting all four of the cloud servers to reserved instances?

- A. \$900
- B. \$1,800
- C. \$2,400
- D. \$3,600

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Question #62

Topic 1

Which of the following types of risk is MOST likely to be associated with moving all data to one cloud provider?

- A. Vendor lock-in
- B. Data portability
- C. Network connectivity
- D. Data sovereignty

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Question #63

Topic 1

When selecting a cloud provider, which of the following is MOST likely to be a financial consideration?

- A. Proof of concept
- B. Request for information
- C. Licensing models
- D. Request for proposal

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Question #64

Topic 1

A company's finance team is reporting increased cloud costs against the allocated cloud budget. Which of the following is the BEST approach to match some of the cloud operating costs with the appropriate departments?

- A. Right-sizing
- B. Scaling
- C. Chargeback
- D. Showback

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Question #65

Topic 1

A new company directive requires all departments to ensure intellectual property is kept within a country's borders. Which of the following concepts BEST represents this requirement?

- A. Data portability
- B. Data security
- C. Data locality
- D. Data sovereignty

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Question #66

Topic 1

Which of the following techniques helps an organization determine benchmarks for application performance within a set of resources?

- A. Auto-scaling
- B. Load testing
- C. Sandboxing
- D. Regression testing

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Question #67

Topic 1

An incident response team requires documentation for an email phishing campaign against a company's email server. Which of the following is the BEST resource to use to start the investigation?

- A. Audit and system logs
- B. Change management procedures
- C. Departmental policies
- D. Standard operating procedures

Question #68 Topic 1

A startup company wants to use a CRM application to manage its sales and support organizations. The company does not have any IT staff. Which of the following cloud computing models is MOST appropriate for this company to use?

- A. CaaS
- B. PaaS
- C. IaaS
- D. SaaS

Question #69 Topic 1

When designing a new cloud-enabled application, an organization that is considering RTO and RPO is MOST likely concerned about:

- A. redundancy.
- B. load balancing.
- C. disaster recovery.
- D. high availability.

Question #70 Topic 1

Which of the following BEST explains the concept of RTOs for restoring servers to operational use?

- A. To reduce the amount of data loss that can occur in the event of a server failure
- B. To ensure the restored server is available and operational within a given window of time
- C. To ensure the data on the restored server is current within a given window of time
- D. To reduce the amount of time a particular server is unavailable and offline

Question #71 Topic 1

Which of the following results from implementing a proprietary SaaS solution when an organization does not ensure the solution adopts open standards? (Choose two.)

- A. Vendor lock-in
- B. Inability to enforce the SLA
- C. Lack of technical support
- D. Higher ongoing operational expenditure
- E. Integration issues
- F. Higher initial capital expenditure

Question #72 Topic 1

A requirement states that an application must be restored within six hours. Which of the following should be included in the SLA to satisfy this requirement?

- A. MTTR
- B. RPO
- C. ROI
- D. RTO

Question #73 Topic 1

A cloud administrator needs to enable users to access business applications remotely while ensuring these applications are only installed on company-controlled equipment. All users require the ability to modify personal working environments. Which of the following is the BEST solution?

- A. SSO
- B. VDI
- C. SSH
- D. VPN

Question #74 Topic 1

A company with a variable number of employees would make good use of the cloud model because of:

- A. multifactor authentication
- B. self-service
- C. subscription services
- D. collaboration

Question #75 Topic 1

Which of the following would help a company avoid failure of a cloud project due to a lack of adherence of the company's operations and business processes to a cloud solution?

- A. Cloud managed services
- B. Company baseline
- C. Proof of value
- D. Industry benchmarks

Question #76

Topic 1

Which of the following can be used to achieve automation, environment consistency, and standardization of computer resources in a cloud environment?

- A. Content management system
- B. Automation
- C. Service-oriented architecture
- D. Infrastructure as code

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Discussion

Question #77

Topic 1

A company's new systems administrator has been asked to create a new user for the human resources department. Which of the following will help the systems administrator understand the user privileges for each role in the company?

- A. Identity and access control management policy
- B. Classification and management policy
- C. Change management policy
- D. Standard operating procedures

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Question #78

Topic 1

An organization is determining an acceptable amount of downtime. Which of the following aspects of cloud design should the organization evaluate?

- A. RPO
- B. RTO
- C. ERP
- D. TCO

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Discussion

Question #79

Topic 1

A company is considering moving all of its VMs to reserved instances, which would save 20% on each instance. The instances the company would move are shown below:

Resource	Tag	Currently monthly cost
VirtualMachine1	Marketing	\$500
VirtualMachine2	IT	\$400
VirtualMachine3	Sales	\$900
VirtualMachine4	Sales	\$300
VirtualMachine5	IT	\$150
VirtualMachine6	IT	\$800
VirtualMachine7	Marketing	\$450
VirtualMachine8	Administration	\$400
VirtualMachine9	Sales	\$550
VirtualMachine10	Marketing	\$850
VirtualMachine11	IT	\$250

Which of the following is the amount the company would save annually by converting all of these VMs to reserved instances?

- A. \$1110
- B. \$1600
- C. \$3840
- D. \$5550
- E. \$13320
- F. \$53280

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Discussion 1

Question #80

Topic 1

Which of the following is an example of multifactor authentication?

- A. A password policy that requires both upper and lowercase letters
- B. A short message service (SMS) message sent to a phone and an access PIN
- C. Encryption of cached password information and a challenge question
- D. A password that expires after 90 days and a PIN

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Discussion

Question #81

Topic 1

Which of the following is a benefit of microservice applications in a cloud environment?

- A. Microservices are dependent on external shared databases found on cloud solutions.
- B. Federation is a mandatory component for an optimized microservice deployment.
- C. The architecture of microservice applications allows the use of auto-scaling.
- D. Microservice applications use orchestration solutions to update components in each service.

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Discussion 1

Question #82

Topic 1

Which of the following security objectives is MOST improved when moving a system to the cloud?

- A. Availability
- B. Integrity
- C. Privacy
- D. Confidentiality

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Discussion

Question #83

Topic 1

A low-budget project with a flexible completion time can become financially feasible via the use of:

- A. right-sizing.
- B. resource tagging.
- C. reserved instances.
- D. spot instances.

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Discussion

Question #84

Topic 1

Which of the following BEST describes a pay-as-you-go licensing model within a cloud service?

- A. Subscription agreement
- B. Perpetual agreement
- C. Enterprise agreement
- D. Promotional agreement

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Question #85

Topic 1

Which of the following metrics defines how much data loss a company can tolerate?

- A. RTO
- B. TCO
- C. MTTR
- D. ROI
- E. RPO

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Discussion

Question #86

Topic 1

Before conducting a cloud migration, a compliance team requires confirmation that sensitive data will remain close to their users. Which of the following will meet this requirement during the cloud design phase?

- A. Data locality
- B. Data classification
- C. Data certification
- D. Data validation

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Discussion 2

Question #87

Topic 1

Which of the following is the BEST approach to optimize data security in an IaaS migration of data to the cloud?

- A. Review the risk register.
- B. Perform a vulnerability scan
- C. Perform server hardening.
- D. Configure encryption in transit.

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Discussion 2

Question #88

Topic 1

A systems administrator must select a CSP while considering system uptime and access to critical servers. Which of the following is the MOST important criterion when choosing the CSP?

- A. Elasticity
- B. Scalability
- C. Availability
- D. Serviceability

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Discussion 1

Question #89

Topic 1

Which of the following stores transactions in a distributed ledger of which all users have a copy?

- A. Big Data
- B. Blockchain
- C. Machine learning
- D. Artificial intelligence

Reveal Solution

Discussion 1

Question #90

Topic 1

Which of the following should be considered to ensure the availability of data that is accessed across multiple sites? (Choose two.)

- A. Auto-scaling
- B. Geo-redundancy
- C. Backup
- D. Provisioning
- E. Locality
- F. Zones

Reveal Solution

Discussion 4

Question #91

Topic 1

A company wants to save on cloud storage costs for data that does not need to be accessible in a timely manner. Which of the following storage types would be the BEST option?

- A. Cold
- B. Block
- C. Object
- D. Tape

Reveal Solution

Discussion 1

Question #92

Topic 1

A company wants to deploy an application in a public cloud. Which of the following service models gives the MOST responsibility to the provider?

- A. PaaS
- B. IaaS
- C. BPaaS
- D. SaaS

[Reveal Solution](#) [Discussion](#) **1**

Question #93 Topic 1

Which of the following security concerns is BEST addressed by moving systems to the cloud?

- A. Availability
- B. Authentication
- C. Confidentiality
- D. Integrity

[Reveal Solution](#) [Discussion](#)

Question #94 Topic 1

For security reasons, a cloud service that can be accessed from anywhere would make BEST use of:

- A. replication.
- B. multifactor authentication.
- C. single sign-on.
- D. data locality

[Reveal Solution](#) [Discussion](#)

Question #95 Topic 1

A business analyst is using a public cloud provider's CRM service to manage contacts and organize all communication. Which of the following cloud service models is the analyst using?

- A. IaaS
- B. SaaS
- C. DBaaS
- D. PaaS

[Reveal Solution](#) [Discussion](#)

Question #96 Topic 1

Which of the following would be expected from a security consultant who has been hired to investigate a data breach of a private cloud instance?

- A. Incident report
- B. Application scan results
- C. Request for information
- D. Risk register

[Reveal Solution](#) [Discussion](#) **1**

Question #97 Topic 1

Which of the following storage types will BEST allow data to be backed up and retained for long periods of time?

- A. Solid state storage
- B. Block storage
- C. Object storage
- D. File storage

[Reveal Solution](#) [Discussion](#) **1**

Question #98 Topic 1

Which of the following are aspects of cloud data availability? (Choose two.)

- A. Resource tagging
- B. Data sovereignty
- C. Locality
- D. Zones
- E. Geo-redundancy
- F. Auto-scaling

[Reveal Solution](#) [Discussion](#) **1**

Question #99 Topic 1

A business analyst is comparing utilization for a company's cloud servers on a financial expenditures report. The usage report is as follows:

Server name	Used space	Allocated space
Application server	18GB	100GB
Mail server	55GB	80GB
File server	70GB	90GB
Web server	105GB	130GB

Which of the following instances represents the highest utilization?

- A. Mail server
- B. Application server
- C. File server
- D. Web server

[Reveal Solution](#) [Discussion](#)

Question #100 Topic 1

After a cloud migration, a company hires a third party to conduct an assessment to detect any cloud infrastructure vulnerabilities. Which of the following BEST describes this process?

- A. Hardening
- B. Risk assessment
- C. Penetration testing
- D. Application scanning

[Reveal Solution](#) [Discussion](#) **3**

Question #101

Topic 1

For which of the following reasons is the infrastructure as code technique used?

- A. To improve the ability to migrate applications to different cloud providers to avoid vendor lock-in.
- B. To specify the hardware configuration and system installation procedures in machine-readable formats.
- C. To capture the system configurations to track changes and remediate configuration drift.
- D. To assign server administration responsibilities to software developers for application deployments.

Reveal Solution

Discussion 2

Question #102

Topic 1

Which of the following strategies allows an organization to plan for cloud expenditures in a way that most closely aligns with the capital expenditure model?

- A. Simplifying contract requirements
- B. Implementing consolidated billing
- C. Considering a BYOL policy
- D. Using reserved cloud instances

Reveal Solution

Discussion 1

Question #103

Topic 1

A network team establishes a new connection to an IaaS CSP that is more efficient and has networking costs that are 25% less than previous monthly expenditures. The bill outlines the following costs:

Storage: \$10000 -

Compute: \$12000 -

Network: \$7000 -

Which of the following will be the total cloud expenditure for the following month?

- A. \$26000
- B. \$26250
- C. \$27250
- D. \$29000

Reveal Solution

Discussion

Question #104

Topic 1

An organization determines it cannot go forward with a cloud migration due to the risks involved. Which of the following types of risk response does this describe?

- A. Acceptance
- B. Transference
- C. Avoidance
- D. Mitigation

Reveal Solution

Discussion 1

Question #105

Topic 1

A cloud developer chooses to use private key encryption for all traffic in a new application. Which of the following security concerns does this BEST describe?

- A. Integrity
- B. Confidentiality
- C. Availability
- D. Authorization

Reveal Solution

Discussion 1

Question #106

Topic 1

Which of the following is related to data availability in the cloud?

- A. Resiliency
- B. Deduplication
- C. Scalability
- D. Elasticity

Reveal Solution

Discussion

Question #107

Topic 1

A cloud administrator is reviewing the requirements for a SaaS application and estimates downtime will be very expensive for the organization. Which of the following should the administrator configure to minimize downtime? (Choose two.)

- A. Continuous deployment
- B. Right-sizing
- C. Availability zones
- D. Geo-redundancy
- E. Hardening
- F. Backups

Reveal Solution

Discussion 1

Question #108

Topic 1

A business analyst is reviewing a software upgrade plan. The plan mentions the term 'hash' value. Which of the following BEST represents what this term implies?

- A. Non-repudiation of data
- B. Integrity of data
- C. Confidentiality of data
- D. Availability of data

Reveal Solution

Discussion

Question #109

Topic 1

Which of the following allows for the management of network policies from a central portal while maintaining a hardware-agnostic approach?

- A. Virtual private network
- B. Software-defined network
- C. Load balancing
- D. Direct Connect

Reveal Solution

Discussion 1

Question #110

Topic 1

A company would like to improve its current DR plan with an emphasis on high availability. Which of the following metrics should the company focus on?

- A. MTTR
- B. RTO
- C. QoS
- D. RPO

Reveal Solution

Discussion

Question #111

Topic 1

Which of the following should be enforced for billing recognition to allow department members to provision their own cloud resource?

- A. Sandboxing
- B. BYOL
- C. Resource tagging
- D. Reserved instances

Reveal Solution

Discussion

Question #112

Topic 1

A business analyst is comparing used vs. allocated storage cost for each reserved instance on a financial expenditures report related to the cloud. The CSP is currently billing at the following rates for storage:

⇒ \$1.50 per GB of used space

⇒ \$0.75 per GB of allocated space

The operating expenditures the analyst is reviewing are as follows:

Server name	Used space	Allocated space
Application server	18GB	100GB
Mail server	55GB	80GB
File server	70GB	90GB

Given this scenario, which of the following servers is costing the firm the least, and which should have storage increased due to over 70% utilization?

- A. Least: File server Optimize: Application server
- B. Least: Application server Optimize: Mail server
- C. Least: Mail server Optimize: File server
- D. Least: Application server Optimize: File server

Reveal Solution

Discussion

Question #113

Topic 1

Which of the following BEST describes the open-source licensing model for application software?

- A. Software is free to use, but the source code is not available to modify.
- B. Modifications to existing software are not allowed.
- C. Code modifications must be submitted for approval.
- D. Source code is readily available to view and use.

Reveal Solution

Discussion

Question #114

Topic 1

A business is experiencing an outage of a customer-facing e-commerce website after a SaaS-based CDN upgrade. The RTO is 5 minutes or less, but it has already been 10 minutes since the outage. After 15 minutes, the CDN recovers for the outage. The business loses \$25000 in revenue per minute of the outage.

Which of the following is the financial impact to the business?

- A. \$250000
- B. \$350000
- C. \$375000
- D. \$400000

Reveal Solution

Discussion

Question #115

Topic 1

Which of the following cloud migration methods would be BEST suited for disaster recovery scenarios?

- A. Replatforming
- B. Phased
- C. Rip and replace
- D. Lift and shift

Reveal Solution

Discussion 3

Question #116

Topic 1

A manufacturing company is selecting applications for a cloud migration. The company's main concern relates to the ERP system, which needs to receive data from multiple industrial systems to generate the executive reports. Which of the following will provide the details needed for the company's decision regarding the cloud migration?

- A. Standard operating procedures
- B. Feasibility studies
- C. Statement of work
- D. Benchmarks

Reveal Solution

Discussion

Question #117

Topic 1

Which of the following BEST explains why there should be an established communication policy between CSPs and clients?

- A. To set guidelines for securing network traffic for all communications with endpoints on the corporate local area network
- B. To ensure all staff know the acceptable guidelines for representing themselves on social media.
- C. To have protocols in place for notifying staff when a cloud outage occurs.
- D. To have proper procedures in place for interactions between internal departments and cloud vendors submitting bids for software or service.

Reveal Solution

Discussion 1

Question #118

Topic 1

Which of the following documents has the sole purpose of outlining a professional services engagement that governs a proposed cloud migration?

- A. Gap analysis
- B. Statement of work
- C. Feasibility study
- D. Service level agreement

Reveal Solution

Discussion 2

Question #119

Topic 1

Which of the following explains why a cloud provider would establish and publish a format data sanitization policy for its clients?

- A. To establish guidelines for how the provider will cleanse any data being imported during a cloud migration
- B. To be transparent about how the CSP will handle malware infections that may impact systems housing client data
- C. To provide a value add for clients that will assist in cleansing records at no additional charge
- D. To ensure clients feel comfortable about the handling of any leftover data after termination of the contract

Reveal Solution

Discussion 3

Question #120

Topic 1

Which of the following is true about the use of technologies such as JSON and XML for cloud data interchange and automation tasks?

- A. It can cause cloud vendor lock-in
- B. The company needs to define a specific programming language for cloud management.
- C. The same message format can be used across different cloud platforms.
- D. It is considered an unsafe format of communication.

Reveal Solution

Discussion

Question #121

Topic 1

Which of the following deployment models includes application components on a company's network as well as on the Internet?

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

Reveal Solution

Discussion

Question #122

Topic 1

Monthly cloud service costs are BEST described as:

- A. operating expenditures.
- B. fixed expenditures.
- C. capital expenditures.
- D. personnel expenditures.

Reveal Solution

Discussion 1

Question #123

Topic 1

An architect recently discovered new opportunities the cloud can provide to the company. A business analyst is currently working with the architect to document the business use-case scenarios. Which of the following should be the architect's NEXT step?

- A. Initialize a PoC.
- B. Conduct a feasibility study.
- C. Perform a gap analysis.
- D. Gather cloud requirements.

Reveal Solution

Discussion 1

Question #124

Topic 1

Which of the following cloud migration methods would take full advantage of the cloud computing model?

- A. Rip and replace
- B. Lift and shift
- C. Phased
- D. Hybrid

Reveal Solution

Discussion 2

Question #125

Topic 1

A company hired a DevOps engineer to move business systems to the cloud. The current systems administrator does not have scripting experience and has been deploying servers manually. Which of the following would BEST optimize this process?

- A. Infrastructure as code deployment model
- B. API integration to a cloud provider
- C. Load testing
- D. Continuous delivery/continuous integration

Reveal Solution

Discussion

← Previous Questions

Next Questions →

Question #126

Topic 1

A startup company that provides streaming media services is considering a new CSP. The company sees an average volume of 5000TB daily and high QoS. It has received the following bids:

CSP	VM cost (per hour)	Network cost (per GB in/out)	Backup cost (per backup)	Storage cost (per GB)
Provider 1	\$12.00	\$0.10	\$25.00	\$0.50
Provider 2	\$6.00	\$15.00	\$10.00	\$5.00
Provider 3	\$8.00	\$20.00	\$20.00	\$5.00
Provider 4	\$14.00	\$0.75	\$1.00	\$0.75

Based on the information above, which of the following CSPs offers the MOST cost-effective solution for streaming?

- A. Provider 1
- B. Provider 2
- C. Provider 3
- D. Provider 4

Reveal Solution

Discussion

Question #127

Topic 1

A company is planning to use cloud computing to extend the compute resources that will run a new resource-intensive application. A direct deployment to the cloud would cause unexpected billing. Which of the following must be generated while the application is running on-premises to predict the cloud budget for this project better?

- A. Proof of concept
- B. Benchmark
- C. Baseline
- D. Feasibility study

Reveal Solution

Discussion

Question #128

Topic 1

A cloud service provider is marketing its new PaaS offering to potential clients. Which of the following companies would MOST likely be interested?

- A. A company specializing in application development
- B. A company with many legacy applications
- C. A company with proprietary systems
- D. A company that outsources support of its IT systems

Reveal Solution

Discussion 1

Question #129

Topic 1

A software developer wants to ensure a packaged application can be deployed in different environments without modifying anything but the application settings. The developer creates an image and provides instructions for the systems administrator to use for deployment. This is an example of:

- A. application versioning.
- B. source code control.
- C. containerization.
- D. deployment automation.

Reveal Solution

Discussion 3

Question #130

Topic 1

Which of the following is used to build and manage interconnections between cloud resources within the same cloud environment?

- A. Firewall
- B. Software-defined network
- C. Virtual private network
- D. Direct Connect

Reveal Solution

Discussion 1

Question #131

Topic 1

Which of the following allows an IP address to be referenced via an easily remembered name for a SaaS application?

- A. DNS
- B. CDN
- C. VPN
- D. WAN

Reveal Solution

Discussion

Question #132

Topic 1

A business analyst is examining a report and notices compute costs are very high for four cloud-based, load-balanced virtual machines hosting an application. The application will be in use for at least two more years, but there are no developers available to help optimize it. Which of the following should the analyst recommend to BEST reduce costs without impacting performance?

- A. Decommission a virtual machine.
- B. Change to a pay-as-you-go plan.
- C. Convert the application to a SaaS solution.
- D. Switch the virtual machines to reserved instances.

Reveal Solution

Discussion 2

Question #133

Topic 1

A project manager is interested in the notification process a CSP follows after discovering a breach of customer data. Which of the following is MOST likely to provide the necessary information?

- A. Communication plans
- B. Incident response policy
- C. Service level agreement
- D. Access controls

Reveal Solution

Discussion 2

A company is evaluating the capital expenditure necessary to modernize its on-premises datacenter. Management has directed that 50% of capital expenditure be reallocated to operating expenditure. Which of the following cloud characteristics applies?

- A. BYOL
- B. Billing chargeback
- C. Pay-as-you-go
- D. High availability

[Reveal Solution](#)[Discussion](#)

A Chief Information Officer (CIO) wants to identify two business units to be pilots for a new cloud project. A business analyst who was recently assigned to this project will be selecting a cloud provider. Which of the following should the business analyst do FIRST?

- A. Conduct a feasibility study of the environment.
- B. Conduct a benchmark of all major systems.
- C. Draw a matrix diagram of the capabilities of the cloud providers.
- D. Gather business and technical requirements for key stakeholders.

[Reveal Solution](#)[Discussion](#)

In a DevOps environment there is a requirement to start building application solutions in an efficient manner without any dependent components. Which of the following should a DevOps engineer do to meet these requirements?

- A. Build the applications in QA, and then enable resource tagging.
- B. Build the applications in QA, and then clone and deploy them in production.
- C. Use templates for building the applications.
- D. Use templates and enable auto-scaling.

[Reveal Solution](#)[Discussion](#)

Which of the following are considered secure access types of hosts in the cloud? (Choose two.)

- A. HTTPS
- B. HTTP
- C. SSH
- D. Telnet
- E. RDP
- F. FTP

[Reveal Solution](#)[Discussion](#)

A cloud risk assessment indicated possible outages in some regions. In response, the company enabled geo-redundancy for its cloud environment. Which of the following did the company adopt?

- A. Risk mitigation
- B. Risk acceptance
- C. Risk transference
- D. Risk avoidance

[Reveal Solution](#)[Discussion](#) 1

A cloud administrator notices users call to report application performance degradation between 1:00 p.m. and 3:00 p.m. every day. Which of the following is the BEST option for the administrator to configure?

- A. Locality
- B. Block storage
- C. Right-sizing
- D. Auto-scaling

[Reveal Solution](#)[Discussion](#)

A company is moving its long-term archive data to the cloud. Which of the following storage types will the company MOST likely use?

- A. File
- B. Object
- C. Tape
- D. Block

[Reveal Solution](#)[Discussion](#)

Which of the following policies is MOST critical for being in compliance with regulatory agencies?

- A. Incident response
- B. Communication
- C. Department-specific
- D. Change management

[Reveal Solution](#)[Discussion](#)

A company purchased insurance due to the risks involved with a cloud migration project. Which of the following risk response strategies is this an example of?

- A. Mitigation
- B. Avoidance

- C. Acceptance
- D. Transference

[Reveal Solution](#)

[Discussion](#)

Question #143

Topic 1

A company's current billing agreement is static. If the company were to migrate to an entirely IaaS-based setup, which of the following billing concepts would the company be adopting?

- A. Enterprise agreement
- B. Perpetual
- C. Variable cost
- D. Fixed cost

[Reveal Solution](#)

[Discussion](#)

Question #144

Topic 1

Due to local natural disaster concerns, a cloud customer is transferring all of its cold storage data to servers in a safer geographic region. Which of the following risk response techniques is the cloud customer employing?

- A. Avoidance
- B. Transference
- C. Mitigation
- D. Acceptance

[Reveal Solution](#)

[Discussion](#)

Question #145

Topic 1

An analyst is reviewing a report on a company's cloud resources expenditures. The analyst has noted that a data warehouse team uses a significant amount of high-speed storage for live databases and backups. Which of the following should the analyst recommend for improved cost and efficiency?

- A. Configure the live database for redundant clustering.
- B. Move the backups to slower storage.
- C. Configure geo-redundancy for backups.
- D. Move the backups to another availability zone.

[Reveal Solution](#)

[Discussion](#)

Question #146

Topic 1

Which of the following is the result of performing a physical-to-virtual migration of desktop workstations?

- A. SaaS
- B. IaaS
- C. VDI
- D. VPN

[Reveal Solution](#)

[Discussion](#)

Question #147

Topic 1

Which of the following concepts will help lower the attack surface after unauthorized user-level access?

- A. Hardening
- B. Validation
- C. Sanitization
- D. Audit

[Reveal Solution](#)

[Discussion](#)

Question #148

Topic 1

Which of the following describes the contractually allowed downtime for a cloud-hosted application?

- A. SOW
- B. SLA
- C. SOP
- D. SOA

[Reveal Solution](#)

[Discussion](#)

Question #149

Topic 1

Which of the following is the BEST way to secure a web session to a hosted e-commerce website?

- A. SSL
- B. VPN
- C. Firewall
- D. DNS

[Reveal Solution](#)

[Discussion](#)

Question #150

Topic 1

The legal team is required to share legal proceedings with an outside council. The team uses SaaS fileshares. Which of the following policies will BEST state the requirements for sharing information with external parties?

- A. Information security policy
- B. Communication policy
- C. Resource management policy
- D. Identity control policy

[Reveal Solution](#)

[Discussion](#)

Question #151

Topic 1

A DevOps team wants to document the upgrade steps for its public database solution. The team needs a dedicated virtual environment separate from the production systems to replicate multiple installations. Which of the following BEST represents what the team needs?

- A. Containerization
- B. Cold storage
- C. Infrastructure as code
- D. Sandboxing

Reveal Solution

Discussion

Question #152

Topic 1

A company's data center contract will expire in a few months, and the Chief Information Officer needs to move rapidly to a cloud environment. Which of the following is the BEST migration approach?

- A. Lift and shift
- B. Phased
- C. Hybrid
- D. Rip and replace

Reveal Solution

Discussion

Question #153

Topic 1

Which of the following BEST represents a successful presentation to a customer of the working result of a new cloud feature?

- A. Benchmark
- B. Proof of concept
- C. Baseline
- D. Feasibility study

Reveal Solution

Discussion

Question #154

Topic 1

Which of the following risks is MOST likely a result of vendor lock-in?

- A. Premature obsolescence
- B. Data portability issues
- C. External breach
- D. Greater system vulnerability

Reveal Solution

Discussion

Question #155

Topic 1

A company is deploying a new application and must decide whether to build an infrastructure to host the application on premises or in the cloud. Which of the following BEST describes the financial impact of hosting the application in the cloud?

- A. The company's capital expense will be less.
- B. The company will be able to defer licensing costs.
- C. The provider will share responsibility for the company's monthly bill.
- D. Monthly operating costs will remain constant despite usage.

Reveal Solution

Discussion

Question #156

Topic 1

A large enterprise has the following invoicing breakdown of current cloud consumption spend:

Department	Cost	Server
Marketing	\$895 per month	Reserved AZ5
Accounting	\$422 per month	Spot AZ5
IT operations	\$485 per month	Spot AZ5

The level of resources consumed by each department is relatively similar. Which of the following is MOST likely affecting monthly costs?

- A. The servers in use by the marketing department are in an availability zone that is generally expensive.
- B. The servers in use by the accounting and IT operations departments are in different geographic zones with lower pricing.
- C. The accounting and IT operations departments are choosing to bid on non-committed resources.
- D. The marketing department likely stores large media files on its servers, leading to increased storage costs.

Reveal Solution

Discussion

Question #157

Topic 1

A software company that develops mobile applications is struggling with the complicated process of deploying the development, testing, QA, and staging environments. Which of the following cloud service models offers the BEST automated development environment for the software company?

- A. SaaS
- B. IaaS
- C. PaaS
- D. CaaS

Reveal Solution

Discussion

Question #158

Topic 1

A cloud administrator needs to ensure as much uptime as possible for an application. The application has two database servers. If both servers go down simultaneously, the application will go down. Which of the following must the administrator configure to ensure the CSP does not bring both servers down for maintenance at the same time?

- A. Backups
- B. Availability zones
- C. Autoscaling
- D. Replication

Reveal Solution

Discussion

Question #159

Topic 1

A company has decided to replicate cloud resources in several different geographic locations. Which of the following terms BEST describes this approach?

- A. Disaster recovery
- B. Deduplication
- C. Redundancy
- D. Data sovereignty

Reveal Solution

Discussion

Question #160

Topic 1

A company recently launched the first version of an application. Based on customer feedback, the company identified the features that need to be incorporated in the next release. Which of the following will help the company understand the extra effort required to meet the customer requirements?

- A. Statement of work
- B. Baseline
- C. Benchmark
- D. Gap analysis

Reveal Solution

Discussion

Question #161

Topic 1

A business analyst is writing a disaster recovery strategy. Which of the following should the analyst include in the document? (Choose three.)

- A. Capacity on demand
- B. Backups
- C. Resource tagging
- D. Replication
- E. Elasticity
- F. Automation
- G. Geo-redundancy
- H. Autoscaling

Reveal Solution

Discussion 1

Question #162

Topic 1

A company is considering moving its database application to a public cloud provider. The application is regulated and requires the data to meet confidentiality standards. Which of the following BEST addresses this requirement?

- A. Authorization
- B. Validation
- C. Encryption
- D. Sanitization

Reveal Solution

Discussion

Question #163

Topic 1

A systems administrator needs to transfer 300GB of data to the cloud every month. Given the information below:

Connection type	Connectivity costs	Transfer limits
VPN (100MB)	Free	\$5 per GB after 10GB
Direct Connect (500MB)	\$200 per month	Free up to 250GB; \$10 per GB after
Enhanced VPN (200MB)	Free	\$10 per GB after 10GB
Enhanced Direct Connect (1GB)	\$500 per month	Unlimited

Which of the following connection methods would be the MOST cost-effective and satisfy the monthly transfer requirements?

- A. VPN (100MB)
- B. Direct Connect (500MB)
- C. Enhanced VPN (200MB)
- D. Enhanced Direct Connect (1GB)

Reveal Solution

Discussion

Question #164

Topic 1

Which of the following aspects of cloud design enables a customer to continue doing business after a major data center incident?

- A. Replication
- B. Disaster recovery
- C. Scalability
- D. Autoscaling

Reveal Solution

Discussion

Question #165

Topic 1

Which of the following concepts is the backup and recovery of data considered?

- A. Risk avoidance
- B. Confidentiality
- C. Integrity
- D. Availability

Reveal Solution

Discussion

Question #166

Topic 1

An analyst is reviewing a report on a company's cloud resource usage. The analyst has noticed many of the cloud instances operate at a fraction of the full processing capacity. Which of the following actions should the analyst consider to lower costs and improve efficiency?

- A. Consolidating into fewer instances
- B. Using spot instances
- C. Right-sizing compute resource instances
- D. Negotiating better prices on the company's reserved instances

Reveal Solution

Discussion 2

Question #167

Topic 1

A small business wants to move its accounting operations to the cloud. Which of the following cloud service models would put the MOST liability on the provider with regard to shared responsibility?

- A. IaaS
- B. BPaaS