



CompTIA

Exam Questions CV0-002

CompTIA Cloud+ Exam

NEW QUESTION 1

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: A

NEW QUESTION 2

A company purchased a SaaS CRM application. The signed SLA meets year-round performance requirements. Three months after deployment, customers start reporting a slow application response time. System availability, connectivity, and proper functionality still meet the SL

- A. Which of the following is MOST likely the reason for the poor response time?
- B. Incorrect business requirements are invalidating the testing results.
- C. Bandwidth restrictions are causing poor performance.
- D. The application version is causing compatibility issues.
- E. Inadequate documentation is affecting the user interface.

Answer: C

NEW QUESTION 3

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: A

NEW QUESTION 4

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

NEW QUESTION 5

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

NEW QUESTION 6

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

NEW QUESTION 7

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

NEW QUESTION 8

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

NEW QUESTION 9

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

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

Answer: A

NEW QUESTION 10

A file server is being migrated from physical hardware into a private cloud. Baselineing 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

NEW QUESTION 10

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
- C. Log in to each server and deploy the patch, making sure to check off each server on the list.
- D. Use the existing tooling to clone the existing server
- E. Update each clone with the latest patch and shut down the original system.
- F. Update the set of configuration management scripts to include the latest patch
- G. Execute these scripts against a master inventory of servers.

Answer: D

NEW QUESTION 12

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

NEW QUESTION 16

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 1:1Deduplication 4:1Overall savings 4:1Average latency 1.0ms
- B. Compression 1.5:1Deduplication 1.8:1Overall savings 2.2:1Average latency 600us
- C. Compression 1.3:1Deduplication 3.1:1Overall savings 4.3:1Average latency 900us
- D. Compression 1.8:1Deduplication 2.7:1Overall savings 4.2:1Average latency 1.2ms

Answer: D

NEW QUESTION 20

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

NEW QUESTION 21

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

NEW QUESTION 23

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

NEW QUESTION 26

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

NEW QUESTION 30

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

NEW QUESTION 34

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

NEW QUESTION 35

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 V
- B. Make changes to the server properties.
- C. The upgrade has a bug Reboot the server and attempt the upgrade again.
- D. The vulnerability scanner is on a different subne
- E. Open the ports, and it will reconnect.
- F. There is an application compatibility issu
- G. Roll back to the previous working backup.

Answer: D

NEW QUESTION 39

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

NEW QUESTION 43

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

NEW QUESTION 45

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

NEW QUESTION 49

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: AD

NEW QUESTION 51

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

NEW QUESTION 56

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

NEW QUESTION 61

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

NEW QUESTION 62

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

NEW QUESTION 64

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

NEW QUESTION 65

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

NEW QUESTION 66

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

NEW QUESTION 67

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

NEW QUESTION 71

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

NEW QUESTION 73

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

NEW QUESTION 78

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

NEW QUESTION 80

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

NEW QUESTION 81

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

NEW QUESTION 86

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

NEW QUESTION 90

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

NEW QUESTION 94

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

NEW QUESTION 96

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: BD

NEW QUESTION 98

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

NEW QUESTION 99

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

NEW QUESTION 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: B

NEW QUESTION 107

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

NEW QUESTION 109

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

NEW QUESTION 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

NEW QUESTION 118

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

NEW QUESTION 123

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

NEW QUESTION 128

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.
- B. Switch users from the failed site to the online regional public cloud site.
- C. Restore the site at the new location within two hours by using backups from the failed public cloud site from two hours earlier.
- D. Switch users from the failed site to the online regional public cloud site.
- E. Restore the site at the new location within eight hours by using backups from the failed public cloud site from six hours earlier.
- F. Switch users from the failed site to the online regional public cloud site.
- G. 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.
- H. Switch users from the failed site to the online regional public cloud site.

Answer: C

NEW QUESTION 129

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

NEW QUESTION 134

Engineers are preparing to move guests to new compute and storage infrastructure. Basic network and SAN connectivity have been established. Which of the following options are valid NEXT steps to prepare for guest migration to the new infrastructure? (Select two.)

- A. Tag the live migration VLAN on the trunk to the new servers
- B. Correctly size and provision NFS LUNs on the new storage
- C. Zone HBAs
- D. Prep mirror VMs on new hosts for data migration
- E. Tag the SAN trunks with the correct guest network VLANs

Answer: AD

NEW QUESTION 136

An administrator is testing a new web server from outside of the corporate firewall. The administrator performs a test from a single PC and the web server responds accordingly. The administrator then provisions several virtual machines on a network behind NAT and uses them to perform the same operation on the web server at the same time, but thereafter soon discovers that none of the machines can reach the web server. Which of the following could be responsible?

- A. IPS
- B. Blacklisting
- C. IDS

- D. Whitelisting
- E. Firewall

Answer: E

NEW QUESTION 140

Which of the following would a company implement to provide authentication to multiple websites that are delivered through PaaS?

- A. Federation services
- B. MAC
- C. Multi-factor authentication
- D. RBAC

Answer: D

NEW QUESTION 143

Which of the following ensures that there is enough space for vendors to install their programs and run the software they will be managing for various SaaS products?

- A. Network isolation
- B. Laws and regulations
- C. Multi-tenancy
- D. Data segregation

Answer: D

NEW QUESTION 145

Which of the following access control types would give a system administrator the ability to assign access according to least privilege?

- A. Role based
- B. Rule based
- C. Discretionary
- D. Mandatory

Answer: C

NEW QUESTION 147

Which of the following will be the BEST option for an administrator to bring VMs online at a warm site after a natural disaster has occurred at the primary site?

- A. Kick off a full backup
- B. Request offsite backup tapes
- C. Confirm enterprise tape library is functional
- D. Verify replication is enabled

Answer: C

NEW QUESTION 150

After a recent outage going unnoticed, an administrator has been tasked to configure monitoring for the Linux-based and Windows-based host operating systems in a hybrid cloud. Which of the following services should the administrator confirm are functional prior to employing centralized monitoring to both types of operating systems? (Select two.)

- A. Syslog services
- B. Cron services
- C. Web services
- D. Task Manager services
- E. WMI services

Answer: AB

NEW QUESTION 152

A company has a virtual database server running in the cloud that the company would like to start hosting in-house on a newly purchased blade server. Which of the following virtualization tools would BEST be used to accomplish this?

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

Answer: B

NEW QUESTION 154

Which of the following generally has better performance when accessing larger databases?

- A. NAS

- B. SAN
- C. CIFS
- D. NFS

Answer: B

NEW QUESTION 157

Which of the following tools would an administrator use to test connectivity of a server in the cloud?

- A. ping
- B. FTP
- C. nslookup
- D. netstat

Answer: A

NEW QUESTION 160

Which of the following server types would be an ideal candidate for virtualization? (Select two.)

- A. Hypervisor
- B. Terminal server
- C. Mail server
- D. Enterprise database server
- E. Domain controller

Answer: CD

NEW QUESTION 161

Every quarter, technicians perform a UPS and generator test at the datacenter. During the test, the diesel generators did not function correctly resulting in a datacenter black out. After the engineers restore power, they quickly turn on each device and go home for the day. The next morning, clients start reporting they are not receiving email. After investigation, the engineers find that not all VMs are online and it is determined that some VMs did not start up in a correct sequence. Which of the following policies might need to be reviewed to help remediate the above scenario?

- A. Monitoring policy
- B. Change management policy
- C. Service level agreement policy
- D. Boot sequence policy

Answer: B

NEW QUESTION 166

Which of the following is the BEST process to provide data access control to only the hosts authorized to access the LUN?

- A. RAID Masking
- B. LUN Masking
- C. RAID Mirroring
- D. LUN Binding

Answer: B

NEW QUESTION 170

An administrator needs to monitor server applications in the company's data center. Which of the following tools would the administrator need to accomplish this objective?

- A. SMS
- B. SMTP
- C. IPMI
- D. SNMP

Answer: C

NEW QUESTION 175

An administrator is building a VM for a department in the company. The requirements for the department include:

1. Run multiple mission critical applications.
2. Generate and interpret large quantities of test data.

The administrator will start with the standard company VM template.

Which of the following should the administrator configure for this new department template to meet department requirements? (Select two.)

- A. Configure additional virtual NICs
- B. Configure additional memory
- C. Configure port mapping
- D. Apply appropriate OS licensing
- E. Configure additional CPUs and storage

Answer: AB

NEW QUESTION 180

Users are reporting slow performance on a virtual server. An administrator notices that the virtual CPU is at 50%. Which of the following should the administrator check on the host?

- A. I/O throttling
- B. CPU wait time
- C. Swap files
- D. Memory ballooning

Answer: B

NEW QUESTION 184

Which of the following describes connecting a physical Ethernet adapter to a virtual Ethernet adapter?

- A. Resource pooling
- B. Virtual switching
- C. Bridging
- D. Resource allocation

Answer: C

NEW QUESTION 186

When the cache receives write data from the hosts, which of the following does the controller send back to the host?

- A. Request
- B. Header
- C. Footer
- D. Acknowledgement

Answer: D

NEW QUESTION 190

An administrator needs to verify what ports are listening on an operating system. Which of the following tools can be used to accomplish this task?

- A. telnet
- B. netstat
- C. packet sniffer
- D. ifconfig

Answer: B

NEW QUESTION 195

When a firewall takes an incoming request for a specific IP address and redirects it to an internal host, which of the following is being used?

- A. NIS
- B. PAT
- C. NAT
- D. NIC

Answer: C

NEW QUESTION 199

An educational institution would like to install hypervisors for a new cloud development class with very limited funding. Which of the following hypervisors is MOST likely to be selected by the institution?

- A. Type II
- B. Type I
- C. Open source
- D. Proprietary

Answer: B

NEW QUESTION 201

A company is testing a new software product that is intended for auto discovery of assets within a cloud environment. The testing department wants to ensure that initial testing does not allow the product to leave the boundary of the test environment. Which of the following should the network administrator implement in the department test environment?

- A. ACLs
- B. DMZ
- C. IDS
- D. SNMP

Answer: A

NEW QUESTION 203

A system administrator has been monitoring cloud infrastructure usage over a period of time. The administrator notices that several hosts are consistently running close to capacity during work hours. To balance the workload across more hosts the administrator performs a virtual resource migration. Which of the following terms BEST describes the reason the administrator performed this action?

- A. Mobility
- B. Utilization
- C. Availability
- D. Migration

Answer: C

NEW QUESTION 207

Which of the following would allow separation between the Internet and the internal network of a company?

- A. Virtual Local Area Networks
- B. Review Audit Logs
- C. Review System Logs
- D. Demilitarized zone

Answer: A

NEW QUESTION 208

A new vulnerability has been announced which affects several critical VM guests, but no patch is available. Which of the following can the administrator perform to mitigate this risk prior to a patch being released?

- A. Install and update antivirus software on all workstations
- B. Apply all available software patches to VM guests and VM hosts
- C. Disable the affected service if it is found to be unnecessary
- D. Cluster all affected VM guests and implement resource pooling

Answer: B

NEW QUESTION 210

An administrator has recently moved all VoIP to a CaaS offering. In order to ensure that VoIP traffic remains separate from the rest of the data traffic, which of the following MUST be done?

- A. All VoIP traffic needs to be VLAN tagged
- B. The CaaS CSP needs to create a new subnet
- C. The CaaS CSP needs to create a private VPN
- D. All VoIP traffic needs to have QoS

Answer: A

NEW QUESTION 213

A new contract requires software to be developed, tested, and implemented within a month. Which of the following levels of service would allow rapid provisioning and deployment?

- A. Cloud bursting
- B. PaaS
- C. CaaS
- D. BPaaS

Answer: B

NEW QUESTION 215

Which of the following is a zone, within a network, that is MOST likely to be accessed by both internal and external hosts?

- A. Intranet
- B. VPN
- C. DMZ
- D. Management VLAN

Answer: C

NEW QUESTION 216

Which of the following would be considered use cases for Object-Based Storage? (Select two.)

- A. Transactional database
- B. Cloud-based storage
- C. Web server platform
- D. Data archival solution
- E. Enterprise email services

Answer: BD

NEW QUESTION 219

An administrator needs to test that a service is responding to external requests. Which of the following tools can be used to accomplish this task?

- A. ping
- B. tracert/traceroute
- C. telnet
- D. ipconfig/ifconfig

Answer: B

NEW QUESTION 220

Which of the following ports is used for HTTPS?

- A. 25
- B. 80
- C. 443
- D. 444

Answer: C

NEW QUESTION 225

In a mission critical environment, performing maintenance operations on a host FIRST requires which of the following?

- A. Shutting down the host.
- B. Migrating all VMs off the host.
- C. Shutting down the VMs on the host.
- D. Pausing the VMs on the host

Answer: D

NEW QUESTION 227

A host with 30 VMs has 64GB of RAM, four quad-core CPUs, four 1-gigabit NICs and is connected to a NAS that provides NFS volumes. The hosted VMs are reporting slow performance. From the information given, which of the following is the MOST likely cause of the slow performance?

- A. Insufficient NAS capacity
- B. The server is using 110V instead of 220V
- C. One hard drive has failed in the RAID 5
- D. Insufficient network capacity

Answer: D

NEW QUESTION 228

An administrator needs to securely troubleshoot an issue with a virtual host from a remote location. Which of the following allows for this by default?

- A. VPN and RDP
- B. SCP and RDP
- C. AES and TLS
- D. SSL and SFTP

Answer: A

NEW QUESTION 229

A hosting company provides 10 VM web servers for a financial institution. The financial institution recently introduced a new web application and now their web traffic has significantly increased. Which of the following could the administrator implement to assist in reducing the load on the web servers?

- A. Clustering
- B. Virtual switching
- C. Load balancing
- D. Site mirroring

Answer: C

NEW QUESTION 233

The helpdesk starts receiving calls from a number of users that are suddenly having issues accessing one of the project management shared drives. When Joe, an administrator, logs onto the guest hosting the drive via the console he is able to get to the information. Which of the following failures could have caused this issue?

- A. NIC failure
- B. Disk failure
- C. Memory failure
- D. CPU failure

Answer:

A

NEW QUESTION 238

Fault tolerant design allows a host to overcome a single HBA failure through:

- A. clustering
- B. UTA pairing
- C. multipathing
- D. NIC teaming

Answer: A

Explanation:

Reference:

<http://www.ques10.com/p/2619/write-short-note-on-failure-analysis/>

NEW QUESTION 239

An administrator is tasked with encrypting all Personally Identifiable Information (PII) within a cloud- based database. Which of the following types of encryption will ensure that ONLY this type of information is encrypted while the rest of the database remains unencrypted?

- A. File and folder encryption
- B. Transport encryption
- C. Hard drive encryption
- D. Table encryption

Answer: D

NEW QUESTION 242

An administrator has configured a new VM with the correct IP, netmask, and default gateway.

However, even with the vNIC showing a link and incoming and outgoing packets, the VM is unable to ping its default gateway. Which of the following is MOST likely the reason the VM network connection is not functioning properly?

- A. The VM is not connected to the correct virtual switch.
- B. The VM does not have jumbo frames enabled.
- C. The VM is not in the LUN masking configuration.
- D. The VM has an incorrect WWN.

Answer: D

NEW QUESTION 243

Which of the following types of geo-clustering should a cloud service provider implement in case a tenant requires that response time decreases if operations are moved closer to the cloud service provider's primary site?

- A. Dynamic proximity
- B. Round Robin
- C. Throughput
- D. Static proximity

Answer: D

NEW QUESTION 248

Which of the following can be used to physically restrict employees from accessing a datacenter?

- A. Access badge
- B. Password
- C. Mantrap
- D. PIN

Answer: A

NEW QUESTION 251

An administrator has virtualized a physical server. The application team reports satisfactory performance. The physical machine has been reimaged with a newer operating system. The following day, the application team remembers that the physical server had a dual purpose and uses a proprietary telephony card that connects to the PBX switch. The administrator needs to restore the server to its previous state. Which of the following should the administrator perform?

- A. P2P
- B. Restore the snapshot
- C. V2V
- D. V2P

Answer: B

NEW QUESTION 254

Which of the following encryption types would be used to protect company information when stored on a cloud server being shared by multiple companies?

- A. Secure socket layer encryption
- B. Transport layer security encryption
- C. Whole disk encryption
- D. File and folder level encryption

Answer: D

NEW QUESTION 257

A technician has just installed a key-value store on a server and is unable to connect it to the application using port 8291. The technician logged on to the server and needs to determine if the port is listening. Which of the following tools should the technician use?

- A. route
- B. nslookup
- C. arp
- D. netstat

Answer: D

NEW QUESTION 259

Anne, an administrator, notices unusual activity on a database server. After reviewing the logs, she notices a number of successful anonymous FTP logins and transferring of data to an external server. Which of the following hardening techniques would have helped stop this attack from succeeding? (Select two.)

- A. Changing default account settings
- B. Up-to-date patching for operating system software
- C. Current updates for the NIDS
- D. Disabling unused ports and services
- E. Up-to-date patching for application system software
- F. Current updates for antivirus software

Answer: BD

NEW QUESTION 263

A company has purchased two new servers to host several virtualized database servers. Each server has two 3GHz quad-core processors each, 64GB RAM each, 200GB DAS, and two 10GbE NICs each. Which of the following is the MOST likely bottleneck for these systems?

- A. Processors
- B. SAN
- C. RAM
- D. NIC

Answer: D

NEW QUESTION 265

An administrator has been promoted to architect when trying to access one of the servers, the architect receives the error: "Authentication failure: Account is not allowed". Which of the following explains why access was denied?

- A. Role-based ACL are enabled
- B. Multifactor authentication is partially working
- C. Federated information is not completely populated
- D. Discretionary ACL are enabled

Answer: D

NEW QUESTION 268

A cloud solution provider offers services solely to the healthcare industry which meets specific security and government regulations. This is an example of which of the following cloud types?

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

Answer: D

NEW QUESTION 270

An administrator needs to build a VM for a legacy, single-threaded application. According to best practice, how many virtual CPUs should the administrator use?

- A. 1
- B. 2
- C. 4
- D. 8

Answer: A

NEW QUESTION 273

Implementing a process in a change management system takes place after:

- A. rigorous peer review.
- B. consultation with the vendor.
- C. initial test in a sandbox.
- D. approval by the CAB.

Answer: D

NEW QUESTION 276

Which of the following is the BEST method to isolate iSCSI network traffic?

- A. WWPN Zoning
- B. WWNN Zoning
- C. Dedicated VLANs
- D. LUN Masking

Answer: C

NEW QUESTION 277

A college has implemented a private cloud for students and faculty. The college is required by their accrediting body to ensure that the cloud meets certain confidentiality and privacy requirements. Which of the following represents the LEAST intrusive testing method for the college to use, while ensuring separation of duties during the testing?

- A. A vulnerability assessment should be conducted by the MIS department.
- B. A penetration test should be conducted by an accredited third party.
- C. A penetration test should be conducted by the MIS department.
- D. A vulnerability assessment should be conducted by an accredited third party.

Answer: A

NEW QUESTION 281

Which of the following does the administrator use to consolidate all the VMs into a single IP while allowing access to the Internet?

- A. DNS
- B. VLAN
- C. NAT
- D. DHCP

Answer: B

NEW QUESTION 283

Which of the following tools would an administrator use when determining the hop count between a source and a destination?

- A. arp
- B. nbstat
- C. ipconfig
- D. tracert

Answer: D

NEW QUESTION 284

Which of the following technologies allows for the secure exchange of encryption keys within an internal network?

- A. AES
- B. RC4
- C. Diffie-Hellman
- D. 3DES

Answer: C

NEW QUESTION 287

A small business owner needs to establish a secure logon to the company database server to troubleshoot an issue while on vacation. Which of the following will allow secure access to manage the server from a remote location?

- A. SFTP
- B. Telnet
- C. SSH
- D. RSH

Answer: D

NEW QUESTION 288

Which of the following typically provides a FASTER access speed in a network storage implementation?

- A. NFS
- B. SAN
- C. DAS
- D. SATA

Answer: C

NEW QUESTION 290

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