CV0-002

CV0-002

Exam A

QUESTION 1
A new browser version has been deployed to all users at a company. After the deployment, users report that they can no longer access the company's secure time-card system, which is hosted by a SaaS provider. A technician investigates and discovers a security error is received upon opening the site. If the browser is rolled back to the older version, the site is accessible again. Which of the following is the MOST likely cause of the security error users are seeing?

A. SSL certificate expiration on the SaaS load balancers
B. Federation issues between the SaaS provider and the company
C. Obsolete security technologies implemented on the SaaS servers
D. Unencrypted communications between the users and the application

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
Due to a competitor's unlimited data plan, a service provider is struggling and wants to transform its business services to be more hosting oriented. A cloud architect is tasked to review current cloud resource capacity and provide recommendations and a plan for better resource utilization. Given the following report:

Name	Type	Utilization
Server1	Media	25%
Server2	Media	15%
Server3	Media	12%
Server4	Host	72%

Which of the following is the BEST option for the architect to suggest?

A. Downsize by migrating all media services to one server and decommission two servers.

B. Downsize by decommissioning servers 2 and 3 and reallocate media servers to hosts.

C. Downsize by migrating all media services to one server, add one host server, and decommission one server.

D. Upsize the hosting services by turning server 1 into a host server.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
A cloud administrator is receiving alerts that the disk on several systems is 90% full. Upon reviewing the systems, the administrator determines that the log directory is using 50% of the disk. The company has a 14-day retention policy for all logs. Which of the following is the BEST solution to implement to minimize future alerts?

A. Orchestrate a job to rotate the logs and upload to external storage.

B. Delete any log files in the directory that are larger than 20MB.

C. Archive the existing logs in the directory and upload to external storage.

D. Add additional storage space to the log directory for the servers.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
A company purchased a SaaS CRM application. The signed SLA meets year-round performance requirements. Three months after deployment, customers start reporting a slow application response time. System availability, connectivity, and proper functionality still meet the SLA. Which of the following is MOST likely the reason for the poor response time?

A. Incorrect business requirements are invalidating the testing results.

B. Bandwidth restrictions are causing poor performance.

C. The application version is causing compatibility issues.

D. Inadequate documentation is affecting the user interface.

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:

QUESTION 5
A multinational corporation needs to migrate servers, which are supporting a national defense project, to a new datacenter. The data in question is approximately 20GB in size. The engineer on the project is considering datacenters in several countries as possible destinations. All sites in consideration are on a high-speed MPLS network (10Gb+ connections). Which of the following environmental constraints is MOST likely to rule out a possible site as an option?

A. Downtime impact
B. Legal restrictions
C. Peak time frames
D. Bandwidth

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
A cloud administrator is provisioning five VMs, each with a minimum of 8GB of RAM and a varying load throughout the day. The hypervisor has only 32GB of RAM. Which of the following features should the administrator use?

A. Memory overcommitment
B. Thin-provisioned model
C. Process scheduling
D. Hyperthreading

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
A company is interested in a DRP. The purpose of the plan is to recover business as soon as possible. The MOST effective technique is:

A. archiving.

B. network clustering.

C. site mirroring.

D. active/active.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
A cloud engineer is using a hosted service for aggregating the logs for all the servers in a public cloud environment. Each server is configured via syslog to send its logs to a central location. A new version of the application was recently deployed, and the SaaS server now stops processing logs at noon each day. In reviewing the system logs, the engineer notices the size of the logs has increased by 50% each day. Which of the following is the MOST likely reason the logs are not being published after noon?

A. The logging directory does not have sufficient storage space.

B. The syslog service is not running on the servers.

C. The data limit has been exceeded at the SaaS provider.

D. There is a cloud service provider outage.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
A cloud administrator notices one of the servers is using the wrong set of NTP servers. The administrator needs to avoid the same issue in the future but needs to minimize administration resources. Which of the following tools should a cloud administrator deploy to meet this requirement?

A. Patching tools

B. Monitoring tools

C. Configuration tools

D. Deployment tools

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
The legal department requires eDiscovery of hosted file shares. To set up access, which of the following is the BEST method to ensure the eDiscovery analyst only has the ability to search but not change configuration or settings?

A. PKI
B. SSO
C. MFA
D. RBAC

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
When designing a new private cloud platform, a cloud engineer wants to make sure the new hypervisor can be configured as fast as possible by cloning the OS from the other hypervisor. The engineer does not want to use local drives for the hypervisors. Which of the following storage types would BEST suit the engineer's needs?

A. CAS
B. NAS
C. DAS
D. SAN

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
A cloud engineer deployed an email server in a public cloud. Users can access the email server, but the emails they send cannot reach their destinations. Which of the following should the cloud engineer do FIRST?

A. Confirm the email server configuration and reinstall the email server software.
B. Validate the security certificate for the email domain.
C. Confirm email encryption service.
D. Consult the cloud vendor's anti-spam policy.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
A file server is being migrated from physical hardware into a private cloud. Baselining of the server shows the disks average 90% full at all times. The contents of the file server consist mostly of compressed audio files. Multiple copies of the same files are often saved in different locations on the same disk. Which of the following storage technologies is MOST likely to help minimize storage utilization when moving this server to the private cloud?

A. Compression
B. Thin provisioning
C. Deduplication
D. Tokenization

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
A cloud administrator is looking at business requirements that specify the data available at the disaster recovery site must not be more than 24 hours old. Which of the following metrics correctly relates to these requirements?

A. RTO
B. MTBF
C. MTTR
D. RPO

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
A cloud implementation engineer successfully created a new VM. However, the engineer notices the new VM is not accessible from another network. A ping test works from another VM on the same subnet. Which of the following is the MOST likely problem?

A. Incorrect subnet
B. Incorrect host IP address
C. Incorrect VLAN
D. Incorrect gateway

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
An administrator is deploying a new application platform with the following resource utilization:

Resource	Total Capacity	Current Usage
DISK	1.5TB	1300GB
IOPS	5000	3000
CPU	12GHz	8.5GHz
Network	10Gbps	3Gbps
RAM	256GB	90GB

Company policy requires that no resource utilization surpasses 80%. Which of the following resources will need to be upgraded prior to deployment?

A. Disk
B. IOPS
C. CPU
D. Network
E. RAM

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
Which of the following is the BEST way to ensure accounts in a cloud environment are disabled as soon as they no longer need to be active?

A. Have the user contact the cloud systems administrator to disable the account when it is no longer needed.
B. When users leave the company, ensure an account disablement request is initiated and will be fulfilled in less than four hours.
C. Have accounts checked by the cloud systems administrator once per day to ensure active accounts are still valid.
D. Reboot directory services servers once a day to ensure all account disablement requests are committed.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
A cloud administrator has deployed a new all-flash storage array with deduplication and compression enabled, and moved some of the VMs into it. The goal was to achieve 4:1 storage efficiency while maintaining sub-millisecond latency. Which of the following results would BEST suit the requirements?

A. Compression 1:1
   Deduplication 4:1
   Overall savings 4:1
   Average latency 1.0ms

B. Compression 1.5:1
   Deduplication 1.8:1
   Overall savings 2.2:1
   Average latency 600us

C. Compression 1.3:1
   Deduplication 3.1:1
   Overall savings 4.3:1
   Average latency 900us

D. Compression 1.8:1
   Deduplication 2.7:1
   Overall savings 4.2:1
   Average latency 1.2ms

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
A newly established CSP allows for drive shipping to upload new data into the environment. Sensitive data on 40TB of storage needs to be transferred within one week. Which of the following is the MOST efficient and secure method for shipment of the data to the CSP with minimal downtime?

A. Create a VPN between the sites and schedule data transfer during non-business hours.

B. Copy the data to encrypted drives and use the CSP-certified shipping provider.

C. Compress and SFTP the data to the CSP.

D. Move the data to encrypted drives and use the CSP-certified shipping provider.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
A manufacturing company's current security policy mandates PII is not stored in the SaaS solution. Which of the following configuration controls should be used to block sensitive information from being stored in the SaaS solution?

A. Implement file-level encryption.
B. Implement a network ACL.
C. Implement an IPS.
D. Implement content filtering.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
A new application with availability SLA requirements of 99.99% has been deployed in a cloud. For a test spanning a month, which of the following unavailability times would mean the test was successful? (Select TWO).

A. 1 minute
B. 4 minutes
C. 10 minutes
D. 30 minutes
E. 60 minutes

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
A technician receives a report of system utilization:

	Current %	Past 30 days %	Past 60 days %	Past 90 days %
CPU	30	26	45	22
RAM	75	55	45	35
Disk	80	80	80	80
Bandwidth	70	75	80	85

Which of the following additional resources should the technician add FIRST given the trend data shown above?

A. CPU
B. Disk
C. Bandwidth
D. RAM

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
A cloud architect is tasked with isolating traffic between subnets in an IaaS platform. The networks should be able to statefully communicate with each other. Given this scenario, which of the following should the architect implement?

A. Configure security groups.
B. Configure HIPS policies.
C. Configure IDS policies.
D. Configure a network ACL.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
Before doing a change on a VM, a systems administrator wants to ensure there is an easy and fast way to rollback if needed. The change and testing should take

approximately two hours. Which of the following is the EASIEST way to meet this requirement?

A. Create a snapshot on the hypervisor.
B. Make an on-demand, incremental backup to a VTL.
C. Make an on-demand, full backup to a secondary location.
D. Create a snapshot on a remote storage array.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
A recent advertisement campaign has increased traffic to an e-commerce application that is hosted within a public cloud environment. Customers are reporting that it takes too long to load their pages and submit orders. A cloud administrator looks at the metrics from the environment and sees high utilization of the CPU and memory resources. The cloud provider offers several preconfigured sizes for server template: x-small, small, medium, large, x-large, and 2x-large.

Server Name	Role	Server Template Size	Peak CPU Usage	Peak Memory Usage
Inxw001	web	medium	40%	45%
Inxpc002	application	2x-large	85%	90%
Inxpc003	application	x-large	95%	95%
Inxpc004	application	2x-large	85%	85%

Given an expected increase in workload, which of the following is the BEST solution to improve application performance?

A. Change the server template size for Inxpc003 to 2x-large.
B. Provision additional Inxpc servers using the 2x-large template.
C. Add memory to Inxpc002, Inxpc003, and Inxpc003.
D. Change the role of Inxw001 from web to application.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
A software development company is building cloud-ready applications and needs to determine the best approach for releasing software. Which of the following approaches should be used?

A. Perform QA, develop, test, and release to production
B. Test, perform QA, develop, and release to production
C. Develop, perform QA, test, and release to production
D. Develop, test, perform QA, and release to production

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
A customer recently provisioned a new server on the IaaS. The IP address assigned from the pool resolves to another hostname. Some user traffic is being dumped or is causing slowness because of this issue. Which of the following maintenance activities does the provider need to perform to prevent this issue?

A. Use cloud provider tools to remove orphaned resources.
B. Initiate resource reclamation.
C. Run a script to remove stale DNS entries.
D. Update outdated security firewall configurations.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
A development team released a new version of an application and wants to deploy it to the cloud environment with a faster rollback and minimal downtime. Which of the following should the cloud administrator do to achieve this goal?

A. Use a rolling deployment to update all the servers in the PROD cloud environment with the new application. To switch to the previous version, repeat the

process.

B. Deploy the application to the PROD cloud environment and the previous version to QA. To switch to the previous version, promote the QA environment to PROD.

C. Deploy the application to a subset of servers in the environment and route traffic to these servers. To switch to the previous version, change the route to the non-updated servers.

D. Deploy the application to a staging environment and force a failover to this environment. To restore the previous version, create a backup and restore from the previous night's backup.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
A business is demanding faster IT services turnaround from its IT groups. The current lead time between request and delivery is three weeks for a task that would take a competitor two days. An architect is asked to develop a solution to reduce the lead time of the request while ensuring adherence to the company policies. Which of the following is the BEST approach to achieve the stated objective?

A. Document the desired state, complete a root cause analysis, and execute the flow.

B. Revise the schedule, implement a waterfall methodology, and flatten the network.

C. Identify deficiencies, optimize change management, and automate the workflow.

D. Follow the company policies, execute the flow, and document results.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
A storage administrator must choose the best replication methodology for storage.

- The datacenters are on opposite sides of the country.
- The RPO is 24 hours.
- Replication and customer access use the same connections.
- Replication should not impact customer access during the day.

Which of the following solutions would BEST meet these requirements?

A. Asynchronous
B. Regional
C. Multiregional
D. Synchronous

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
A company uses its own private cloud, which has few available resources. Mission-critical systems and other information systems are running on it. A new system will be deployed on the private cloud. The following tests are included in the test plan:

- Load test (2h)
- Backup/restore test (6h)
- Functional test (8h)
- Failover test (1h)

The work schedule of the existing system is shown below.

	System open	System close	Batch job
ERP (mission critical)	9:00	22:00	22:00-00:00
Groupware	24h active		no batch
Internal web	24h active		06:00-08:00
Official website	24h active		00:00-00:30

To minimize the effect to the existing system, which of the following schedules is MOST suitable for the load test?

A. 02:00-04:00
B. 09:00-12:00
C. 18:00-20:00
D. 22:00-00:00

Correct Answer: C

QUESTION 32
A cloud administrator is tasked with ensuring redundancy and high availability of an IaaS cloud platform environment. The administrator is given the following requirements:

▪ Two web servers must share the same configurations and service client connections evenly.
▪ Two database servers must share data and configurations, with only one being used at a time.

Given the above, which of the following should the administrator propose to BEST meet these requirements? (Select TWO).

A. The web server should be configured with a round-robin DNS with a CNAME record.
B. The web server should be configured with a load balancer with a virtual IP address.
C. The database server should be configured as an active-active cluster.
D. The database server should be configured as an active-passive cluster.
E. The availability aspect of the request does not currently exist in the IaaS cloud platform.
F. The redundancy aspect of the request does not currently exist in the IaaS cloud platform.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
A cloud administrator has finished building a virtual server template in a public cloud environment. The administrator is now cloning six servers from that template. Each server is configured with one private IP address and one public IP address. After starting the server instances, the cloud administrator notices that two of the servers do not have a public IP address. Which of the following is the MOST likely cause?

A. The maximum number of public IP addresses has already been reached.
B. The two servers are not attached to the correct public subnet.
C. There is no Internet gateway configured in the cloud environment.
D. The two servers do not have enough virtual network adapters attached.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
A public cloud provider recently updated one of its services to provide a new type of application load balancer. The cloud administrator is tasked with building out a proof-of-concept using this new service type. The administrator sets out to update the scripts and notices the cloud provider does not list the load balancer as an available option type for deploying this service. Which of the following is the MOST likely reason?

A. The administrator can deploy the new load balancer via the cloud provider's web console.
B. The administrator needs to update the version of the CLI tool.
C. The administrator needs to write a new script function to call this service.
D. The administrator is not using the correct cloud provider account.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
A cloud service provider wants to offer hardened virtual server images for provisioning purposes. This will enable users to use only the operating system services that are allowed by the provider. Which of the following tasks are MOST appropriate for the hardening process? (Select TWO).

A. Disable automatic updates.
B. Disable the command prompt.
C. Disable unneeded ports and services.
D. Disable the local administrator account.
E. Disable the remote desktop connection.
F. Disable complex passwords.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
A customer wants to schedule a backup job that compares and saves changes from the last full backup. Which of the following backup types should be used?

A. Differential
B. Full
C. Clone
D. Incremental

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: http://www.backup4all.com/kb/backup-types-115.html

QUESTION 37
A company security policy mandates education and training for new employees. The policy must outline acceptable use policies for SaaS applications. Given these requirements, which of the following security controls is BEST suited?

A. Preventive
B. Detective
C. Corrective
D. Physical

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
A company changed its policy to have seven-year data retention in the public cloud. Which of the following would be the MOST cost-effective way to meet retention requirements?

A. Site mirroring

B. Automated archiving

C. Replication

D. Third-party sites

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39
Joe, a systems administrator, deployed a computer and storage for a system and took it to the application team. The next day, the application team claimed the database was slow. The deployment request, result, and current utilization data are shown below.

	Requested Resource	Deployment Result	Current Utilization
CPU	2 vCPU	2 vCPU	30%
Memory	8GB	8GB	100%
Storage	300GB	300GB	35%

Which of the following descriptions of the situation is correct?

A. The deployment was done with the wrong memory configuration.

B. The deployment was unsuccessful due to the cloud failure.

C. The deployment was successful, but the capacity planning was inaccurate.

D. The deployment was done with the wrong storage parameter.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
A large finance firm processes three times as many transactions in December of each year. The transactions are processed in a private cloud. Management wants to avoid adding permanent resources to accommodate the single month increase. Which of the following is the BEST way to meet the need?

A. Migrate all transaction processing to a public cloud and size capacity for the largest seasonal needs.
B. Keep current capacity for processing, but implement cloud bursting to auto scale the resources without having to invest in infrastructure.
C. Determine usage patterns over time and virtualize the processing traffic to give room for seasonal changes in resource demand.
D. Determine usage patterns for the seasonal capacity needs and add physical resources to allow additional processing.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
A cloud engineer notices on a dashboard that the host is close to reaching maximum capacity for the CPU and memory in the cloud environment, which could cause performance issues. The cloud environment has 100 servers, with 25% of the servers consuming their compute only during peak business hours, 25% consuming half of the allocated resources, and the remaining 50% using the compute during off hours. Which of the following should the engineer perform to optimize the efficiency of the compute usage in the cloud?

A. Add additional CPUs and RAM to the host that is serving the cloud.
B. Adjust the cloud workload by migrating resource-intensive applications to different hosts.
C. Add additional hosts to the environment using the cloud management tool.
D. Enable automatic scaling in the cloud management tool.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
A cloud-based web store is experiencing poor website performance and unavailability. Which of the following approaches would prevent the issue without administrator intervention?

A. Install and deploy a load balancer in the front of the web server.
B. Increase the computing resources to the web server.
C. Increase the network's bandwidth to handle the spike.
D. Partner with a cloud provider to scale the required resources as needed.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43
A technician is configuring a new web application to be highly available. The technician has configured multiple web servers in different availability zones at a public cloud provider. The application requires users to be directed to the same server each time they visit. Which of the following network components is MOST likely to accomplish this?

A. Network firewall
B. Intrusion prevention system
C. Global load balancer
D. Virtual private network

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
Which of the following would be appropriate when considering inbound access security for a web-based SaaS solution?

A. Antivirus/anti-malware
B. IPSec
C. Firewall
D. Obfuscation

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
A company has an SLA of 15ms for storage latency.

	90 days ago	60 days ago	30 days ago	Now
Space usage	65%	70%	75%	80%
Average latency	8ms	10ms	15ms	25ms
Storage CPU utilization	50%	65%	90%	95%

Given the above metrics, which of the following is the MOST appropriate change to the environment?

A. Add computing nodes and data nodes on the storage side.
B. Add more storage shelves to the current array.
C. Enable compression on the storage side.
D. Enable deduplication on the storage side.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
After deploying multiple copies of database servers, data scrambling is started on them to anonymize user data. A few minutes later, the systems administrator receives multiple complaints regarding the performance of other VMs. CPU and memory have been eliminated as possible bottlenecks. Which of the following should be verified NEXT as a possible bottleneck?

A. Storage array
B. Database drivers
C. Hardware load balancer
D. Internet connection speed

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 47
A cloud administrator is configuring a bastion host. The bastion host will be used to administer systems in the cloud remotely from the administrator's on-premises desktop. The administrator is given the following requirements:

- Ensure port 22 is open on the host and only allow the public IP of the on-premises router/firewall.
- Ensure port 3389 is open on the host and only allow the public IP of the on-premises router/firewall.
- Harden these services with PKI (where applicable).

Given this scenario, which of the following should the administrator utilize to BEST address these requirements? (Select THREE).

A. RDP protocol from the desktop to the bastion host
B. Telnet protocol from the desktop to the bastion host
C. SSH protocol from the desktop to the bastion host
D. MD5 and RC4 with a signed certificate
E. RSA and AES with a signed certificate
F. Blowfish and SHA-1 with a signed certificate
G. VNC protocol from the desktop to the bastion host

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
After scheduled network maintenance, users report that an externally hosted web application is particularly slow to load. Small items on the page load such as text documents and markup, but larger multimedia files do not load. Which of the following is the MOST likely cause of the reported issues?

A. Incorrect MTU in the network segment

B. Misconfiguration of QoS settings

C. Incorrect VLAN for the affected PCs

D. Excessive latency on the local LAN segment

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
A cloud administrator for a state government agency is tasked with giving access to the voter registration application to a government agency in another state. Only authorized officials from each state should access the application. These agencies have a common environment where applications have been deployed in the past. Which of the following should the cloud administrator do to give access to the application?

A. Deploy part of the application into a public cloud and establish secure connections to a private cloud environment.

B. Deploy the application to a community cloud that is shared with multiple state government agencies only.

C. Deploy the application to a public cloud and implement ACLs and security access policies to limit access.

D. Deploy the application to the state's private cloud and give authentication credentials to the other state's authorized officials.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50
A software solution must be deployed based on the most granular access level. Which of the following methods should be used to meet the requirements?

A. Group

B. RBAC

C. File-based

D. LDAP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
Worldwide users from an organization are experiencing intermittent access to a global cloud application. The cloud provider availability dashboard shows all resource availability has been 100% in the last two weeks. No network outages have been reported. Which of the following should the organization's administrator do BEFORE calling the cloud provider?

A. Check the firewall rules on the headquarters site.
B. Restart the application and applicable services.
C. Allow all traffic at the cloud provider side from any private IP address.
D. Evaluate the DNS to ensure all configurations are correct.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52
A cloud provider is evaluating an insider threat. A resource from the company operations team has access to the servers' virtual disks. This poses a risk that someone could copy and move the virtual server image and have access to the data. Which of the following solutions would help mitigate this problem?

A. Tokenization
B. Encryption
C. Virtual firewall
D. Hashing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
A company is implementing a launchpad within an existing application that will point to an existing SaaS provider. One of the requirements is the user should not have to log on multiple times. SSO is in place. When the launchpad is used, the user is redirected to SaaS providers as designed, but is asked for login credentials.

Which of the following is the MOST likely cause of this issue?

A. Users do not exist within the SaaS provider.
B. Group permissions are incorrect.
C. Users do not exist in directory services.
D. The federation is failing.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 54
A cloud administrator configures a new web server for the site https://companyname.com. The administrator installs a wildcard SSL certificate for
*.companyname.com. When users attempt to access the site, a certificate error is received. Which of the following is the MOST likely cause of the error?

A. Certificate misconfigured
B. Certificate expired
C. Certificate revoked
D. Certificate not signed

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
A cloud service company is proposing a solution to a major sporting venue. The solution offers 99.999% availability during special events, which is proven through
specialized testing. Which of the following techniques should be applied to confirm the high availability claimed by the company? (Select TWO.)

A. Vulnerability testing
B. Penetration testing
C. Load testing
D. Failover testing

E. Integration testing

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 56
An organization is replacing its internal human resources system with a SaaS-based application. The solution is multi-tenant, and the organization wants to ensure ubiquitous access while preventing password replay attacks. Which of the following would BEST help to mitigate the risk?

A. Implement destination resources authentication.
B. Require and implement two-factor authentication.
C. Remove administrator privileges from users' laptops.
D. Combine network authentication and physical security in one card/token.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57
The following three hosts are being put into a virtualization cluster for a new project initiative:

	CPU Cores	CPU Clock Speed	Memory
Host 1	24	2GHz	256GB
Host 2	12	2GHz	256GB
Host 3	12	2GHz	256GB

As more VMs are deployed to the cluster, which of the following virtualization technologies is MOST likely to report an error with this configuration?

A. High availability
B. Ballooning
C. Memory overcommitment

D. Hyperthreading

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58
A company is implementing a SaaS solution with a large user base. SaaS solution licensing is user based, and user management is critical to keep the cost in check. Which of the following is the MOST efficient way to meet this requirement?

A. Have the administrator of the SaaS solution keep track of user activities.
B. Have a nightly upload to the SaaS provider of the current user base based on API call.
C. Have users remove their SaaS accounts when they no longer need the service.
D. Have a weekly user management script maintain the SaaS user base.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 59
A cloud administrator updates the syslog forwarder configuration on a local server in production to use a different port. The development team is no longer receiving the audit logs from that server. However, the security team can retrieve and search the logs for the same server. Which of the following is MOST likely the issue?

A. The development team is not looking at the correct server when querying for the logs.
B. The security team has greater permissions than the development team.
C. The audit logging service has been disabled on the server.
D. The development team's syslog server is configured to listen on the wrong port.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 60
Performance on a new private cloud deployment is not meeting expectations. An engineer has determined the virtualization host is experiencing high ready/wait times. VMs with the following configurations and metrics currently reside on the host:

Name	CPU Count	CPU Utilization	Memory Size	Memory Utilization
VM1	16	20%	32GB	80%
VM2	4	80%	32GB	90%
VM3	4	30%	16GB	35%
VM4	12	90%	24GB	50%

Which of the following troubleshooting choices would MOST likely be used to bring the high ready/wait times to meet the expected baseline?

A. Decrease the CPU count for VM1.
B. Increase the memory size for VM2.
C. Decrease the memory size for VM3.
D. Increase the CPU count for VM4.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61
The CASB report indicates several unsanctioned SaaS applications are being used in an organization. Which of the following is the MOST likely cause?

A. VPN bypass
B. Shadow IT
C. Web proxy bypass
D. CAB approval

Correct Answer: B
Section: (none)
Explanation

QUESTION 62
A company has been migrating a significant number of its on-premises applications to various SaaS providers. The IT department has noticed the following:

1. User account management has become challenging.
2. User account compromises have increased.
3. Accessing various SaaS applications is challenging.

Which of the following should the IT security department implement to BEST resolve the issue? (Select THREE).

A. Single sign-on
B. Multifactor authentication
C. Network intrusion prevention system
D. Password synchronization
E. Federation
F. IPSec tunnel to the SaaS providers
G. VPN to SaaS providers

Correct Answer: BDE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 63
A cloud administrator is securing access to a VM using an IaaS cloud platform. The administrator must perform this task using an automated method, allow administrators to perform any method and expose any property of the VM, deny access for everyone else, and allow only read-only access to everyone else. Given this scenario, which of the following should the administrator use to BEST meet these requirements?

A. jQuery
B. JavaScript
C. Java
D. JSON

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:

QUESTION 64
A cloud administrator wants to apply patches in an isolated copy of the production virtual server to assess the impact. Which of the following activities would BEST achieve this objective?

A. Clustering
B. Snapshot
C. Image backup
D. Cloning

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 65
A security and risk team requires a weekly report to detect VM file system changes and validate the integrity of the OS. Which of the following is the BEST solution for this requirement?

A. Configure a FIM agent on the VM and forward syslogs to a central location.
B. Configure debugging on the VM and forward syslogs to a central location.
C. Configure an antivirus agent on the VM and create the report through the web GUI.
D. Configure a FIM agent on the VM and create the report through the web GUI.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 66
IaaS users are reporting longer than expected wait times when accessing the virtual file repository. There are more than 2TB of free disk space, and vCPU and vRAM do not reach more than 75% utilization. In which of the following ways should the cloud systems administrator analyze this issue?

A. Access the cloud services portal and increase the amount of available disk space by 25%.
B. Access the cloud services portal and check the amount of CPU and RAM on the host machine.
C. Access the cloud services portal and look at the historical performance numbers.
D. Access the cloud services portal and check the security log for access denied requests.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 67
In a private cloud environment, which of the following is the BEST way to update 20 VMs with the same patch that has been regression tested and approved for rollout?

A. Automate the distribution of the patch and use an orchestration tool to roll it out.
B. Roll out the patch manually to the 20 VMs and reboot the system.
C. Deploy the patch to ten VMs for testing and then install it on the remaining VMs.
D. Install the patch on as many VMs as possible during the next maintenance window.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 68
A cloud administrator has configured a connection between two virtual private cloud environments at a public cloud provider that are each in different accounts. The administrator has configured the accounts correctly so they can connect to each other's resources. Both cloud environments have policies that allow anyone from 0.0.0.0/0 on TCP port 22. The following table shows the network configuration information:

Virtual Private Cloud	IP Range	Server IP Address
Finance	10.250.40.0/24	10.250.40.100
Sales	10.250.48.0/24	10.250.48.214

However, the administrator is unable to establish an SSH connection from a server in 10.250.40.100 to 10.250.48.214. Which of the following is the MOST likely issue?

A. The network ACL is not configured to allow SSH access.
B. The IP configuration on one of the servers is incorrect.
C. The administrator does not have sufficient credentials.
D. The routing tables have not been updated correctly.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 69
A company is looking for a hardware feature with the least amount of downtime in terms of firmware upgrades. Which of the following features BEST meet this requirement?

A. In-service upgrades
B. Rolling upgrades
C. Failover upgrades
D. User-mode upgrades

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 70
A company uses SaaS and IaaS solutions from multiple cloud providers. Users report that this requires them to manage and remember multiple user accounts and passwords. Which of the following solutions should be implemented to fix this issue?

A. SSO
B. Federation
C. Password synchronization
D. Lowered password complexity

E. Multifactor authentication

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 71
A CSA needs to bring a client's public cloud site online at another location in the same region after a disaster. The RPO is eight hours, and the RTO is four hours. Which of the following is the BEST way to accomplish this goal?

A. Restore the site at the new location within six hours by using backups from the failed public cloud site from eight hours earlier. Switch users from the failed site to the online regional public cloud site.
B. Restore the site at the new location within two hours by using backups from the failed public cloud site from two hours earlier. Switch users from the failed site to the online regional public cloud site.
C. Restore the site at the new location within eight hours by using backups from the failed public cloud site from six hours earlier. Switch users from the failed site to the online regional public cloud site.
D. Restore the site at the new location within four and half hours by using backups from the failed public cloud site from a half hour earlier. Switch users from the failed site to the online regional public cloud site.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 72
An e-commerce business recently experienced a two-hour outage from its hosted web service provider. According to the SLA, the business needs to determine how much data can be restored. On which of the following service-level components should the business focus?

A. MTTR
B. RPO
C. MTBF
D. RTO

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:

QUESTION 73
A hospital is leveraging a third-party-hosted, SaaS-based EMRS for all its regional locations. The EMRS will consolidate all existent stand-alone regional systems. All regional systems managers are concerned about the new system availability. Which of the following should the new EMRS architect do to address the manager's concerns?

A. Analyze business requirements and design the new EMRS to run the most popular IaaS provider that meets the health industry's needs.
B. Analyze and communicate to regional managers that dual service providers will be used at all regional locations.
C. Analyze business requirements, and design and deploy client-to-site VPN for all regional hospital staff with two-factor authentication or a client certificate.
D. Analyze business requirements and deploy the SaaS EMRS within the hospital's headquarters and create a client-to-site VPN from each region.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 74
A physical server with SSD drives that hosts an IO-intensive database has been migrated into a private cloud to ensure further growth possibilities and accommodate quarterly load spikes (up to 10,000 IOPs). The requirement is to have log partition latency below 5ms and data partition latency below 10ms, irrespective of the load spikes. A cloud administrator has conducted extensive tests after the migration. Which of the following test results would ensure the migration is successful?

A.

	5000 IOPs	10,000 IOPs
Log partition read latency	4ms	5ms
Log partition write latency	1ms	1ms
Data partition read latency	6ms	8ms
Data partition write latency	1ms	1ms

B.

	5000 IOPs	10,000 IOPs
Log partition read latency	4ms	5ms
Log partition write latency	1ms	1ms
Data partition read latency	6ms	11ms
Data partition write latency	800us	900us

C.

	5000 IOPs	10,000 IOPs
Log partition read latency	4ms	5ms
Log partition write latency	800us	900us
Data partition read latency	10ms	12ms
Data partition write latency	800us	900us

D.

	5000 IOPs	10,000 IOPs
Log partition read latency	4ms	5ms
Log partition write latency	10ms	10ms
Data partition read latency	10ms	10ms
Data partition write latency	10ms	10ms

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 75
A company hosts its server in a public IaaS cloud. The company's management decides to migrate the servers to a different geographical region that is closer to the user base. A cloud administrator creates a new environment in that geographical region. Which of the following is the BEST way to migrate the VM from the original geographic region to the new region?

A. 1. Create a full backup of the VM.
    2. Copy the backup files into the new region using FTP.
    3. Restore the VM from the backup files.
B. 1. Create a VM image.
    2. Export the VM image to the new region using vendor's tools.
    3. Deploy a new VM based on the created image.

C. 1. Create a VM clone.
   2. Copy the clone into the new region using FTP.
   3. Apply the network and security groups from the new region to the cloned VM and start it.
D. 1. Create a new VM in the new region.
   2. Restore a full-system backup from the original VM.
   3. Apply the network and security groups from the original region to the new VM.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 76
A new startup company is growing and wants to deploy a human resources management system on a private cloud that is only accessible to the human resources department. Which of the following is the BEST method of access control?

A. Discretionary access control
B. Mandatory access control
C. Non-discretionary access control
D. Comprehensive access control

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 77
A Type 1 hypervisor has the following specifications:

RAM   128GB
CPU   4 socket quad-core
Storage   16TB

Each VM must have 8GB RAM, 1 vCPU, and 512GB storage. Which of the following is the MAXIMUM number of VMs that can be hosted on this hypervisor?

A. 14

B. 15

C. 31

D. 32

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 78
A cloud provider is increasingly discovering hard-to-find issues within the growing infrastructure. The provider has all the basic necessary tools implemented to collect and store data regarding the environment. To allow the cloud provider to focus on relevant events, which of the following is the MOST appropriate technique to build intelligence?

A. Event correlation

B. Event collection

C. Event alerts

D. Event-based workflows

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 79
Company A has just implemented a SaaS-based cloud storage solution. The SaaS solution provides services for both commercial and personal use. The IT department has been tasked to migrate all the on-premises file shares to the SaaS solution with the username being the corporate email address. The IT department is currently using am IAM solution to provision the accounts in the SaaS solution. Upon execution of the account creation process, the IT department is receiving multiple "unable to create account" alerts. Which of the following is the MOST likely cause?

A. The automation task is misconfigured

B. There is a false positive due to lack of testing

C. There are compatibility issues between SaaS and IAM

D. The user accounts already exist

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 80
A company has moved all on-premises workloads into a public cloud. After some time, the cloud engineer starts noticing time drifts on the VMs and suspects an NTP issue. Time drifts were not an issue when all the workloads were on-premises. Which of the following describes how the cloud engineer should resolve the issue?

A. Implement Coordinated Universal Time on all workloads
B. Point all workloads back to an on-premises NTP server
C. Point all workloads to a stratum 2 within the public cloud provider
D. Configure all of the VMs as NTP servers within the public cloud provider

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 81
A security administrator wants to automate the implementation of network-based ACLs for services deployed within the company VPC. The security administrator is mostly concerned with intra-VPN separation to prevent unauthorized communication between cloud deployed services within the VPC.
Which of the following should the security administrator implement?

A. Include a list of the firewall rules in the orchestration script
B. Use the cloud API to deploy and configure anti-malware services
C. Configure the appropriate IDS rules using the cloud portal
D. Write custom scripts to deploy a network ACL between the VPC and the company's network

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 82
An upgrade to a web application, which supports 400 users at four sites, is being tested. The application runs on four servers behind a load balancer.
The following test plan is proposed:
▪ Have 50 users from site A connect to server 1
▪ Have 50 users from site B connect to server 2
▪ Have 50 users from site C connect to server 3
▪ Have 50 users from site D connect to server 4

Which of the following parameters is being properly tested by this plan?

A. Sizing
B. Connectivity
C. High availability
D. Performance

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference: