CompTIA CV0-002

CompTIA Cloud+

Version: 5.0

QUESTION NO: 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

Answer: C
Explanation:

QUESTION NO: 2 CORRECT TEXT

A company has decided to scale its e-commerce application from its corporate datacenter to a commercial cloud provider to meet an anticipated increase in demand during an upcoming holiday. The majority of the application load takes place on the application server under normal conditions. For this reason, the company decides to deploy additional application servers into a commercial cloud provider using the on-premises orchestration engine that installs and configures common software and network configurations. The remote computing environment is connected to the on-premises datacenter via a site-to-site IPSec tunnel. The external DNS provider has been configured to use weighted round-robin routing to load balance connections from the Internet.

During testing, the company discovers that only 20% of connections completed successfully.

Review the network architecture and supporting documents and fulfill these requirements:

Part 1:

1. Analyze the configuration of the following components: DNS, Firewall1, Firewall2, Router1, Rouler2, VPN and Orchestrator Server.

2. Identify the problematic device(s).

Part 2:

3. Identify the correct options to provide adequate configuration for hybrid cloud architecture.

Instructions:

If at any time you would like to bring back the initial state of the simulation, please select the Reset button. When you have completed the simulation, please select the Done button to submit. Once the simulation is submitted, please select the Next button to continue.
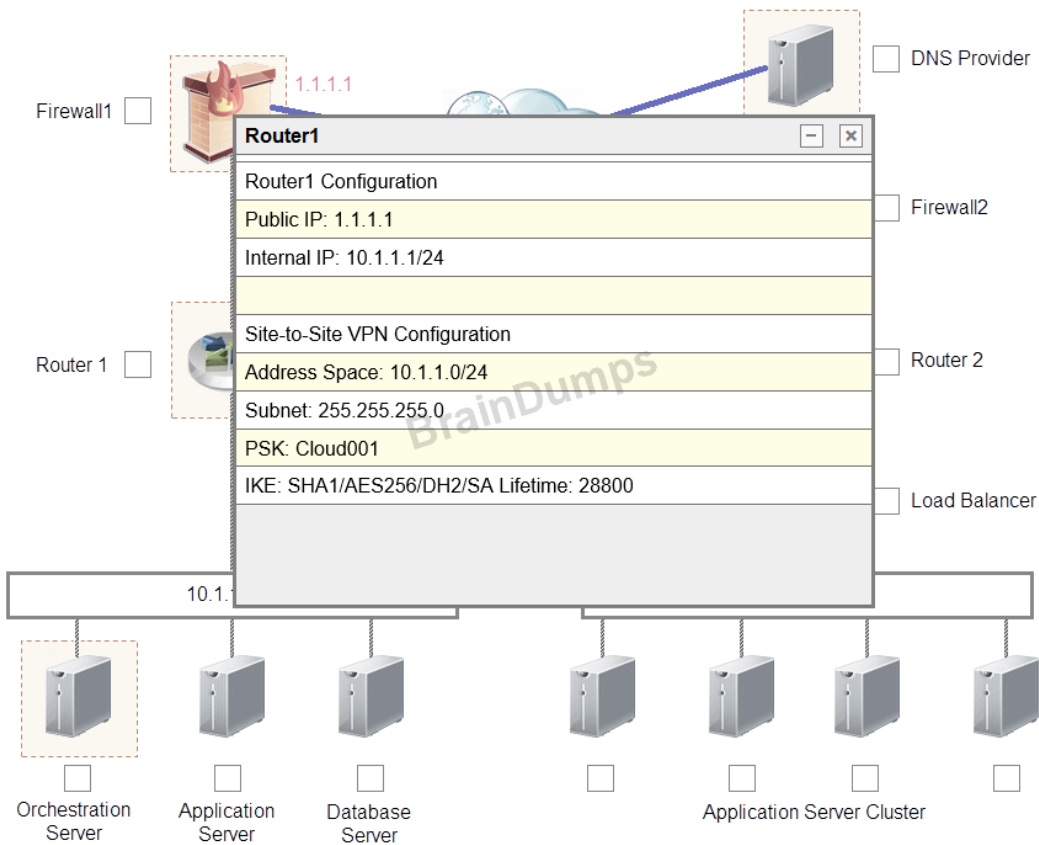
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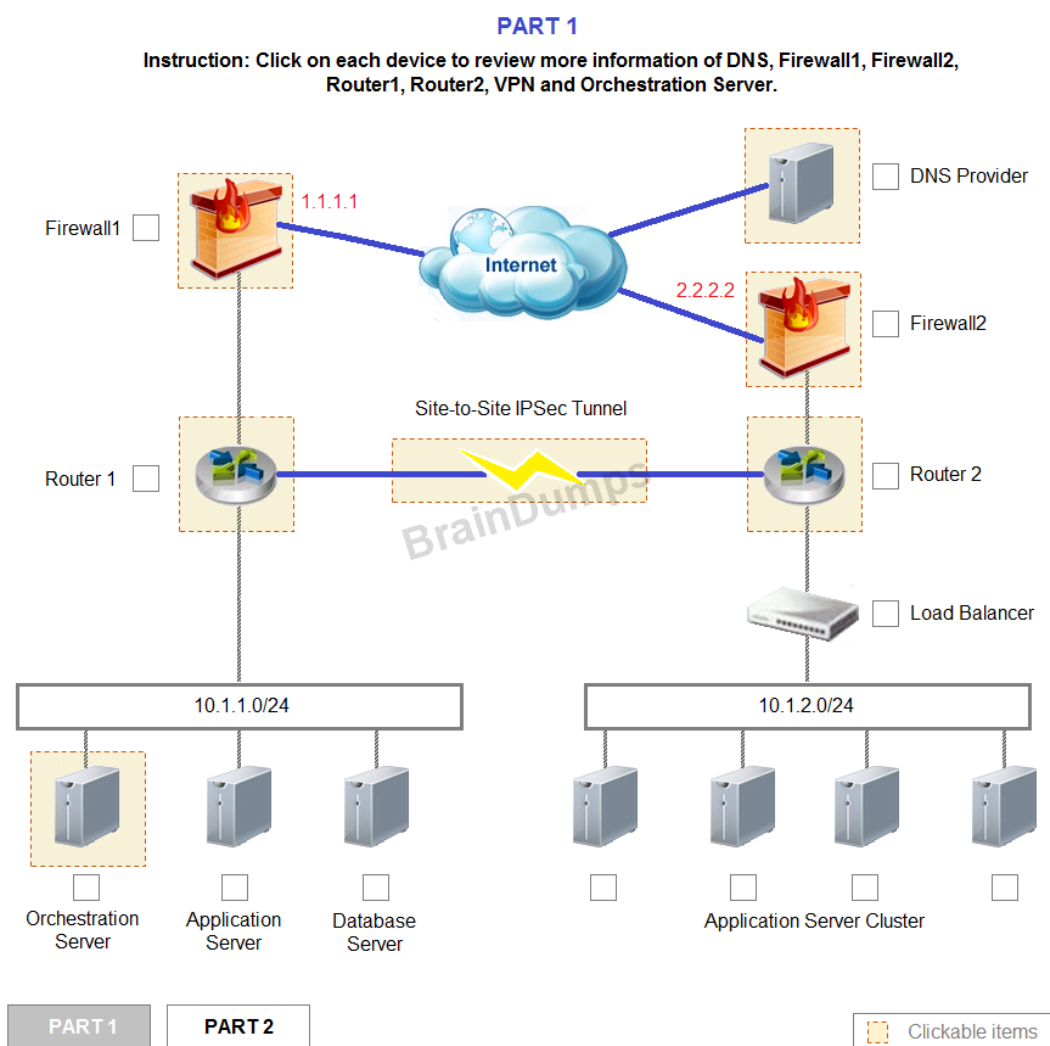
PART 1
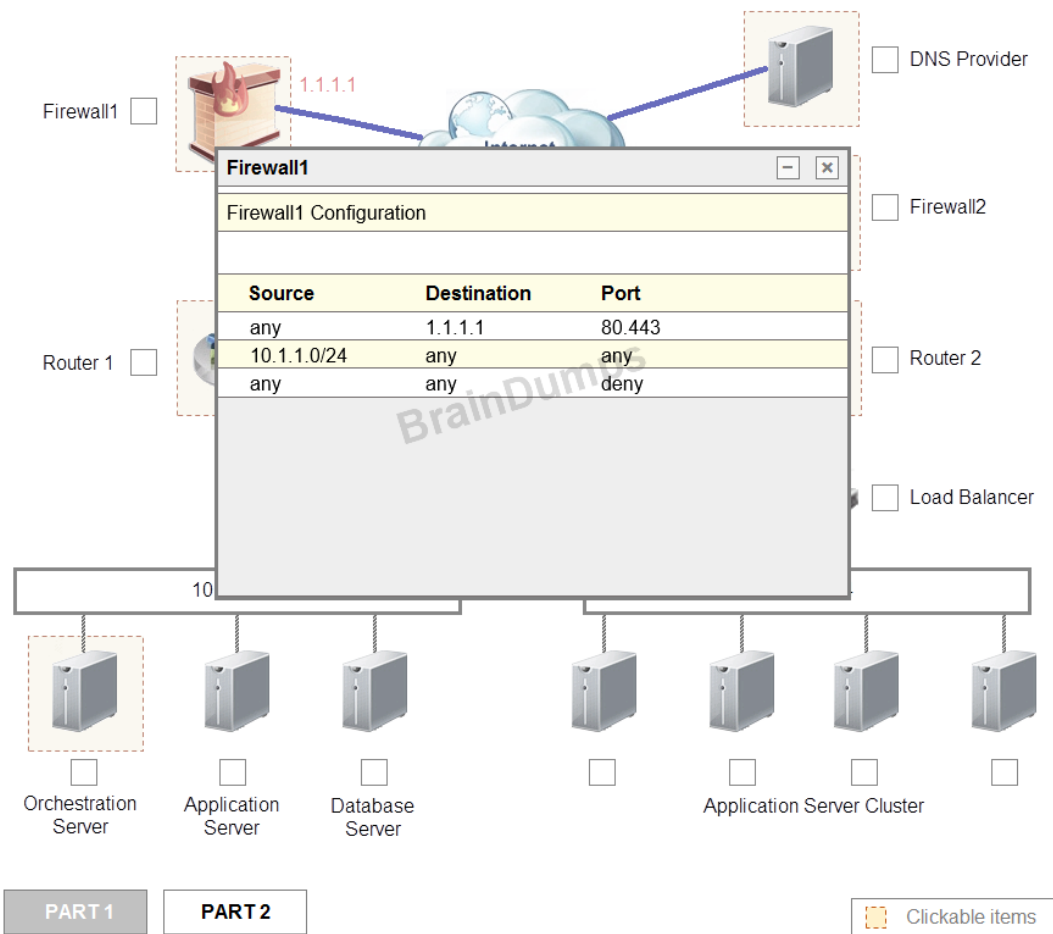
Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestration Server.

PART 1

Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestration Server.

Firewall1 ☐   1.1.1.1

☐ DNS Provider

Firewall1 ▢ ✕

Firewall1 Configuration

Source	Destination	Port
any	1.1.1.1	80.443
10.1.1.0/24	any	any
any	any	deny

☐ Firewall2

Router 1 ☐

☐ Router 2

☐ Load Balancer

10

☐   ☐   ☐   ☐   ☐   ☐   ☐

Orchestration   Application   Database   Application Server Cluster
Server   Server   Server

| PART 1 | PART 2 |

⬚ Clickable items

PART 1

Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestration Server.
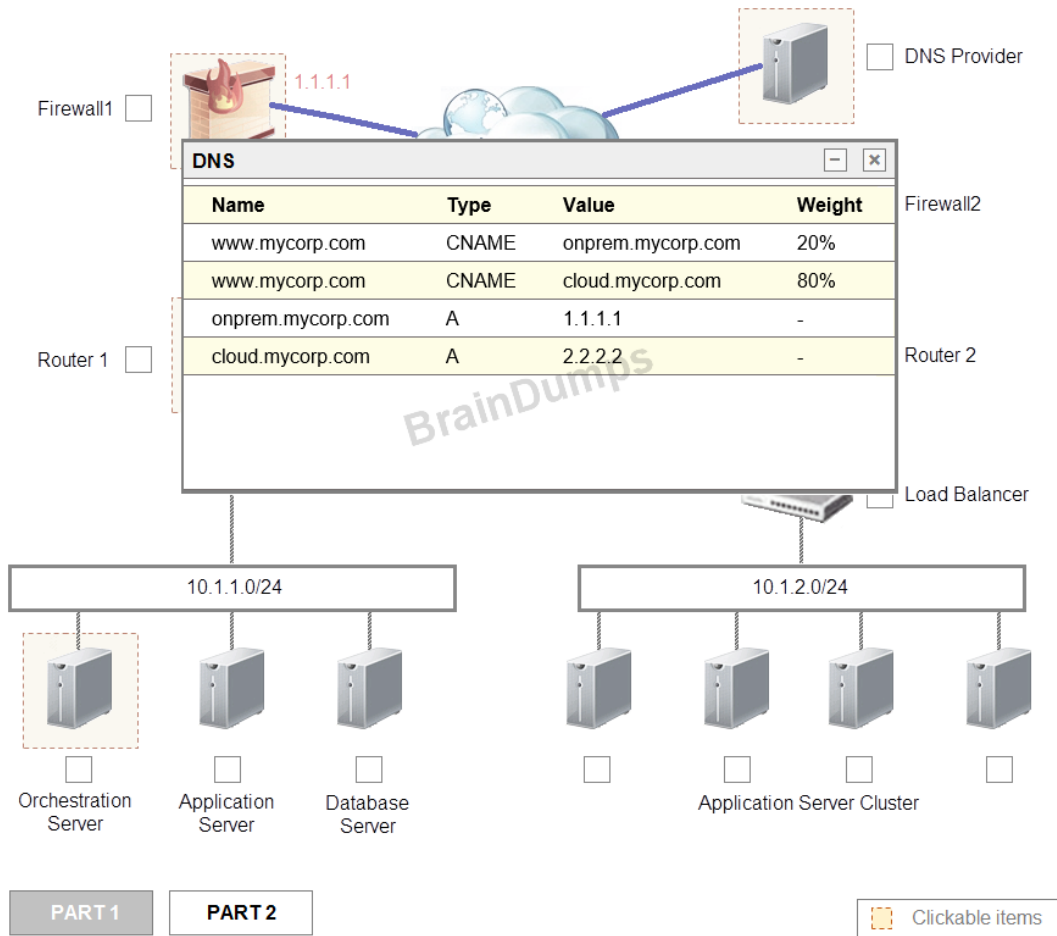
1.1.1.1

DNS Provider

Firewall1

Router1   [−] [×]

Router1 Configuration
Public IP: 1.1.1.1
Internal IP: 10.1.1.1/24
Site-to-Site VPN Configuration
Address Space: 10.1.1.0/24
Subnet: 255.255.255.0
PSK: Cloud001
IKE: SHA1/AES256/DH2/SA Lifetime: 28800

Firewall2

Router 1

Router 2

Load Balancer

10.1.1

Orchestration Server

Application Server

Database Server

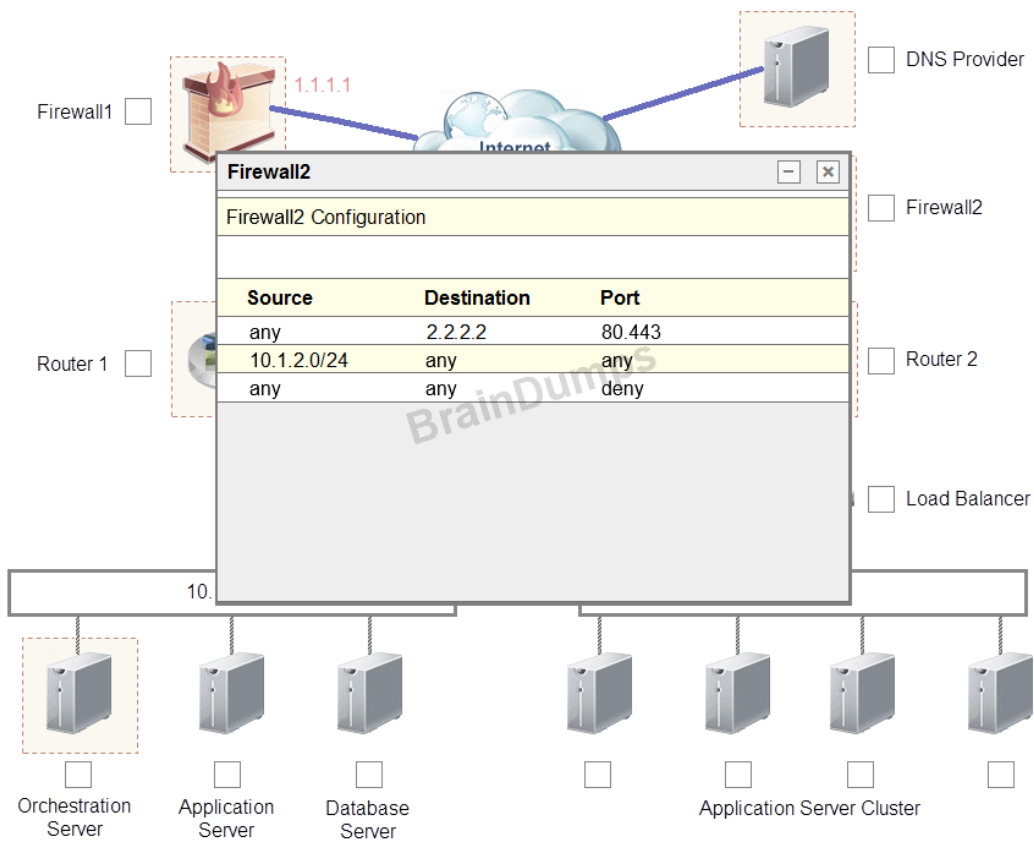Application Server Cluster

PART 1   PART 2

Clickable items

PART 1

Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2,
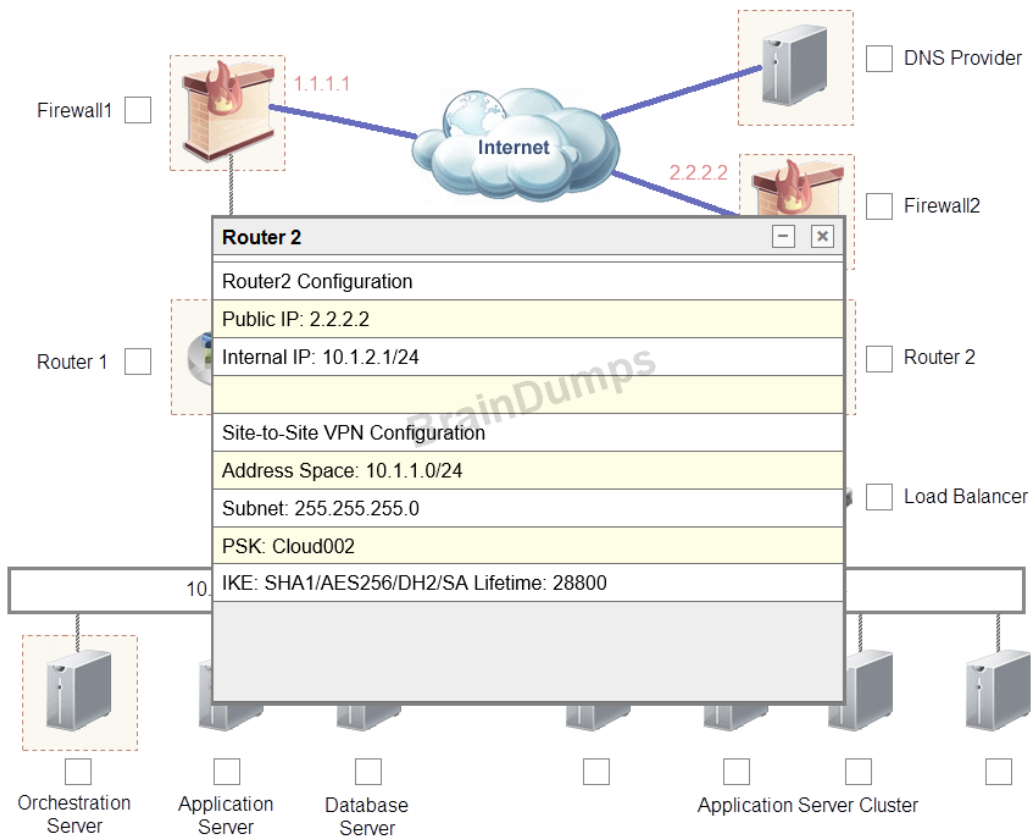Router1, Router2, VPN and Orchestration Server.

DNS Provider

Firewall1

1.1.1.1

Firewall2

DNS			
Name	**Type**	**Value**	**Weight**
www.mycorp.com	CNAME	onprem.mycorp.com	20%
www.mycorp.com	CNAME	cloud.mycorp.com	80%
onprem.mycorp.com	A	1.1.1.1	-
cloud.mycorp.com	A	2.2.2.2	-

Router 1

Router 2

Load Balancer

BrainDumps

10.1.1.0/24

10.1.2.0/24

Orchestration
Server

Application
Server

Database
Server
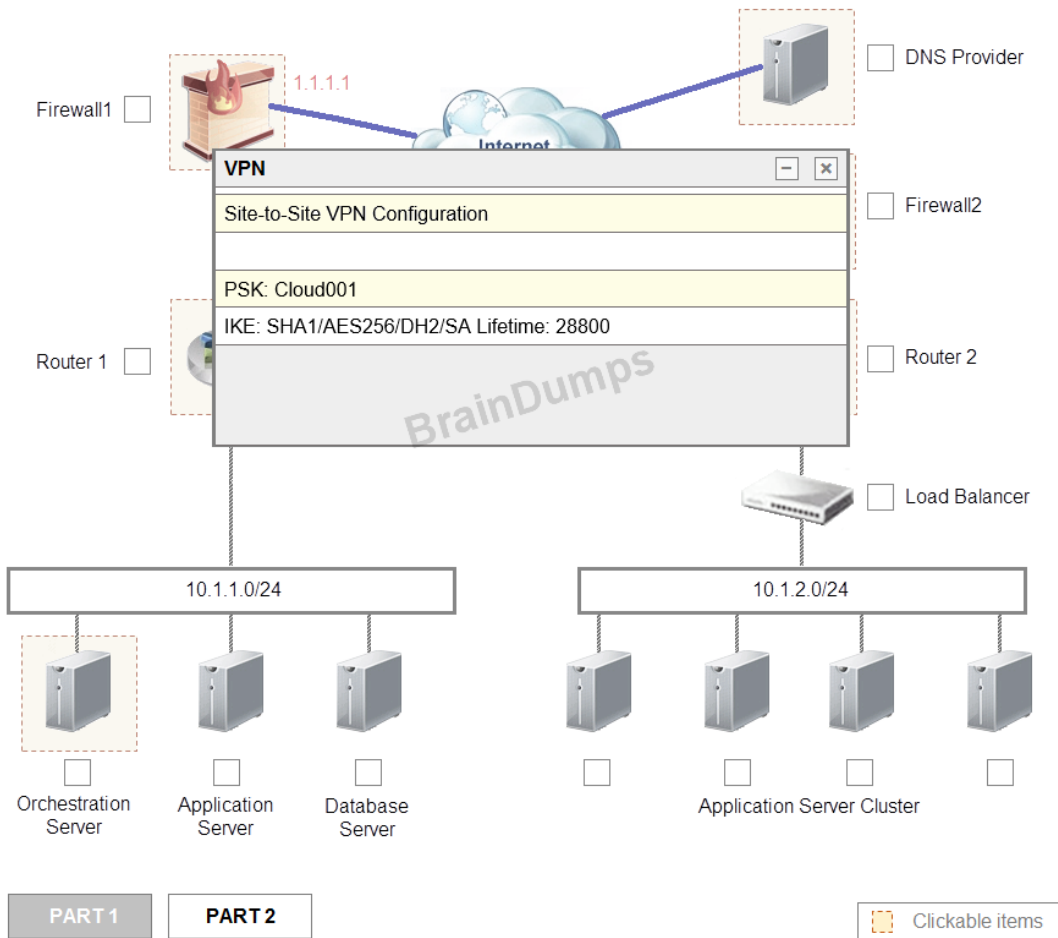
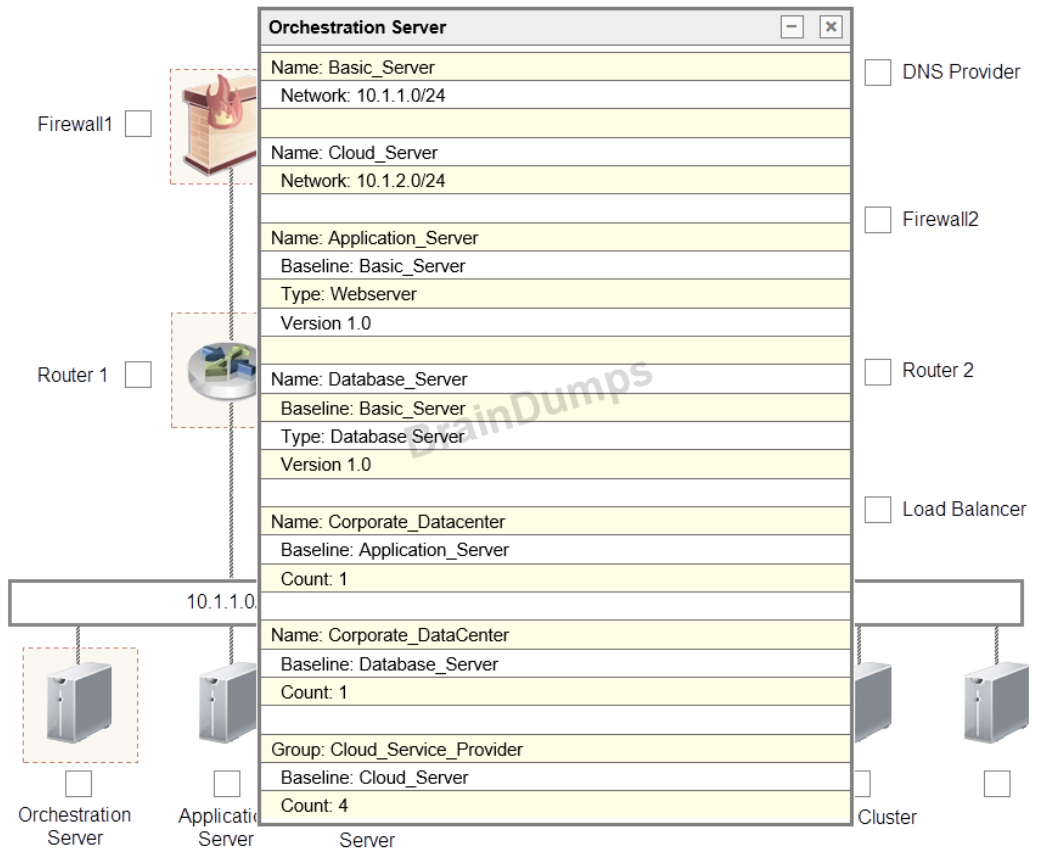Application Server Cluster

PART 1   PART 2

Clickable items

PART 1

Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestration Server.

Firewall1

1.1.1.1

Internet

DNS Provider

Firewall2 — □ ✕

Firewall2 Configuration

Source	Destination	Port
any	2.2.2.2	80.443
10.1.2.0/24	any	any
any	any	deny

Firewall2

Router 1

Router 2

Load Balancer

10.

Orchestration Server

Application Server

Database Server

Application Server Cluster

PART 1   PART 2

Clickable items

PART 1

Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestration Server.

Firewall1 ☐   1.1.1.1

Internet

DNS Provider ☐

2.2.2.2

Firewall2 ☐

Router 2   ⊟ ✕

Router2 Configuration

Public IP: 2.2.2.2

Internal IP: 10.1.2.1/24

Router 1 ☐

Router 2 ☐

Site-to-Site VPN Configuration

Address Space: 10.1.1.0/24

Subnet: 255.255.255.0

Load Balancer ☐

PSK: Cloud002

10.   IKE: SHA1/AES256/DH2/SA Lifetime: 28800

☐
Orchestration
Server

☐
Application
Server

☐
Database
Server

☐

☐

☐
Application Server Cluster

☐

PART 1	PART 2

⬚ Clickable items

PART 1

Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2,
Router1, Router2, VPN and Orchestration Server.

1.1.1.1

DNS Provider

Firewall1

Internet

VPN — □ ×

Site-to-Site VPN Configuration

Firewall2

PSK: Cloud001
IKE: SHA1/AES256/DH2/SA Lifetime: 28800

Router 1

BrainDumps

Router 2

Load Balancer

10.1.1.0/24			10.1.2.0/24

Orchestration
Server

Application
Server

Database
Server

Application Server Cluster

PART 1	PART 2

Clickable items

PART 1

Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestration Server.

Firewall1 ☐

Orchestration Server	▢ ☒
Name: Basic_Server	
Network: 10.1.1.0/24	
Name: Cloud_Server	
Network: 10.1.2.0/24	
Name: Application_Server	
Baseline: Basic_Server	
Type: Webserver	
Version 1.0	
Name: Database_Server	
Baseline: Basic_Server	
Type: Database Server	
Version 1.0	
Name: Corporate_Datacenter	
Baseline: Application_Server	
Count: 1	
Name: Corporate_DataCenter	
Baseline: Database_Server	
Count: 1	
Group: Cloud_Service_Provider	
Baseline: Cloud_Server	
Count: 4	

☐ DNS Provider

☐ Firewall2

Router 1 ☐

☐ Router 2

☐ Load Balancer

10.1.1.0.

Orchestration Server

Application Server

Server

Cluster

PART 1 | PART 2

⬚ Clickable items

Answer:
See the solution below.

Explanation:

Part 1:

Router 2 is the problem and this should be selected. If you examine the preshared key used for the VPN you will see that it is not configured with the correct key. It is using Cloud002 while router1 is using Cloud001

Part 2:

Update the PSK (Pre-shared key in Router2)

Add the Application Server at on-premises to the Load Balancer

QUESTION NO: 3 DRAG DROP

A hosted file share was infected with CryptoLocker and now root cause analysis needs to be performed. Place the tasks in the correct order according to the troubleshooting methodology.

#		
1		Establish a plan of action to resolve the problem and implement remediation
2		Establish a theory of probable cause
3		Document findings and outcomes
4		Identify the problem
5		Test the theory to determine cause
6		Verify full system functionality

Answer:

#		
1	Identify the problem	Establish a plan of action to resolve the problem and implement remediation
2	Establish a theory of probable cause	Establish a theory of probable cause
3	Test the theory to determine cause	Document findings and outcomes
4	Establish a plan of action to resolve the problem and implement remediation	Identify the problem
5	Verify full system functionality	Test the theory to determine cause
6	Document findings and outcomes	Verify full system functionality

Explanation:

#		
1	Identify the problem	Establish a plan of action to resolve the problem and implement remediation
2	Establish a theory of probable cause	Establish a theory of probable cause
3	Test the theory to determine cause	Document findings and outcomes
4	Establish a plan of action to resolve the problem and implement remediation	Identify the problem
5	Verify full system functionality	Test the theory to determine cause
6	Document findings and outcomes	Verify full system functionality

QUESTION NO: 4

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

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

QUESTION NO: 5

A company has deployed a four-node cluster in a COLO environment with server configurations listed below. The company wants to ensure there is 50% overhead for failover and redundancy. There are currently eight VMs running within the cluster with four vCPUs x32GB each. The company wants to better utilize its resources within the cluster without compromising failover and redundancy.

White Label Servers	Configuration (CPU x Memory GB)
Server 1	16x128
Server 2	16x128
Server 3	16x128
Server 4	16x128

Given the information above, which of the following should a cloud administrator do to BEST accommodate failover and redundancy requirements?

A.

Ensure hyperthreading is being utilized with physical server CPUs.

B.

Ensure dynamic resource allocation is being utilized.

C.

Overcommit memory, and the systems will allocate resources as required.

D.

Set hard limits for VM resources and turn on hyperthreading.

Answer: B
Explanation:

QUESTION NO: 6

A courier company has virtualized its packing software application. The CSA needs to confirm the deployment is utilizing the correct amount of CPU per virtual instance. After confirming the deployment requirements, the CSA should log into the cloud services portal to ensure that:

A.

the VMs with the most CPU cores available have been selected.

B.

smaller VMs are being selected to reduce the total deployment cost.

C.

the deployment is utilizing the recommended amount of CPUs per VM.

D.

the alarms on CPU utilization have been enabled.

Answer: C

Explanation:

QUESTION NO: 7

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.

Answer: C
Explanation:

QUESTION NO: 8

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.

Answer: A
Explanation:

QUESTION NO: 9

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.

Answer: C
Explanation:

QUESTION NO: 10

A cloud architect created a new delivery controller for a large VM farm to scale up according to organizational needs. The old and new delivery controllers now form a cluster. However, the new delivery controller returns an error when entering the license code. Which of the following is the

MOST likely cause?

A.

A firewall is blocking the port on the license server.

B.

The existing license is for a lower version.

C.

The existing license is not supported for clusters.

D.

The existing license has expired.

Answer: C

Explanation:

Can't be a firewall issue, or the old delivery controller would have a license error as well. Based on the information given, I would say they are not licensed for clustering.

QUESTION NO: 11

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

Answer: B

Explanation:

QUESTION NO: 12

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

Answer: C
Explanation:

QUESTION NO: 13

Several SaaS providers support identity federation for authentication. Which of the following would BEST assist in enabling federation?

A.
SAML

B.
NTLM

C.
MFA

D.
PKI

Answer: A
Reference: https://aws.amazon.com/blogs/apn/identity-federation-and-sso-for-saas-on-aws/

QUESTION NO: 14

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.

Answer: D
Explanation:

QUESTION NO: 15

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

Answer: B,D
Explanation:

QUESTION NO: 16

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.

Answer: A
Explanation:

QUESTION NO: 17

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

Answer: D
Explanation:

QUESTION NO: 18

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

Answer: D
Explanation:

QUESTION NO: 19

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

Answer: D
Explanation:

QUESTION NO: 20

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.

Answer: A
Explanation:

QUESTION NO: 21

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

Answer: C
Explanation:

QUESTION NO: 22

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

Answer: D
Explanation:

QUESTION NO: 23

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

Answer: A
Explanation:

QUESTION NO: 24

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

Answer: A
Explanation:

QUESTION NO: 25

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.

Answer: C
Explanation:

QUESTION NO: 26

A critical new security update has been released to fix an identified zero-day vulnerability with the SSH server process. Due to its severity, all development and staging servers must have this update applied immediately. Which of the following is the FASTEST way for the administrator to apply the patch and ensure all systems are configured consistently?

A.
Shut down all servers and use the server provisioning tools to deploy new ones that have the latest patch applied.

B.
Create a master inventory list of servers that must be patched. Log in to each server and deploy the patch, making sure to check off each server on the list.

C.
Use the existing tooling to clone the existing servers. Update each clone with the latest patch and shut down the original system.

D.

Update the set of configuration management scripts to include the latest patch. Execute these scripts against a master inventory of servers.

Answer: D

Explanation:

QUESTION NO: 27

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

Answer: B

Explanation:

QUESTION NO: 28

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

Answer: A
Explanation:

QUESTION NO: 29

Several suspicious emails are being reported from end users. Organizational email is hosted by a SaaS provider. Upon investigation, the URL in the email links to a phishing site where users are prompted to enter their domain credentials to reset their passwords. Which of the following should the cloud administrator do to protect potential account compromise?

A.
Forward the email to the systems team distribution list and provide the compromised user list.

B.
Click on the URL link to verify the website and enter false domain credentials.

C.
Change the encryption key for the entire organization and lock out all users from using email until the issue is remediated.

D.
Notify users who received the email to reset their passwords regardless of whether they click on the URL.

Answer: C
Explanation:

QUESTION NO: 30

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.

Answer: A
Explanation:

QUESTION NO: 31

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

Answer: D
Explanation:

QUESTION NO: 32

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.

Answer: D
Explanation:

QUESTION NO: 33

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.

Answer: B
Explanation:

QUESTION NO: 34

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

Answer: A,B
Explanation:

QUESTION NO: 35

A company's security policy requires full disk encryption on all clients with preboot enabled. The encryption server is hosted, and the requirement is to push an update to all endpoints. Which of the following is the BEST method to test and apply the update with minimal disruption to end users?

A.
Access the API of the encryption server, develop a custom script, and then update all endpoints.

B.
Access the web UI portal of the encryption server, apply the update to the test group, validate, and then update all endpoints.

C.
Add the update to the standard desktop configuration image, apply the update to a test VM, and then reimage clients.

D.
Access the web UI of the encryption server and disable preboot, apply the update, test, and then deploy the update to all endpoints.

Answer: B
Explanation:

QUESTION NO: 36

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

Answer: B
Explanation:

QUESTION NO: 37

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.

Answer: A
Explanation:

QUESTION NO: 38

A cloud administrator is provisioning several user accounts that have administrator rights to assets using JSON within an IaaS cloud platform. The administrator is required to configure "alternate" settings using the API. Given this scenario, which of the following elements would allow the administrator to meet these requirements in the JSON file?

A.

Statement

B.

Effect

C.

Resource

D.

Condition

Answer: A
Explanation:

QUESTION NO: 39

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.

Answer: A
Explanation:

QUESTION NO: 40

The CSA needs to install a patch on 58 virtual server instances during the Friday evening maintenance window. Which of the following is the MOST efficient way to get the patches installed?

A.

Use the patch management tool to automate and orchestrate the patch installation.

B.

Use a security vulnerability scanning tool to apply the patch automatically.

C.

Schedule the patch to install from a remote file server upon server reboot.

D.

Connect the server instances to the Internet to download the patch automatically.

Answer: A
Explanation:

QUESTION NO: 41

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.

Answer: A
Explanation:

QUESTION NO: 42

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

Answer: D
Explanation:

QUESTION NO: 43

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.

Answer: D
Explanation:

QUESTION NO: 44

A system's application servers need to be patched. The requirements for maintenance work are as follows:

System downtime is not allowed.

The application server in use must be in the sane patch status.

System performance must be maintained during patching work.

Testing after patching must be done before the application server is in use.

If any trouble occurs, recover the previous version in ten minutes.

Which of the following methodologies should be selected?

A.
Rolling update

B.
Patching directly

C.
Blue-green deployment

D.
Three staging environments

Answer: D
Explanation:

QUESTION NO: 45

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

Answer: D
Explanation:

QUESTION NO: 46

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.

Answer: C
Explanation:

QUESTION NO: 47

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.

Answer: A
Explanation:

QUESTION NO: 48

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

Answer: C
Explanation:

QUESTION NO: 49

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.

Answer: A
Explanation:

QUESTION NO: 50

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

Answer: A
Explanation:

QUESTION NO: 51

The InfoSec team has directed compliance database activity monitoring without agents on a hosted database server in the public IaaS. Which of the following configurations is needed to ensure this requirement is achieved?

A.
Configure the agent configuration file to log to the syslog server.

B.
Configure sniffing mode on database traffic.

C.
Implement built-in database tracking functionality.

D.
Implement database encryption and secure copy to the NAS.

Answer: B
Explanation:

QUESTION NO: 52

Ann. a user, has tried to connect to a VM hosted in a private cloud using her directory services credentials. After three attempts, she realizes the keyboard was set to German instead of English, and she was typing "z" instead of "y". After fixing this issue, Ann is still unable to log in; however, other users can access the VM. Which of the following is the MOST likely cause?

A.
The default language on Ann's computer is German.

B.
The account was locked.

C.

Directory services are offline.

D.

There is an account mismatch.

E.

The account localization settings are incorrect.

Answer: E
Explanation:

QUESTION NO: 53

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

Answer: B,E
Explanation:

QUESTION NO: 54

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

Answer: C
Explanation:

QUESTION NO: 55

A cloud administrator is required to implement a solution to handle data-at-rest encryption requirements for a database. Which of the following would BEST satisfy the requirements?

A.
Install an SSL certificate and only allow secure connections to the server.

B.
Enable two-factor authentication on connections to the database server and log activities.

C.

Activate memory encryption on the virtual server and store the certificates remotely.

D.

Create a virtual encrypted disk, add it to the virtual server, and have the database write to it.

Answer: D
Explanation:

The question talks about data at rest. The only option given that offers a solution for data at rest is to encrypt the disk that the database writes to.

QUESTION NO: 56

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.

Answer: A,D

Explanation:

QUESTION NO: 57

In an IaaS model, to which of the following methodologies would the client apply a list of OS patches, assuming approval from CAB has been given?

A.
Using a patch management system, identify the hypervisor type, select a group of hypervisors to be patched, and perform a rolling application of patches.

B.
Using a patch management system, identify the guests that require patching, and select and apply the patches.

C.
Using a patch management system, identify the applications needing the patch, select the required application in a patch management console, and apply the patches.

D.
Using a patch management system, identify the services that require patching, and select and apply the patches.

Answer: B
Explanation:

In an IaaS model, the client typically wouldn't be managing the hypervisors themselves. They would manage the guests on top of the hypervisors. If you are deploying OS patches, you would be patching guest operating systems.

QUESTION NO: 58

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.

Answer: D
Explanation:

QUESTION NO: 59

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.

Answer: B
Explanation:

QUESTION NO: 60

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.

Answer: A,C

Explanation:

QUESTION NO: 61

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

Answer: A

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

QUESTION NO: 62

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

Answer: C
Explanation:

QUESTION NO: 63

A private cloud customer is considering using the public cloud to accommodate the peak utilization workload. Which of the following would be considered the ideal scaling solution?

A.
Cloud bursting

B.
Load balancing

C.
Horizontal scaling

D.
Vertical scaling

Answer: A
Reference: https://searchcloudcomputing.techtarget.com/definition/cloud-bursting

QUESTION NO: 64

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.

Answer: A
Explanation:

QUESTION NO: 65

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

Answer: C
Explanation:

QUESTION NO: 66

A small clinic is moving its health and accounting systems to a SaaS solution. The clinic holds patient- and business-sensitive information. Which of the following is the company expected to do to protect its data?

A.
Document, configure, and enforce strong account management policies.

B.
Disable and document unneeded ports and protocols on the SaaS servers.

C.
Install antivirus and disable unneeded services on all SaaS servers.

D.
Harden the underlying infrastructure: servers, firewalls, and load balancers.

Answer: B
Explanation:

QUESTION NO: 67

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

Answer: D

Explanation:

QUESTION NO: 68

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

Answer: B

Explanation:

QUESTION NO: 69

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.

Answer: A
Explanation:

QUESTION NO: 70

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.

Answer: B
Explanation:

QUESTION NO: 71

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.

Answer: C
Explanation:

QUESTION NO: 72

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.

Answer: B
Explanation:

QUESTION NO: 73

A cloud administrator is adding several accounts for new development team interns. These interns will need access to some, but not all, of the resources and will only be working over the summer. Which of the following user provisioning techniques should be used?

A.

Create a single account for the interns to share. Set the expiration date for the account to six months.

B.

Create a role labeled "interns" with the appropriate permissions. Create a separate account with an expiration date for each intern and add each intern to that role.

C.

Create one template user account with the appropriate permissions and use it to clone the other accounts. Set an expiration date for each account individually.

D.

Create individual accounts for each intern, set the permissions and expiration date for each account, and link them to a temporary guests user group.

Answer: C
Explanation:

QUESTION NO: 74

After deploying new VMs, the systems administrator notices it is not possible to connect to them using network credentials; however, local accounts work. After logging in, the administrator notices the NTP servers are not set. Which of the following is MOST likely causing this issue?

A.
Directory services requires the use of NTP servers.

B.
The VMs are insufficiently licensed.

C.
There is a directory services outage.

D.
There is a time synchronization issue.

Answer: D
Explanation:

QUESTION NO: 75

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.

Answer: B
Explanation:

QUESTION NO: 76

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

Answer: A

Explanation:

QUESTION NO: 77

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

Answer: D

Explanation:

QUESTION NO: 78

Email users report that it takes more than one minute to open emails, including those without attachments. There are three email instances in three different regions hosted by the same CSP. Other applications hosted by the same CSP have no reported issues. Which of the following solutions BEST resolves the issue?

A.

Confirm that the email instances have sufficient bandwidth.

B.
Install monitoring software on the email instances.

C.
Check the antivirus software settings and disable real-time message scanning.

D.
Ensure the requested IOPS are being provided to the email instances.

Answer: C
Explanation:

QUESTION NO: 79

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

Answer: D
Explanation:

QUESTION NO: 80

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.

Answer: D

Explanation:

QUESTION NO: 81

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

Answer: D

Explanation:

QUESTION NO: 82

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

Answer: B
Explanation:

QUESTION NO: 83

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.

Answer: C

Explanation:

QUESTION NO: 84

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

Answer: A
Explanation:

QUESTION NO: 85

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

Answer: B
Explanation:

QUESTION NO: 86

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

Answer: A,C,D
Explanation:

QUESTION NO: 87

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

Answer: B
Explanation:

QUESTION NO: 88

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.

Answer: C
Explanation:

QUESTION NO: 89

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

Answer: B

Explanation:

QUESTION NO: 90

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.

Answer: D
Explanation:

QUESTION NO: 91

A cloud deployment engineer is modifying versions of the existing template image to instantiate new VMs. The engineer accomplishes this through the cloud self-service portal. After the version is changed and a new VM is successfully started, it does not have any connectivity, and all ping tests to other VMs fail. Which of the following would be the BEST approach to solve the problem?

A.
Start the console session to the VM; check network static routes; test the ping to default gateway and next hop; and reconfigure the gateway IP.

B.
Delete the VM; create a new flavor; turn on network service; add the new image to the template manager; and reinstantiate the VM using this new image.

C.

Delete the VM; check the IP assignment and planning; modify configuration in the deployment template; and instantiate the VM again using the new template.

D.
Assign new IPs to the newly created VMs by changing and running the deployment template; and check the connectivity on the cloud self-service portal afterward.

Answer: D
Explanation:

QUESTION NO: 92

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

Answer: A
Explanation:

QUESTION NO: 93

After monthly patching, a large number of users who are logged onto the network report that application links from a company's intranet site, which previously opened directly into the website, are now prompting for logon information. Application administrators confirm that the websites in question are working properly. Which of the following is the MOST likely cause of the new behavior?

A.
SSO issues

B.
Password expiration

C.
Account lockout

D.
Certificate expiration

Answer: A
Explanation:

QUESTION NO: 94

A cloud administrator is analyzing usage trends for a website housed within an IaaS cloud platform. The administrator notices that traffic and visitors to the site quadrupled from the normal baseline during the holiday season. The environment has a load balancer that uses standardized VMs to host the applications. Given this scenario, which of the following would be the MOST efficient, provide no downtime, and address the temporary spike in traffic?

A.
Implement an upward vertical scaling solution.

B.
Implement a downward vertical scaling solution.

C.
Implement an inward horizontal scaling solution.

D.
Implement an outward horizontal scaling solution.

Answer: A
Explanation:

QUESTION NO: 95

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.

Answer: D
Explanation:

QUESTION NO: 96

A cloud service administrator is consuming PaaS services and is performing baseline configuration tests. Which of the following is part of the PaaS consumer's responsibility with respect to the baseline confirmation tests?

A.
Application versions

B.
CPU utilization

C.
RAM utilization

D.
Operating system versions

Answer: B
Explanation:

QUESTION NO: 97

An engineer is configuring the monitoring for a new application server. During the day, the CPU on the server is baselined at approximately 30% utilization. At midnight, a batch job is scheduled to run that will drive the CPU utilization up to 75% for approximately an hour. Any time the CPU utilization is at 40% or higher for longer than ten minutes, administrators will receive an alert. Which of the following is the BEST method to ensure administrators do not experience message fatigue due to false alerts?

A.

Set a different threshold during the batch peak time.

B.

Increase the alert time threshold to 65 minutes.

C.

Increase the alert utilization threshold to 80%.

D.

Manually disable monitoring during the batch job.

Answer: A
Explanation:

QUESTION NO: 98

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

Answer: A
Explanation:

QUESTION NO: 99

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

Answer: B,D
Explanation:

QUESTION NO: 100

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.

Answer: B

Explanation:

QUESTION NO: 101

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

Answer: B

Explanation:

QUESTION NO: 102

A user has submitted a ticket to request additional VMs due to long wait times for online ordering.

Given the snapshot of the resources in the table below:

Component	Resource	Utilization
Web Server	vCPU	35%
	Memory	85%
	Disk	30%
	Network	75%
Database Server	vCPU	40%
	Memory	60%
	Disk	65%
	Network	14%

Which of the following is the BEST option for the administrator to resolve the ticket?

A.
Add vCPU to the database server to increase capacity.

B.
Add disks to the database server to increase capacity.

C.
Add virtual network ports to the web server to increase capacity.

D.
Add memory to the web server to increase capacity.

Answer: D
Explanation:

QUESTION NO: 103

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.

Answer: A
Explanation:

QUESTION NO: 104

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.

Answer: D
Explanation:

QUESTION NO: 105

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.

Answer: B
Explanation:

QUESTION NO: 106

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

Answer: B
Explanation:

QUESTION NO: 107

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

User account management has become challenging.

User account compromises have increased.

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

Answer: B,D,E
Explanation:

QUESTION NO: 108

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

Answer: C
Explanation:

QUESTION NO: 109

A company is deploying a new instant messaging app to allow for communications with external vendors. Each entity will host its own version of the application, but users must be able to talk between the companies. Which of the following security techniques would MOST likely be used to allow this to happen?

A.
User synchronization

B.
Password synchronization

C.
Public federation

D.
Multifactor authentication

Answer: D
Explanation:

QUESTION NO: 110

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

Answer: B
Explanation:

QUESTION NO: 111

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.

Answer: A
Explanation:

QUESTION NO: 112

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.

Answer: B
Explanation:

QUESTION NO: 113

A software company recently moved all of its development testing to a public cloud environment. The company primarily uses IaaS to deploy and test its code. The company needs the software developers to be more agile and efficient when testing application code. Which of the following backup types should the developers use to BEST ensure the speedy recovery of a system if it is damaged?

A.
Snapshots

B.
Full

C.
Incremental

D.
Differential

Answer: C

Explanation:

QUESTION NO: 114

A cloud administrator works for an online gaming company that is hosting its multiplayer servers in a public IaaS cloud. The following metrics are reported during a controlled beta test:

RAM usage80%

Bandwidth usage50%

Average ping800ms

The beta test shows poor performance for gamers. Which of the following should the cloud administrator implement FIRST to improve the gamers' experience?

A.
Scale the deployment of multiplayer servers by doubling the number of VMs.

B.
Increase network bandwidth on the multiplayer servers.

C.
Increase the RAM on the multiplayer servers.

D.
Deploy multiplayer servers in public cloud locations closer to the user base.

Answer: B
Explanation:

QUESTION NO: 115

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

Answer: C
Explanation:

QUESTION NO: 116

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.

Answer: D
Explanation:

QUESTION NO: 117

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.

Answer: D
Explanation:

QUESTION NO: 118

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

Answer: B
Explanation:

QUESTION NO: 119

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

Answer: A
Explanation:

QUESTION NO: 120

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.

Answer: B
Explanation:

QUESTION NO: 121

A company is migrating some of its consumer-facing services to a cloud provider. The company has been getting more customers since its competitors have gone bankrupt. Which of the following actions would BEST meet the company's increased resource needs?

A.
Increase the company's network bandwidth to 10Gbps.

B.
Install additional load balancers.

C.
Deploy additional web servers to the cloud.

D.
Deploy a local database within the company's datacenter.

Answer: B
Explanation:

QUESTION NO: 122

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

Answer: C
Explanation:

QUESTION NO: 123

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

Answer: B
Explanation:

QUESTION NO: 124

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.

Answer: D
Explanation:

QUESTION NO: 125

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.

Answer: C

Explanation:

QUESTION NO: 126

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

Answer: A
Explanation:

QUESTION NO: 127

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.

Answer: D
Explanation:

QUESTION NO: 128

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

Answer: A
Explanation:

QUESTION NO: 129

A Type 1 hypervisor has the following specifications:

RAM128GB

CPU4 socket quad-core

Storage16TB

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

Answer: A
Explanation:

QUESTION NO: 130

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

Answer: A
Explanation:

QUESTION NO: 131

An application server, which uses a SaaS fax provider, is determined to cost too much money. An upgrade to the application allows for use of a physical fax card so the company only has to pay for a phone line. This is a production application; therefore, downtime must be minimized. Which of the following types of migration is MOST efficient in facilitating this application upgrade?

A.
Virtual-to-physical migration

B.
Storage migration

C.
Cloud migration

D.
Offline migration

Answer: A
Explanation:

QUESTION NO: 132

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

Answer: A
Explanation:

QUESTION NO: 133

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

Answer: A
Explanation:

QUESTION NO: 134

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

Answer: A
Explanation:

QUESTION NO: 135

A company wants to implement a public IaaS solution but also wants to address site resiliency challenges. When selecting an IaaS provider, which of the following should a cloud technician look for within the provider's capabilities to meet the requirements?

A.
Bare metal service

B.
Failure zones

C.
Backup services

D.
Dedicated connectivity

Answer: D
Explanation:

QUESTION NO: 136

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

Answer: C
Explanation:

QUESTION NO: 137

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

Answer: D
Explanation:

QUESTION NO: 138

A tenant has provisioned a new database server. It needs to add the database files in the exclusion list for security scanning, as it allows down the performance and locks the database file. Which of the following solutions must have this exclusion?

A.
IPS

B.
IDS

C.
Antivirus

D.
Firewall

Answer: C
Explanation:

QUESTION NO: 139

Ann, a technician, is using a saved workflow to deploy virtual servers. The script worked yesterday but is now returning an authentication error. Ann confirms that she can manually log in with her own account and create a virtual server. Which of the following is MOST likely causing the error?

A.
Certificate misconfiguration

B.
Account expiration

C.
Federation issues

D.
Encryption issues

Answer: C
Explanation:

QUESTION NO: 140

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

Answer: B
Explanation:

QUESTION NO: 141

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

Answer: B

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

QUESTION NO: 142

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

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

QUESTION NO: 143

A company recently decided to move some of its servers to a public cloud. The engineer has been invited to attend requirement sessions for moving servers to the cloud. The engineer is tasked with ensuring the servers that are being moved to the cloud are still in compliance, as they were on-premises.

Which of the following should the engineer request during the requirement sessions?

A.
Syslog server

B.
Administrator access to the cloud service

C.
Configuration management tool

D.
Orchestration tool

Answer: C
Explanation:

QUESTION NO: 144

Following is a sample result from a recently completed load test.

Type	Capacity	Utilization
CPU	2	25%
Memory	4GB	20%
Storage	2TB	65%

Based on the information provided, which of the following would be the BEST recommendation?

A.
Use the test result as a benchmark and document it.

B.
Downsize the CPU and memory assignment.

C.
Decrease assigned storage capacity.

D.
Implement storage compression.

Answer: D
Explanation:

QUESTION NO: 145

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

Answer: D

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

QUESTION NO: 146

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.

Answer: D
Explanation:

QUESTION NO: 147

A company wants to deploy new compute resources efficiently through automation.

Which of the following is a key success factor to achieve automation?

A.
Deploy virtualized resources to the cloud.

B.
Ensure surplus compute resources are available.

C.
Move security testing to the end of the process.

D.
Establish and document standard changes.

Answer: D
Explanation:

QUESTION NO: 148

A cloud administrator is given a requirement to maintain a copy of all system logs for seven years. All servers are deployed in a public cloud provider's environment.

Which of the following is the MOST cost-efficient solution for retaining these logs?

A.
Create a long-term storage repository at the cloud provider. Have all logs copied to the cloud storage device.

B.
Schedule a nightly job on each server to archive all logs. Copy them to a compressed drive on the server.

C.
Configure SMTP services on each server and schedule a nightly job to email the logs to the cloud administrator team's email account.

D.
Configure a nightly job on each server to copy all logs to a single server. Schedule a job on the server to archive those logs into a compressed drive.

Answer: B
Explanation:

QUESTION NO: 149

A cloud administrator is load balancing six VMs on an IaaS cloud service. The organization has an SLA stating the application should be available 99.999% of the time. At present, the six VMs are handling the load from one region and three availability zones. System baselines have confirmed there must be at least six VMs to handle this load.

Given this scenario, which of the following should the administrator recommend to BEST meet these requirements?

A.
Implement and procure three VMs and spread them across three availability zones.

B.
Implement and procure six VMs and add them to the three existing availability zones.

C.
Implement and procure another region and set up three VMs across three availability zones.

D.
Implement and procure another region and set up six VMs across three availability zones.

Answer: B
Explanation:

QUESTION NO: 150

A company needs to meet the security requirements for PII. Which of the following cloud service models allows the company to have the MOST control to meet the security requirements?

A.
SaaS

B.
IaaS

C.

PaaS

D.

XaaS

Answer: B

Reference: https://www.omg.org/cloud/deliverables/CSCC-Cloud-Security-Standards-What-to-Expect-and-What-to-Negotiate.pdf

QUESTION NO: 151

At 2:00 a.m each day, the database team runs a batch job to import the sales data for the day, index it, and generate sales reports for the next day. The team has informed the cloud administrator that sales data is expected to increase in the next month and will take longer to complete. The current environment uses several batch servers that process chunks of data individually.

Which of the following is the BEST approach for the cloud administrator to take to handle the increased load?

A.

Reschedule the nightly batch job to start at midnight to allow for more processing time.

B.

Configure an auto-scaling group for the existing batch processing servers.

C.

Manually add more batch processing servers to the cloud environment.

D.

Increase the CPU and memory resources to the existing batch processing servers.

Answer: D
Explanation:

QUESTION NO: 152

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

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

QUESTION NO: 153

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.

Answer: C
Explanation:

QUESTION NO: 154

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

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

QUESTION NO: 155

A cloud administrator has to migrate from an on-premises to a public cloud. The administrator has

20 physical servers and 600 virtual instances to migrate within a month.

Which of the following should the administrator analyze?

A.
The maintenance window, network bandwidth, and virtual instances sizes.

B.
The virtual instances sizes, archive repository size, and maintenance window.

C.
The network bandwidth, systems restore point, and virtual instances sizes.

D.
The backup window, network bandwidth, and virtual instances sizes.

Answer: A
Explanation:

QUESTION NO: 156

An entertainment company with a very large movie library is moving all of its production systems to an IaaS cloud. The current lease is expiring in the next month, and the company made a last-minute decision not to renew the lease.

Which of the following would be the MOST effective way to move all the data to the new cloud provider?

A.
Perform an offline storage migration.

B.
Perform an online storage migration.

C.
Perform an offline VM migration.

D.
Perform an online VM migration.

Answer: B
Reference: https://www.fujitsu.com/global/products/computing/storage/disk/eternus-

dx/feature/storage-migration.html

QUESTION NO: 157

A company has implemented a dual-region (Region 1 and Region 2) cloud strategy from its current CSP. Both regions have the same data in them. Region 2 is experiencing an outage.

Which of the following is the BEST way to provide service to users in Region 2 during the outage while allowing access to the data?

A.
Bring the backup instances online and provide Region 2 users access to their data.

B.
Add more network bandwidth to Region 2.

C.
Copy Region 1 data to a location in Region 3 and have users access their data.

D.
Redirect users from Region 2 to Region 1.

Answer: D
Explanation:

QUESTION NO: 158

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

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

QUESTION NO: 159

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.

Answer: A
Explanation:

QUESTION NO: 160

A pharmaceutical company is migrating its systems and infrastructure to the cloud. Due to security restrictions and regulatory policies, the company Chief Executive Officer (CEO) is concerned about moving this information to the cloud.

Based on the CEO's concern, which of the following should the company do First?

A.

Review compliance requirements.

B.

Apply defined audit/compliance requirements.

C.

Review company security policies.

D.

Update the security tools to systems and services.

Answer: A
Explanation:

QUESTION NO: 161

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.

Answer: D
Explanation:

QUESTION NO: 162

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.

Answer: D
Explanation:

QUESTION NO: 163

A company requires all system logs to be saved for a minimum 30 days. However, many employees are reporting storage near capacity alerts. A cloud administrator is trying to fix and prevent this issue from happening again.

Which of the following is the BEST option?

A.
Automate log deletion for logs older than 30 days. This job should run every day to clean up.

B.
Automate archiving of the logs older than 30 days, and create a scheduled job to clean up daily logs older than 30 days

C.
Automate migration of the log archiving storage to offline backup, and create a job to check and delete logs every 30 days.

D.
Automate the clearing of the logs older than 30 days, and add more capacity to the log file storage.

Answer: A

Explanation:

QUESTION NO: 164

An administrator is implementing a new SaaS application. The administrator has been directed to enhance the user authentication experience.

Which of the following technologies BEST meets this requirement?

A.
Federation Services

B.
Multifactor authentication

C.
Biometric authentication

D.
Directory services

Answer: B
Reference: https://searchsecurity.techtarget.com/definition/two-factor-authentication

QUESTION NO: 165

A cloud systems administrator manually archives security logs. Every time the administrator goes on vacation, users are unable to browse company websites.

Which of the following is the BEST way to resolve this issue?

A.
Automate the retention policies.

B.
Automate the removal of inactive accounts.

C.

Automate the removal of orphaned resources.

D.

Automate the addition of web servers.

Answer: A

Explanation:

QUESTION NO: 166

There has been a change in requirements for two countries where PCI virtual instances exist. As such three virtual instances need to be added in both countries' PCI environments, and two instances need to be removed.

Which of the following is the BEST way to ensure compliance is met in those two countries?

A.

By the effective date of the new requirement, in each country, remove the two out-of-compliance virtual instances.

B.

By the effective date of the new requirement, in each country, implement the three new virtual instances.

C.

By the effective date of the new requirement, in each country implement the three new virtual instances. After a month of testing remove the two out-of-compliance virtual instances.

D.

By the effective date of the new requirement, in each country, remove the two out-of-compliance virtual instances and implement the three new virtual instances.

Answer: A

Explanation:

QUESTION NO: 167

While reviewing the auto-scaling events for a web application, a cloud engineer identified that the

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application upsized and downsized multiple times within the last hour.

Which of the following should the cloud engineer do NEXT?

A.

Add more systems into the scaling group.

B.

Review the load balancer configuration settings.

C.

Review auto-scaling policies to detect a misconfiguration.

D.

Monitor auto-scaling events for the next 24 hours.

Answer: C
Explanation:

QUESTION NO: 168

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

Answer: D
Explanation:

QUESTION NO: 169

A cloud application development team needs to consider the following requirements to the built in as part of the application's authentication process:

- Customers should have the flexibility to use their own identity stores within the authentication process.

- Customers should not be asked to provide the credentials repeatedly for different applications with different permission sets.

Which of the following solutions would BEST help the team achieve the above business objectives? (Choose two.)

A.
Certificates

B.
Single sign-on

C.
One-time passwords

D.
Federation

E.
Multifactor authentication

F.
Hardware tokens

Answer: A,B
Explanation:

QUESTION NO: 170

To enhance availability, a company has expanded its public cloud presence to multiple regions from a single CSP. The company wants to ensure resources in the public cloud are highly available to users at company headquarters.

Which of the following is the BEST solution to fulfill this requirement?

A.
Dual direct peering/connections from headquarters to one cloud region.

B.
Dual VPN connections over a single ISP from headquarters to one cloud region.

C.
Dual VPN connections over two separate ISPs from headquarters to both cloud regions.

D.
Dual direct peering/connections over a single ISP from headquarters to both cloud regions

Answer: A
Explanation:

QUESTION NO: 171

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.

Answer: A
Explanation:

QUESTION NO: 172

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

Answer: D
Explanation:

QUESTION NO: 173

A cloud-based web proxy is blocking key sites that a business requires for operation. After validation, the sites are legitimate, and access is required for end users to complete their work.

Which of the following is the BEST solution to allow access to the sites?

A.
Instruct users to bypass the cloud-based web proxy.

B.

Whitelist the URLs.

C.

Blacklist the URLs.

D.

Create a security group for those users and enforce MFA.

Answer: B
Explanation:

QUESTION NO: 174

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.

Answer: C
Reference:
https://books.google.com.pk/books?id=2kyQDwAAQBAJ&pg=PA1494&lpg=PA1494&dq=identify+t
he+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=ACfU3U3jRJ7JGB5HyIv2cH6Y
ra3UmkYq1g&hl=en&sa=X&ved=2ahUKEwjKubLz59voAhVwzjgGHcI2A6gQ6AEwC3oECAwQKQ
#v=onepage&q=identify%20the%20problem.%20B.%20Establish%20a%20theory.%20C.%20Verif

y%20full%20system%20functionality.%20D.%20Test%20the%20theory.%20E.%20Establish%20a
%20plan%20of%20action.&f=false

QUESTION NO: 175

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

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

QUESTION NO: 176

Upon discovery several SaaS applications are being utilized by users, and the InfoSec team needs to update a configuration file on all client machines.

Which of the following file types is used to redirect users through a web proxy?

A.
.dat

B.
.tmp

C.
.log

D.
.pac

Answer: D
Reference:
https://www.websense.com/content/support/library/web/hosted/getting_started/deploy_method.aspx

QUESTION NO: 177

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.

Answer: B
Explanation:

QUESTION NO: 178

Based on demand, an IaaS provider wants to deploy a security application for its customers.

Which of the following is the BEST technique for the IaaS provider to apply this to target systems?

A.
Vendor application

B.
Scripting

C.
Orchestration

D.
Custom programming

Answer: C
Explanation:

QUESTION NO: 179

A company is using storage-as-a-service from an IaaS provider for application services. The company has a mandate to protect personal information being stored on the cloud. The service provided includes encryption for in-transit data and requires a security solution for data-at-rest.

Which of the following should be deployed to secure the personal information?

A.
Implement data tokenization.

B.
Implement hardware-based encryption.

C.
Implement centralized key management.

D.
Implement database-embedded encryption.

Answer: C
Reference: https://info.townsendsecurity.com/definitive-guide-to-encryption-key-management-fundamentals

QUESTION NO: 180

Asynchronous data replication for a SaaS application occurs between Regions A and B. Users in Region A are reporting that the most current data for an insurance claims application is not available to them until after 11:30 a.m. The cloud administrator for this SaaS provider checks the network utilization and finds that only about 10% of the network bandwidth is being used.

Which of the following describes how the cloud administrator could BEST resolve this issue?

A.
Check the storage utilization logs in both regions.

B.
Check the RAM utilization logs in both regions.

C.
Check the CPU utilization logs in both regions.

D.
Check the storage commit logs in both regions.

Answer: D
Explanation:

QUESTION NO: 181

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.

Answer: D
Explanation:

QUESTION NO: 182

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.

Answer: C
Explanation:

QUESTION NO: 183

A cloud administrator has deployed a new web application to a private cloud. The application platform consists of two web servers that communicate to a redundant database back end. The traffic to the web servers is directed by a load balancer appliance. The administrator connects to the website on each of the webservers individually and confirms they are able to log in.

Which of the following aspects of the application has the administrator tested successfully?

A.

Connectivity

B.

Failover

C.

Data Integrity

D.

Performance

Answer: A
Explanation:

QUESTION NO: 184

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

Answer: A
Reference: https://searchcloudcomputing.techtarget.com/definition/private-cloud

QUESTION NO: 185

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

Answer: D
Reference: https://www.techopedia.com/definition/26559/community-cloud

QUESTION NO: 186

It is taking an unusually long time for a financial division to run monthly reports on its SaaS-based, multitenant application. The cloud provider has grown exponentially, and more financial industry clients have moved their processing to the SaaS provider.

Which of the following is the MOST probable cause of the issue?

A.
The SSL certificate used by the SaaS provider has expired and is no longer valid.

B.
Some of the new tenants are not from the financial industry and are causing data integrity issues.

C.
The CSP did not keep up with the growth and the appropriate supporting infrastructure.

D.
The licensing limit has been exceeded on the SaaS-based, multitenant application server.

Answer: D

Explanation:

QUESTION NO: 187

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

Answer: A
Explanation:

QUESTION NO: 188

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.

Answer: B
Explanation:

QUESTION NO: 189

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

Answer: A
Explanation:

QUESTION NO: 190

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

Answer: A
Explanation:

QUESTION NO: 191

Joe, a developer, has a virtualization environment consisting of four hosts. Joe needs to configure the environment to be able to place new VMs automatically to the recommended host with more resources.

Which of the following must be enabled on the environment to achieve this?

A.
Dynamic power control

B.
Workload scheduling

C.
High Availability

D.
Load balancing

Answer: B
Explanation:

QUESTION NO: 192

A rural manufacturing company wants to move all IT services, including the industrial control

systems, to the cloud.

Given this scenario, which of the following cloud services elements would be a challenge to the deployment?

A.
Computing capacity flexibility

B.
Industrial control system security

C.
Integrated service digital network

D.
Network broadband access

Answer: B
Explanation:

QUESTION NO: 193

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.

Answer: A
Explanation:

QUESTION NO: 194

A cloud engineer received a support call indicating web apps running on an IaaS server are unavailable. The engineer took the following trouble-shooting steps:

- Hypothesized the server outage is considered to be the cause of the problem.

- Performed rollback of applied patches.

- Ensured all web apps are running correctly.

- Documented the incident.

Which of the following troubleshooting methodology steps did the cloud engineer overlook?

A.
Establish the theory of probable cause.

B.
Establish a plan of action and implement the solution.

C.
Test the theory to determine the cause.

D.
Verify system functionality.

Answer: C
Explanation:

QUESTION NO: 195

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.

Answer: C
Explanation:

QUESTION NO: 196

A VM was successfully tested in a lab environment. As part of the deployment preparation, the image needs to be backed up for use in the multi-rollout accompanied by orchestration templates.

Which of the following should be used to create the image?

A.
Snapshot

B.
Replica

C.
Full

D.
Clone

Answer: C
Explanation:

QUESTION NO: 197

A company has a private cloud NAC solution in place to prevent unauthorized/non-company

assets from connecting to the internal network. A cloud systems administrator cannot add a new physical server to the existing functioning cluster.

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

A.

Server objects were deleted.

B.

The DNS and DHCP servers are down.

C.

The new physical server has a faulty NIC.

D.

Server MAC addresses are not being updated.

Answer: A
Explanation:

QUESTION NO: 198

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.

Answer: D

Explanation:

QUESTION NO: 199

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.

Answer: D
Explanation:

QUESTION NO: 200

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.

Answer: D

Explanation:

QUESTION NO: 201

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

Answer: C

Explanation:

QUESTION NO: 202

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

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

QUESTION NO: 203

A customer has indicated that bi-weekly full backups are taking too long to complete.

Which of the following would be the BEST action if minimizing restore time is very important to the customer?

A.
Change the backup to synthetic full backups.

B.
Change the second full backup in a week to incremental.

C.
Change the second full backup in a week to differential.

D.
Change the schedule of full backups to start earlier.

Answer: B
Explanation:

QUESTION NO: 204

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.

Answer: C
Explanation:

QUESTION NO: 205 DRAG DROP

Drag and drop each Disaster Recovery Solution need to the corresponding SLA requirement. Options may be used once or not at all.

RPO	RTO	DR Solution
1 hour	1 hour	
6 hours	4 hours	
6 hours	12 hours	
6 hours	48 hours	

Hot site	Warm site
Active failover site	Cold site

Answer:

RPO	RTO	DR Solution
1 hour	1 hour	Active failover site
6 hours	4 hours	Hot site
6 hours	12 hours	Warm site
6 hours	48 hours	Cold site

Hot site	Warm site
Active failover site	Cold site

Explanation:

Active failover site

Hot site

Warm site

Cold site

QUESTION NO: 206 CORRECT TEXT

The QA team is testing a newly implemented clinical trial management (CTM) SaaS application that uses a business intelligence application for reporting. The UAT users were instructed to use

HTTP and HTTPS.

Refer to the application dataflow:

1A – The end user accesses the application through a web browser to enter and view clinical data.

2A – The CTM application server reads/writes data to/from the database server.

1B – The end user accesses the application through a web browser to run reports on clinical data.

2B – The CTM application server makes a SOAP call on a non-privileged port to the BI application server.

3B – The BI application server gets the data from the database server and presents it to the CTM application server.

When UAT users try to access the application using https://ctm.app.com or http://ctm.app.com, they get a message stating: "Browser cannot display the webpage." The QA team has raised a ticket to troubleshoot the issue.
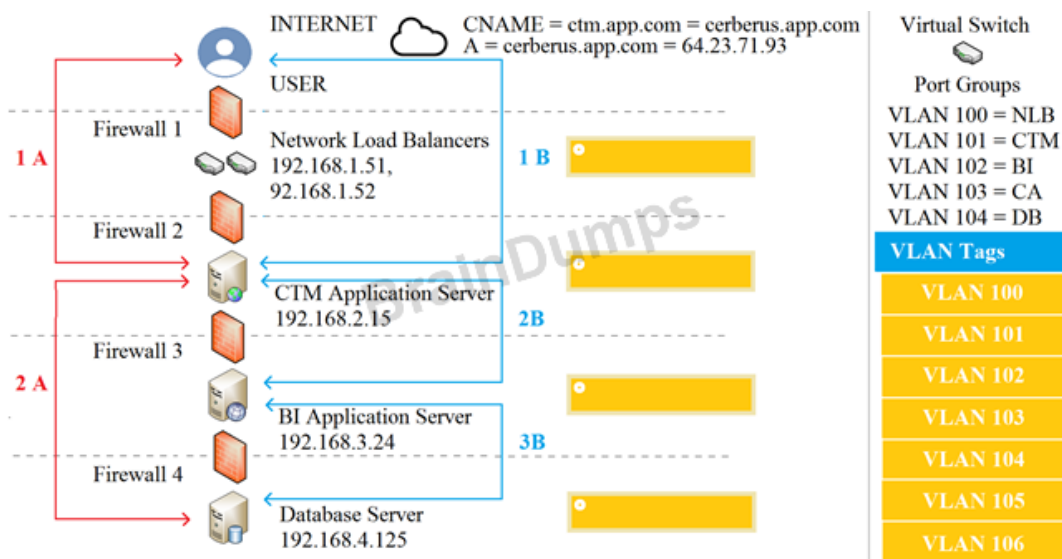
Firewall 1

Action	Source	Destination	Protocol	Port
ALLOW	0.0.0.0	192.168.1.51	TCP	443
ALLOW	0.0.0.0	192.168.1.52	TCP	443
ALLOW	0.0.0.0	192.168.1.51	TCP	80
ALLOW	0.0.0.0	192.168.1.52	TCP	80
DENY	0.0.0.0	0.0.0.0	ANY	ANY

Firewall 2

Action	Source	Destination	Protocol	Port
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY

Save   Reset

Firewall 3

Action	Source	Destination	Protocol	Port
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY

Save   Reset

Firewall 4

Action	Source	Destination	Protocol	Port
ALLOW	192.168.2.15	192.168.4.125	TCP	1533
ALLOW	192.168.3.24	192.168.4.125	TCP	1533
DENY	0.0.0.0	0.0.0.0	ANY	ANY

Answer:
See explanation below.

Explanation:

INTERNET

CNAME = ctm.app.com = cerberus.app.com
A = cerberus.app.com = 64.23.71.93

Virtual Switch

USER

Port Groups
VLAN 100 = NLB
VLAN 101 = CTM
VLAN 102 = BI
VLAN 103 = CA
VLAN 104 = DB

Firewall 1

1 A

Network Load Balancers
192.168.1.51,
92.168.1.52

1 B   VLAN 100

Firewall 2

2B   VLAN 101

CTM Application Server
192.168.2.15

Firewall 3

2 A

3B   VLAN 104

BI Application Server
192.168.3.24

Firewall 4

Database Server
192.168.4.125

VLAN 106

VLAN Tags
VLAN 100
VLAN 101
VLAN 102
VLAN 103
VLAN 104
VLAN 105
VLAN 106

Firewall 2

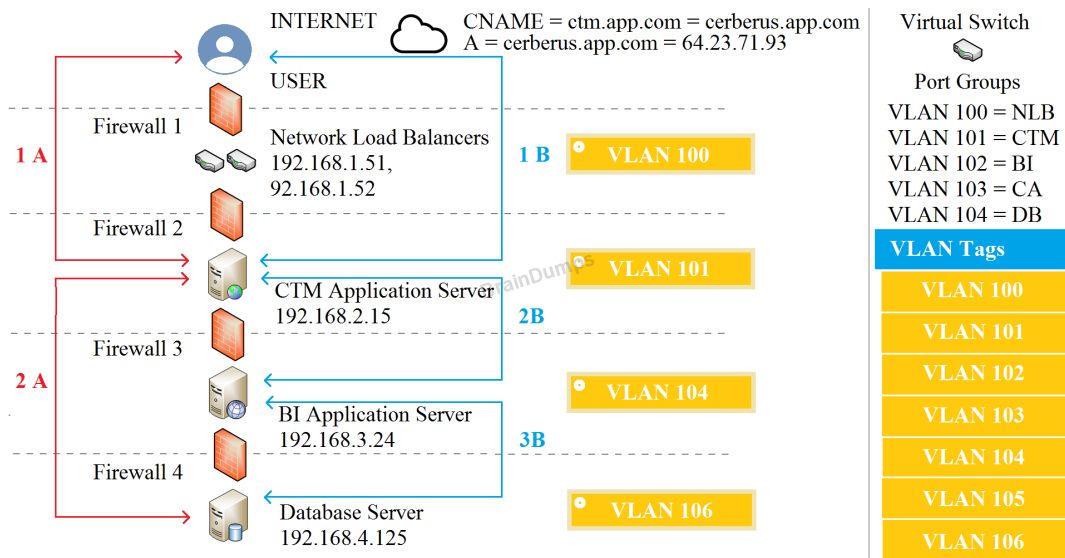| Action	Source	Destination	Protocol	Port
ALLOW ▼	192.168.1.51 ▼	192.168.2.15 ▼	TCP ▼	88 ▼
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 **192.168.1.51** 192.168.1.52 192.168.2.15 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 **192.168.2.15** 192.168.2.24 192.168.3.24 192.168.4.125	**TCP** UDP ANY	80 **88** 443 1533 9400 ANY
DENY ▼	192.168.1.52 ▼	192.168.2.15 ▼	TCP ▼	88 ▼
ALLOW **DENY**	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 **192.168.1.52** 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 **192.168.2.15** 192.168.2.24 192.168.3.24 192.168.4.125	**TCP** UDP ANY	80 **88** 443 1533 9400 ANY
ALLOW ▼	192.168.1.51 ▼	192.168.2.15 ▼	UDP ▼	443 ▼
ALLOW DENY	0.0.00 127.0.0.1 64.23.71.93 **192.168.1.51** 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 **192.168.2.15** 192.168.2.24 192.168.3.24 192.168.4.125	TCP **UDP** ANY	80 88 **443** 1533 9400 ANY
DENY ▼	192.168.1.52 ▼	192.168.2.15 ▼	TCP ▼	443 ▼
ALLOW **DENY**	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 **192.168.1.52** 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 **192.168.2.15** 192.168.2.24 192.168.3.24 192.168.4.125	**TCP** UDP ANY	80 88 **443** 1533 9400 ANY
DENY ▼	0.0.0.0 ▼	0.0.0.0 ▼	ANY ▼	ANY ▼
ALLOW **DENY**	**0.0.0.0** 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	**0.0.0.0** 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP **ANY**	80 88 443 1533 9400 **ANY**

Save   Reset

Firewall 3

Action	Source	Destination	Protocol	Port
DENY ▼	0.0.0.0 ▼	0.0.0.0 ▼	ANY ▼	ANY ▼
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW ▼	192.168.2.15 ▼	192.168.3.24 ▼	TCP ▼	443 ▼
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW ▼	192.168.2.15 ▼	192.168.4.125 ▼	TCP ▼	ANY ▼
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.00 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY

Save **Reset**

QUESTION NO: 207

A law firm wants to limit log retention to the minimum required by law and regulation. Which of the following is the engineer most likely to do FIRST?

A.
Create a 2GB external hard drive to log all activities.

B.
Configure all systems in scope to log activities in support of company policies.

C.
Configure a daily rotation on all workstations to limit the logs' discovery scope.

D.
Deduplicate, compress, and encrypt all logs before archiving them.

Answer: B
Explanation:

QUESTION NO: 208

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.

Answer: A
Explanation:

QUESTION NO: 209

All the virtual server instances within an organization's private cloud environment are having trouble logging into the Kerberos realm. Upon investigation, the CSA notices the time stamps are different on the server virtual instances. Which of the following should be the CSA's NEXT step to resolve this issue?

A.
Check the Kerberos token time stamp.

B.
Check the NTP server to see when it last rebooted.

C.
Check the NTP server synchronization.

D.

Check the virtual server time display format.

Answer: C

Explanation:

QUESTION NO: 210

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

Answer: A

Explanation:

QUESTION NO: 211

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.

Answer: D
Explanation:

QUESTION NO: 212

A cloud engineer is upgrading a high-performance computing cluster for the private cloud. The existing cluster is being replaced with GPU servers. A single GPU server is capable of the same teraflops output as 10 CPU servers. The current cluster configuration is as follows:

100 quad-core CPU servers capable of producing 100 teraflops.

The baseline and current usage is 100%.

The new cluster was set up and benchmarked in four different configurations. Which of the following configurations will meet the baseline teraflops performance of the cluster while maintaining the current usage?

A.
1 GPU server, 80 CPU servers

B.
2 GPU servers, 50 CPU servers

C.
5 GPU servers, 40 CPU servers

D.
9 GPU servers, 10 CPU servers

Answer: D
Explanation:

QUESTION NO: 213

A company wants to set up a new department using private cloud resources. The new department needs access to sales and financial data, but it should be prohibited from accessing human resources data. Which of the following is the BEST option to configure on the virtual (software-defined) network to meet these requirements?

A.
VSAN

B.
VLAN

C.
GRE

D.
VPN

Answer: B
Explanation:

QUESTION NO: 214

An engineer is responsible for managing a private cloud environment at a software company. Company developers perform all programming in the cloud environment. There are two departments working on a highly classified product that now requires dedicated resources, which cannot be viewed or accessed by other departments in the cloud environment. Which of the following should the engineer perform to ensure the requirements are met? (Choose three.)

A.
Create a baseline

B.
Assign an ACL

C.
Verify segmentation

D.
Use thin provisioned storage

E.
Automate patch deployments

F.

Create a tenant

G.

Deploy a PKI solution

Answer: B,C,G
Explanation:

QUESTION NO: 215

A company is in the process of evaluating cloud service providers, as it is planning to move all of its on-premises IT services to the cloud. Most of the applications are mission critical with four 9s and five 9s uptime. The area where the company is located is also prone to natural disasters. One of the main requirements is that IT services need to survive local outages as well as regional outages. One of the company's main customers is a government entity. Which of the following is the BEST way for a cloud engineer to address these requirements?

A.

Select a cloud service provider with local, regional, and international failure zones.

B.

Select a cloud service provider with local, national, and international failure zones.

C.

Select a cloud service provider with local, regional, and national failure zones.

D.

Select a cloud service provider with regional, national, and international failure zones.

Answer: C
Explanation:

QUESTION NO: 216

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

Answer: C
Explanation:

QUESTION NO: 217

A large law firm is migrating all of its systems to the cloud to meet growing business needs. The firm wants to reduce IT staff while maintaining day-to-day operations, such as user provisioning, folder management, and permissions. Which of the following MUST the cloud provider and cloud customer implement to ensure user non-repudiation?

A.
Server certificate

B.
Client-to-site VPN

C.
Two-factor authentication

D.
Single sign-on

Answer: B
Explanation:

QUESTION NO: 218

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

Answer: A
Explanation:

QUESTION NO: 219

An administrator is using a script to create ten new VMs in a public cloud. The script runs and returns no errors. The administrator confirms that all ten VMs show up in the dashboard, but only the first eight reply to pings. Which of the following is the MOST likely cause of the issue?

A.
Workflow credential errors

B.
API request limitations

C.
IP address depletion

D.
Batch job scheduling issue

Answer: C
Explanation:

QUESTION NO: 220

A company has hired a technician to build a cloud infrastructure for a massively parallel application. Which of the following should the technician consider doing FIRST?

A.
Add a GPU to the VMs

B.
Configure the VMs to scale up automatically

C.
Allocate maximum bandwidth to the VMs

D.
Select the most compute cores for the VMs

Answer: B
Explanation:

QUESTION NO: 221

An administrator needs to deploy a new release of an application in a way that allows a quick rollback to the previous version of the application. Which of the following is the BEST strategy to apply?

A.
Deploy the application to a set of servers in small batches. If a rollback is necessary, restore the previous deployment from snapshots or backups.

B.
Deploy the application to a subset of servers that expose the new application. Direct all traffic to these servers. If a rollback is necessary, redirect all traffic to the previous subset of servers.

C.
Deploy the application to the servers in a backup datacenter or secondary cloud deployment. Shut down the servers in the primary datacenter, forcing all traffic to the failover location. If a rollback is necessary, restart the primary environment and shut down the secondary environment.

D.
Deploy the application to all servers in the datacenter or cloud environment. If a rollback is necessary, undeploy the application and deploy the previous version.

Answer: D

Explanation:

QUESTION NO: 222

Below is the output from a troubleshooting activity:

SaaS application is unavailable to a set of users at a single site.

WAN connectivity was considered to be the cause of the problem.

Upon testing, it seemed the WAN connectivity was up, but the default gateway was unreachable from the internal users.

The faulty switch was replaced to bring up the connectivity.

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

Answer: C

Explanation:

QUESTION NO: 223

A production IaaS database server contains PCI data and is a critical business capability. The CAB approved a normal code change release for QA and PROD to occur 30 minutes apart and to last a maximum of one hour. The cloud DBA team is 45 minutes behind schedule, so they miss

the start time on QA. As the cloud DBA, which of the following is the BEST course of action to apply the code change?

A.

Skip QA and apply the code change to PROD to meet time requirements

B.

Resubmit another change request for another time for approval

C.

Submit an emergency CAB approval to change the time to after business hours

D.

Change the time in the CAB request and apply the code change at a more convenient time

Answer: C
Explanation:

QUESTION NO: 224

A customer wants to remove a user's access to the SaaS CRM system. Which of the following methods should be executed FIRST?

A.
User account removal

B.
User account lockout

C.
User account password change

D.
User account disablement

Answer: D
Explanation:

QUESTION NO: 225

Since the hypervisors were upgraded to the latest version, each new deployment results in an error being displayed at the orchestrator. To troubleshoot the issue, which of the following should be done FIRST?

A.
Verify the domain account is not locked

B.
Upgrade the orchestrator to the latest version

C.
Confirm the compatibility matrix

D.
Upgrade the VMs to the latest version

Answer: C
Explanation:

QUESTION NO: 226

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.

Answer: C
Explanation:

QUESTION NO: 227

The IT department receives a client request to build multiple file server instances. Which of the following is the MOST efficient way for a cloud systems administrator to fulfill this request?

A.
Build file server instances with the OEM DVD

B.
Restore a file server base image from backup

C.
Use the file server template to build the file server instances

D.
Build the server instances using a boot from a SAN image

Answer: D
Explanation:

QUESTION NO: 228

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.

Answer: B,D,E
Explanation:

QUESTION NO: 229

A company has an internal SLA for CPU and RAM oversubscription that should stay below 120%. Storage utilization should stay below 90% with oversubscription below 160%. Given the following:

Hypervisor CPU subscription	150%
Hypervisor RAM subscription	130%
Storage utilization	80%
Storage subscription	120%

Which of the following should be done to meet the SLA?

A.
Install a different hypervisor

B.
Add RAM to the hypervisors and new shelves to the storage array

C.
Add RAM to the hypervisors and increase the CPU clock

D.
Add CPU and RAM to the cluster

Answer: D
Explanation:

QUESTION NO: 230

Company A recently acquired Company B. A cloud administrator needs to give access to the accounting and time-reporting systems for Company B's employees. Company A's employees use a single account to access both systems. To give access to Company B's employees, the cloud administrator should:

A.

add Company B's user account management system to the federated identity system

B.

create a new account in each system for Company B's employees and distribute the credentials

C.

create a shared account named "Company B" and distribute the credentials to those who need access

D.

add new accounts in Company A's account management system, mirroring those in Company B's

Answer: A
Explanation:

QUESTION NO: 231

A systems administrator created several new VMs on a private cloud and wants to ensure the new baseline still meets corporate guidelines. The administrator finds the following new load numbers on the hosts:

HOST	CPU	RAM	DISK	NETWORK
HOST A	22%	85%	94%	47%
HOST B	45%	75%	36%	52%
HOST C	53%	75%	42%	60%
HOST D	85%	75%	93%	75%

If corporate policy requires N+1 host capacity, which of the following metrics is MOST likely to present a problem?

A.
CPU

B.
RAM

C.
DISK

D.
NETWORK

Answer: C
Explanation:

QUESTION NO: 232

Which of the following provides the BEST approach for deploying multiple new firewalls into an IaaS cloud environment with minimal errors?

A.
Manual deployment configuration

B.
Cloud provider installation

C.
Automated and orchestrated deployment

D.
Firewall configuration clone

Answer: C
Explanation: