CV0-002

Number: CV0-002
Passing Score: 800
Time Limit: 120 min
File Version: 1

CV0-002

QUESTION 1
A company is seeking a new backup solution for its virtualized file servers that fits the following characteristics:

- The files stored on the servers are extremely large.
- Existing files receive multiple small changes per day.
- New files are only created once per month.
- All backups are being sent to a cloud repository.

Which of the following would BEST minimize backup size?

A. Local snapshots
B. Differential backups
C. File-based replication
D. Change block tracking

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.acronis.com/en-us/blog/posts/tips-tricks-better-business-backup-and-recovery-world-backup-day

QUESTION 2
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 3
A new SaaS timecard application that is being tested will be used by all employees at a large corporation. The following process was used to test the application:

1. Three users from each site used the application for three weeks.
2. The new application was used side by side with the existing application.
3. The outputs of the old and new applications were compared side by side.

Which of the following requirements did the testing plan confirm? (Select two.)

A. High availability
B. Performance
C. Connectivity
D. Data integrity
E. Sizing
F. Security

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
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 5
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 TLS certificates on the destination email gateway.

C. Confirm email encryption service.

D. Consult the cloud vendor's anti-spam policy.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
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 7
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 8
A customer wants a cloud systems administrator to adjust the backup schedule after month-end to ensure the data can be restored as fast as possible while minimizing the time needed to perform the backup. Which of the following backup types should be scheduled?

A. Synthetic full
B. Incremental
C. Differential
D. Full

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
A cloud administrator uses a script to automatically restart all the servers running in the public cloud provider environment, which hosts e-commerce applications. The administrator decides to implement the same script for a similar environment that hosts the finance applications. After verifying the script is deployed to the

public cloud environment for finance, the administrator schedules a job to run at 9:00 a.m. After 9:00 a.m., the administrator receives a report from the e-commerce team that the application is experiencing outages. Which of the following should the administrator do to resolve the issue?

A. Update the version of the CLI tool for the public cloud provider.
B. Copy the script up to a bastion host in the environment and run it from there.
C. Validate the access credentials for the cloud provider are correct.
D. Debug the script and modify it to remove the flawed logic.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
A company wants to take advantage of cloud benefits while retaining control of and maintaining compliance with all its security policy obligations. Based on the non-functional requirements, which of the following should the company use?

A. Hybrid cloud, as use is restricted to trusted customers
B. IaaS, as the cloud provider has a minimal level of security responsibility
C. PaaS, as the cloud customer has the most security responsibility
D. SaaS, as the cloud provider has less security responsibility

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
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 12
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 13
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 14
A company wants to leverage a SaaS provider for its back-office services, and security is paramount. Which of the following solutions should a cloud engineer deploy to BEST meet the security requirements?

A. Firewall
B. IPS/IDS
C. Proxy gateway
D. CASB

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15

A company upgraded a hosted vulnerability scanner to the latest version, and now tickets are not being created to assign critical vulnerabilities. After confirming the ticketing issue, all the scanning services are confirmed to be running on the VM. Which of the following is the MOST likely cause and best method to fix the issue?

A. There was an IP change to the VM. Make changes to the server properties.
B. The upgrade has a bug Reboot the server and attempt the upgrade again.
C. The vulnerability scanner is on a different subnet. Open the ports, and it will reconnect.
D. There is an application compatibility issue. Roll back to the previous working backup.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
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 17
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 18
A university is running a DNA decoding project that will take seven years if it runs on its current internal mainframe. The university negotiated a deal with a large cloud provider, which will donate its cloud resource to process the DNA decoding during the low peak time throughout the world. Which of the following is the MOST important resource the university should ask the cloud provider to donate?

A. A large storage for the DNA decoding results
B. A larger pipe to transfer the results
C. A closer datacenter to the university
D. Any available compute resource

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
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 20
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 21
A cloud administrator is integrating account logins with Facebook, LinkedIn, and Twitter for marketing and to increase market presence using social media platforms. Given this scenario, which of the following components are needed to match these requirements? (Select TWO).

A. SOAP
B. SAML assertion
C. Security token

D. Identity provider

E. Session state

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
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
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
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 24
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 25
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 26
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 27
A cloud administrator reports a problem with the maximum number of users reached in one of the pools. There are ten VMs in the pool, each with a software capacity to handle ten users. Based on the dashboard metrics, 15% of the incoming new service requests are failing. Which of the following is the BEST approach to resolve the issue?

A. Check compute, storage, and networking utilization in the dashboard and increase capacity by adding more resources.

B. Check current licensed capacity and purchase additional licenses to add more users.

C. Check the DHCP scope and increase the number of available IP addresses by extending the pool.

D. Check the rate-of-load increase to determine if the cloud capacity boundary has been exceeded and enable bursting to the pubic cloud.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
In an IaaS environment, the security team issues a new signature file to prevent specific malware threats from infiltrating the company network. Which of the following describes where the security team should deploy the updated signatures?

A. IDS
B. Spam filter
C. WAF
D. NIPS
E. HIPS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
A consultant is helping a large company migrate its development environment to a public cloud provider. The developers are working on a VDI solution. The development tools that employees utilize require greater control of the OS environment. Which of the following cloud types should the consultant implement?

A. SaaS
B. PaaS
C. Bare metal service
D. IaaS

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
During peak times, users are unable to access their online wealth management applications in a timely fashion. The online banking application resides in a community cloud environment. Which of the following explains how the cloud systems administrator should start to resolve this issue?

A. Access the cloud services portal and ensure memory ballooning is enabled.

B. Access the cloud services portal and ensure there is adequate disk space available.

C. Access the cloud services portal and ensure all users are accessing it through the same web service.

D. Access the cloud services portal and ensure the ACLs are set correctly for the user community.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
A business is planning to migrate from a private cloud to a public cloud. To document business continuity, which of the following should be done FIRST?

A. Develop a disaster recovery plan with partners/third parties.

B. Define the set of application-based SLAs.

C. Identify HA technology to provide failover.

D. Define the scope of requirements.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
A cloud administrator is managing two private cloud environments. In cloud A, the disaster recovery solution has an SLA for RPO of five minutes and RTO of one hour. In cloud B, the disaster recovery solution has an SLA for RPO of one hour and RTO of 24 hours. A new customer's application requires that, in case of a disaster, no more than 15 minutes of data can be lost, and it should be fully recovered within one day. Which of the following would be the BEST approach to this application?

A. Tell the customer cloud A is the best solution

B. Put it in cloud B and ask the customer to create snapshots every 15 minutes
C. Both cloud A and cloud B would suit the customer's needs
D. Change the cloud B disaster recovery solution so RPO will be 15 minutes

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
A new private cloud platform is being deployed by an engineer. SLA requirements state that any clusters should have a baseline redundancy sufficient to handle the failure of at least two hosts. The engineer records the following metrics after the deployment:

	CPU Utilization	RAM Utilization	NIC Utilization	Disk Utilization
Host 1	90%	10%	90%	50%
Host 2	50%	10%	30%	50%
Host 3	65%	90%	35%	50%
Host 4	65%	90%	25%	50%
Host 5	65%	85%	30%	50%

Which of the following metrics is MOST likely to represent a violation of SLA?

A. RAM utilization
B. NIC utilization
C. CPU utilization
D. Disk utilization

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
A hospital is deploying a web-based application in its private cloud to service multiple facilities in a region. This application is used by employees of the hospital, as

well as the patients and their families. Which of the following security configurations is MOST likely to be deployed to secure the information from the application?

A. IPSec
B. PPTP
C. L2TP
D. SSL/TLS

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
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 36

A VM was deleted by mistake today at 11:05 a.m. Below are the backups currently available for the VM:

Backup Type	Date Time
Incremental	Today 00:00
Incremental	Yesterday 00:00
Synthetic-full	Yesterday 12:00
Full	Three days ago 00:00
Snapshot	Today 11:00
Snapshot	Today 07:00
Snapshot	Today 03:00

Crash-consistent restore is acceptable. Which of the following backups should be chosen?

A. Snapshot from today at 11:00
B. Full from three days ago at 00:00
C. Incremental from today at 00:00
D. Synthetic-full from yesterday at 12:00

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
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 38
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 39
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 40
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 41
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

Explanation/Reference:

QUESTION 42
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 43
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 44
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 45
An administrator defines a backup as follows:

▪ One weekly full backup
▪ Daily incremental backup

Which of the following BEST describes where the administrator would define this?

A. Backup SLA document
B. Backup orchestration workflow
C. Backup schedule
D. Provisioning schedule

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
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 47
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 48
Company A just acquired Company B and needs to migrate critical applications to Company A's private cloud infrastructure. Company B's applications are running on legacy servers and cannot be removed from the current datacenter where they reside. Which of the following migration strategies should the cloud administrator use?

A. V2V
B. P2V
C. V2P
D. P2P

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
Ann, the lead product developer for a company, just hired three new developers. Ann asked the cloud administrator to give these developers access to the fileshares in the public cloud environment. Which of the following is the BEST approach for the cloud administrator to take?

A. Clone Ann's account to create three new developer accounts.
B. Distribute the credentials of Ann's shared account to the three new developers.
C. Copy the fileshares to each new developer's laptop.
D. Create a new role to access the fileshares and assign the three new developers.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50
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 51
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 52
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 53
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 54
A consultant is helping a gaming-as-a-service company set up a new cloud. The company recently bought several graphic card that need to be added to the servers. Which of the following should the consultant suggest as the MOST cost effective?

A. Private
B. Public
C. Community
D. SaaS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
A CASB provides the application proxy and web application firewall to a large retailer. All access to the retailer cloud application must originate from the CASB-designated IP addresses. The CASB has known geolocations with known IP addresses. Suddenly, all customers are not able to access the retailer cloud applications. Which of the following is MOST likely the reason for the issue?

A. Additional CASB IP addresses were added to the authorized pool
B. All of the CASB's European datacenters are down
C. There was federation and SSO misconfiguration
D. The CASB's SSL/TLS certificate expired

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 56
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:

QUESTION 57
A cloud provider wants to automate the installation of standard applications and services as part of the PaaS environment. The provider generates scripts for installation and configuration, taking into account the values provided by the users as input. The scripts need to be run automatically as part of the provisioning process and reused later for other purposes.

Which of the following would help the provider do this?

A. Provisioning
B. Orchestration
C. Self-service portal
D. Baselines

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.microsoft.com/en-us/azure/automation/automation-intro

QUESTION 58
A company wants to ensure production data is not exposed during a functional and load testing exercise, as it will be the source of the data.

Which of the following techniques should the cloud administrator deploy to ensure testing requirements are met?

A. Data masking
B. Data Deduplication
C. Data Mirroring

D. Data replication

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: http://www.oracle.com/us/products/database/data-masking-best-practices-161213.pdf

QUESTION 59
An administrator needs to make a file-level backup of a VM before deploying monthly updates. The backup should capture all changes since the last backup but should NOT reset the archive bit on any files.

Which of the following backup types BEST meets these requirements?

A. Incremental
B. Full
C. Snapshot
D. Differential
E. Delta Tracking

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.datarecoverygroup.com/which-backup-method-should-i-use

QUESTION 60
As part of a nightly testing process, new version of an application is deployed to the set of web servers in the development environment.

Which of the following is the BEST way to ensure the test environment is consistent with the previous night's test?

A. Clone the development web servers to the test environment.
B. Reprovision the web servers using predefined templates.
C. Undeploy the previous application and deploy the new version.
D. Revert to a previous state using configuration management tools.

Correct Answer: D

QUESTION 61
An automation performs the following on a monthly basis:

- Disable accounts that have not logged on in the last 60 days
- Remove firewall rules with zero hits in the last 30 days
- Remove DNS entries that have not been updated in the last 60 days
- Archive all logs that are more than 30 days old

Six weeks after this new automation is implemented, an internal client reports that quarterly replication failover testing has failed.

Which of the following is the MOST likely cause of the failed test?

A. Disabling accounts
B. Removing firewall rules
C. Removing DNS entries
D. Archiving logs

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference https://cloud.google.com/vpc/docs/using-firewall-rules-logging

QUESTION 62
Users at a university are experiencing slow response and performance issues with private cloud services. The university was compromised, and a loss of bandwidth utilization was reported.

Without deploying new software, which of the following should be performed to determine the cause of the issues?

A. Send all logs for all cloud components to an event and incident management system for correlation and review.
B. Locate all load balancers in the cloud and replace them with the latest version of content delivery controllers.
C. Install sniffing tools, catalog the type of traffic, and capture all traffic to and from the target systems.
D. Implement and update an antivirus solution to the cloud infrastructure to detect potential threats.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 63
Joe, a customer, wants to implement backup of his replicated VMs so production performance is not affected at the primary site.

Which of the following backup methods would be the MOST appropriate?

A. Snapshot-based backup at the secondary site
B. Mirroring to a third site from the primary site
C. Agent-based backup at the primary site
D. Agent-based backup at the secondary site

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference https://docs.microsoft.com/en-us/azure/virtual-machines/linux/backup-and-disaster-recovery-for-azure-iaas-disks

QUESTION 64
A customer is building a web cluster in which all nodes must access a shared pool of images.

Which of the following storage types would be BEST for this workload?

A. Block storage
B. File-level access storage
C. Direct attached storage
D. Object Storage

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/cloud/learn/object-storage

QUESTION 65
Developers are frustrated by the deployment delay caused by setting up permissions and firewall rules.

Which of the following would be the BEST way to resolve this issue?

A. Automate security services through the system life cycle.
B. Train all staff on ITIL v3 and document the service management.
C. Escalate to the change manager and reorganize the development team.
D. Outsource security services to a reputable organization.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 66
A non-critical vulnerability has been identified by a Linux vendor, who has released a patch and recommends that it be applied immediately.

Which of the following is the BEST plan for the cloud administrator to install the patch?

A. Schedule an emergency maintenance window and deploy the patch to servers in production.
B. Deploy the patch to the failover cluster and force a failover to the patched environment.
C. Deploy the patch to half of the servers in production and monitor for any issues.
D. Deploy the patch to the development and QA environments and request a functional test review.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 67
Government agencies currently operate their own websites, each with its own directory services. There is a mandate to minimize IT administration.

Which of the following should the cloud services architect choose to BEST meet this mandate?

A. Set up a direct VPN tunnel between the government sites.
B. Upgrade all stand-alone systems to use mobile technologies.
C. Upgrade the operating systems on all of the web servers.
D. Reengineer the identification and authorization process.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 68
Given the metric below:

	Monday	Tuesday	Wednesday	Thursday	Friday
CPU utilization	20%	70%	40%	30%	20%
Disk latency	5ms	5ms	5ms	25ms	25ms
WAN latency	45ms	45ms	45ms	45ms	45ms
RAM utilization	20%	25%	30%	35%	45%

Using iSCSI storage reports across three datacenters, which of the following recorded metrics indicates an anomaly in the performance?

A. Disk latency
B. CPU utilization
C. WAN latency
D. RAM utilization

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 69
The sales department is preparing to launch a high-demand product for purchase through the company's online store. The senior engineer asks the junior engineer to review the sales cloud resources to plan for a surge in online traffic:

Resource	CPU	RAM	Disk	Network
Hypervisor cluster 1	22%	40%	29%	15%
Hypervisor cluster 2	75%	80%	16%	12%

Given the metrics in the table above, which of the following resources should be adjusted to plan for future growth?

A. Propose additional memory for cluster 1.
B. Propose additional storage for cluster 1.
C. Propose additional guests for cluster 2.
D. Propose additional hosts for cluster 2.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 70
Ann, a cloud administrator, is reporting on how the organization has adhered to its marketing of 99.99999% system availability SLA.

Given this scenario, which of the following should Ann include in her report?

A. System clock time
B. System idle percentage
C. System response time
D. System uptime

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 71
A SaaS customer reports that no one can access the application portal. After some troubleshooting, the cloud administrator finds a problem and provides a remedy by restarting the cluster. After documenting the solution, the support case is closed. Multiple tenants lose access to their hosts the following day.

Which of the following troubleshooting steps did the administrator miss?

A. Identify the problem.
B. Establish a theory.
C. Verify full system functionality.
D. Test the theory.
E. Establish a plan of action.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://books.google.com.pk/books?id=2kyQDwAAQBAJ&pg=PA1494&lpg=PA1494&dq=identify+the+problem.+B.+Establish+a+theory.+C.+Verify+full +system+functionality.+D.+Test+the+theory.+E.+Establish+a+plan+of +action.&source=bl&ots=aKln605Y9S&sig=ACfU3U3jRJ7JGB5HyIv2cH6Yra3UmkYq1g&hl=en&sa=X&ved=2ahUKEwjKubLz59voAhVwzjgGHcI2A6gQ6AEwC3oE CAwQKQ#v=onepage&q=identify%20the%20problem.%20B.%20Establish%20a%20theory.%20C.%20Verify%20full%20system%20functionality.%20D.%20Test% 20the%20theory.%20E.%20Establish%20a%20plan%20of%20action.&f=false

QUESTION 72
A new version of an e-commerce application was deployed using a standard template configuration of 4 vCPU and 8GB of RAM. The administrator has configured the application to automatically add 4 GB of RAM after 80% utilization of continuous use over a period of time.

Which of the following testing techniques should be used to test this scenario?

A. Integration testing
B. Load testing
C. Penetration testing
D. Automation testing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://searchsoftwarequality.techtarget.com/definition/load-testing

QUESTION 73
With increased traffic to a website, several outages have occurred due to a log files filling the root drive of the web servers. An administrator is considering several possible solutions to prevent future outages.

Which of the following techniques is MOST likely to impact server performance if implemented?

A. Archiving logs.
B. Clearing logs.
C. Log redirection.
D. Drive compression.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 74
A cloud technology vendor has released an update to its product. A company providing cloud services need to quickly adopt the update to provide support to its customers.

Which of the following is the MOST efficient action to complete this task?

A. Use a virtualization tool to apply patches to cloud resources.
B. Use an automatic system restart to update the cloud resources.
C. Use an orchestration tool to automate updates across cloud resources.
D. Use custom scripts to distribute the release to the cloud resources.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 75
A cloud administrator sets up performance monitoring, which raises alerts. The monitoring runs periodically and checks for the suggested parameters. However, alerts are not being raised in a timely fashion.

Which of the following is the MOST appropriate action to resolve the issue?

A. Shorten the probing period for alerts.
B. Configure schedule alerts.
C. Enable autocorrelation for alerts.
D. Implement scaling alerts.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 76
A consultant is helping a gaming-as-a-service company set up a new cloud. The company recently bought several graphic cards that need to be added to the servers.

Which of the following should the consultant suggest as the MOST cost effective?

A. Private
B. Public
C. Community
D. SaaS

Correct Answer: A
Section: (none)
Explanation

QUESTION 77
A company is subcontracting part of a large project to another company. Management wants to ensure that there is a secure way for employees from both companies to share data without exposing internal information to employees at the other company.

Which of the following cloud models BEST serves this purpose?

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

Correct Answer: D
Section: (none)
Explanation

QUESTION 78
A mobile subscriber is experiencing random limited-service outages. Customers report being unable to make calls or browse. The service provider management console is not showing any alarms, errors, or critical logs, but does show a large number of connection request failures.

Which of the following could be the problem?

A. Misconfigured federation
B. IP address limitations
C. SSO failure
D. Unavailable directory service

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 79
A cloud administrator needs to configure multiple web servers to participate actively in workload processing.

Which of the following will BEST help the administrator achieve this goal?

A. Deploy availability group and enable autoscaling.
B. Deploy availability group and enable load balancing.
C. Deploy a reverse proxy in the DMZ.
D. Deploy an HA group and make each website public.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 80
A private cloud is using the iSCSI protocol for connection from storage to hypervisors. This connection is not encrypted currently, and the systems administrator is tasked with enabling on-the-fly encryption.

Which of the following technologies should the administrator use?

A. PKI
B. IPSec
C. HTTPS
D. LUN encryption

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 81
A Big Data analytics company wants to ensure its data is protected at rest.

Which of the following is the BEST hardware-based solution?

A. Self-encrypting disk
B. Tokenization
C. LUN masking
D. Deduplication

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 82
A new service request asks for all members of the finance department to have access to the accounting department's file server VMs on the private cloud environment.

Which of the following is the MOST efficient way to fulfill this service request?

A. Set up duplicate file server VMs that the finance department has access to and enable two-way replication.
B. Add all users of the finance department to the accounting departments file server VMs access lists.
C. Implement a single sign-on and two-factor authentication solution using a soft token.
D. Create a new group for the finance department that will allow access to the accounting department's file server VMs.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 83
An administrator is performing a migration of a physical cluster that uses boot from SAN into private cloud. The systems administrator needs to minimize the downtime required.

Which of the following migrations is the BEST option for the systems administrator to use?

A. P2V with cold system cloning on the storage infrastructure.
B. P2V with storage migration on the hypervisor.
C. P2V with copy of the LUNs into data stores for hypervisor access.

D. P2V with raw device mapping/pass-through LUNs on the storage system.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 84
A technician receives a call from Joe, a user, who is unable to log into any of the company's SaaS application. The applications are provided by multiple vendors.
Joe reports his credentials were working previously, and he is able to log into the locally hosted applications with the same credentials.

Which of the following is the MOST likely cause of Joe's issues?

A. There is an error with the federation service.
B. The user's account is locked out.
C. The user's security token has expired.
D. The user's personal certificate has expired.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 85
A cloud architect is deploying a VM in a public IaaS cloud. The software that will be installed on the VM is not compatible with any of the OS versions in the system images offered by the IaaS vendor.

Which of the following is the BEST way to deploy a VM with the required OS?

A. Develop a VM image on an on-premises hypervisor and send it on a physical hard drive to the cloud provider's datacenter.
B. Use a bare metal service instead of IaaS and verify that the bring-your-own OS feature is available.
C. Develop a VM image on an on-premises hypervisor and upload it to the cloud via API.
D. Host the server on premises and integrate it with the IaaS service using the hybrid cloud model.

Correct Answer: D

QUESTION 86
Recent feedback from an employee engagement survey stated that users are frustrated with multiple logins to different SaaS providers, and the cloud engineering teams is directed to address this issue and implement a solution. The security policy states that users must access the SaaS from approved IP addresses.

Which of the following is the BEST and most efficient solution to deploy?

A. Deploy an IPSec tunnel to each SaaS provider and enable biometric login.
B. Deploy a smart card login and change passwords to each SaaS vendor every 30 days.
C. Deploy a CASB solution and whitelist the approved SaaS applications.
D. Deploy SSO and enforce VPN access to the corporate domain.

Correct Answer: D

QUESTION 87
A service engineer is trying to determine why one of the company's SaaS solution is no longer available. The internal systems are responding and other online applications using the same SaaS solution are responding as expected.

Which of the following is the MOST common cause of the availability issue?

A. Cloud service provider outage
B. Automation/orchestration issue
C. Integration issue
D. Subscription issue

Correct Answer: C

QUESTION 88
An administrator is creating new severs in a public cloud. The workflow creates and application group with three VMs, one web server, one application server and one database server. The three VMs are all accessible via SSH, but the websites shows a 503-error referring to a database issue.

Which of the following is the MOST likely cause of the error?

A. Misconfigured VLAN
B. Misconfigured proxy
C. Misconfigured firewall rule
D. Misconfigure routing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.microsoft.com/en-us/help/4464854/scenario-5-my-website-is-throwing-http-error-503-the-service-is-unavai

QUESTION 89
A facilities management company uses a private cloud that bursts to a public cloud at times. The CSA is asked to check the amount of storage that is used when the organization is overutilizing on-premises resources.

Which of the following should the CSA check?

A. Ensure deduplication is enabled on all storage volumes.
B. Check storage utilization in the public cloud.
C. Verify storage utilization in the private cloud.
D. Confirm storage utilization in the public cloud backup environment.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 90
Cloud developers are experiencing a delay caused by the static code review before each deployment. The security operator and developer must address the issue

without cutting corners with security testing. Which of the following would BEST address the delay issue?

A. Replace the static code analysis with hardening techniques.
B. Perform the static code analysis earlier in the SDLC.
C. Perform a penetration test instead of a static code analysis.
D. Replace the static code analysis with a vulnerability analysis.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 91
A company provides IaaS services. Which of the following disk provisioning models for creating standard template should the company use to provision virtual instances?

A. Thin disk
B. SCSI disk
C. SATA disk
D. Thick disk

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 92
Several state and local law enforcement agencies have decided to share information about traffic violations within their state by using a new search application. The state has policies around limiting the exposure of PII, and each local agency must comply with these policies. Which of the following cloud architecture models would be the BEST approach?

A. Deploy the application to a public cloud and establish connections for each local agencies' private cloud and use federation.
B. Have each local agency publish its data to an account that has been set up in a public cloud provider and deploy the application there.
C. Deploy the application in each local agency's private cloud and create accounts for everyone to allow access to publish and search the data.
D. Deploy the application in the state's shared cloud environment and create federation between the local agencies.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 93
A cloud administrator is troubleshooting a network issue that was raised after the introduction of a CASB solution. The administrator attempts different ideas during troubleshooting but is unable to resolve the issue. In which of the following steps of the troubleshooting process is the administrator experiencing an issue?

A. Identifying the problem
B. Establishing a theory of probable cause
C. Testing the theory to determine the cause
D. Documenting the findings and actions

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 94
A multinational corporation is moving its worldwide cloud presence to a single region, which is called Region A. An administrator attempts to use a workflow, which was previously used to deploy VMs to Region E in the new Region A environment, and receives the following error: *Invalid character set*. Which of the following is the MOST likely cause of the error?

A. Language support
B. Licensing failure
C. Authentication issues
D. Time-zone misconfiguration

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 95
Below is the output from a troubleshooting activity:

1. SaaS application is unavailable to a set of users at a single site.
2. WAN connectivity was considered to be the cause of the problem.
3. Upon testing, it seemed the WAN connectivity was up, but the default gateway was unreachable from the internal users.
4. The faulty switch was replaced to bring up the connectivity.
5. The incident was documented.

Based on the methodology, which of the following steps was overlooked during the activity?

A. Problem identification
B. Establish theory of probable cause
C. Verify full system functionality
D. Establish a plan of action and implement the solution

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 96
A company is required to ensure all access to its cloud instance for all users to utilize two-factor authentication. The QA team confirms all functional requirements successfully test. After deployment, all business users report the two-factor authentication is not enforced while accessing the instance. Which of the following would be the MOST likely reason the QA team did not catch the issue?

A. The business users are using the wrong hardware token to log in.
B. The administrator configured to use two-factor authentication by default.
C. The QA team only tested functional requirements.
D. The business users are accessing the instance located in their country.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 97
A cloud administrator is securing data-at-rest and data-in-transit featured on an IaaS cloud platform. The volume to be secured is mounted storage from the same region and availability zone. The data is transferred via FTP to another Linux server in a secure manner in another availability zone, with the same data-at-rest requirements. Given this scenario, which of the following security tools, services, and/or protocols would satisfy these requirements in the MOST secure manner? (Choose three.)

A. Ensure SSHv1 remote connection protocol is enabled.

B. Ensure SSHv2 remote connection protocol is enabled.

C. Ensure SSLv3 transport protocol is enabled.

D. Ensure TLSv1.2 transport protocol is enabled.

E. Ensure AES encryption is enabled.

F. Ensure 3DES encryption is enabled.

G. Ensure MD5 hashing is enabled.

Correct Answer: BDE
Section: (none)
Explanation

Explanation/Reference: