

**Exam Code: CV0-001**

Number: CV0-001  
Passing Score: 800  
Time Limit: 120 min  
File Version: 16.5



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**Exam Code: CV0-001**

**Exam Name: CompTIA Cloud+ Certification Exam**



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### QUESTION 1

Which of the following is MOST important when factoring network level security in a public cloud environment?

- A. Ensuring good user experience
- B. Ensuring confidentiality
- C. Ensuring redundancy
- D. Ensuring high availability

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 2

Which of the following should an administrator implement when connecting the company's existing network to a public cloud environment to ensure confidentiality of data that is being transmitted?

- A. A proxy server
- B. A load balancing solution
- C. An IPSec tunnel
- D. A server clustering solution

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 3

An administrator is creating a new VM template and has a requirement that the OS must be hardened. Which of the following should be performed to harden a guest OS?

- A. Encrypt the hard drive
- B. Run defrag
- C. Rename administrator account
- D. Change page file

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 4

A company has decided to reduce their datacenter size. An administrator for the company has been tasked to virtualize many of the company's servers. Which of the following should the administrator perform to accomplish this goal?

- A. P2V

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 5**

Which of the following technologies would MOST likely be used for personal use to virtualize a desktop?



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- A. Type II
- B. Type I
- C. RAID 5
- D. RAID 0

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 6**

In which of the following cloud services will the customer be responsible for securing provisioned hosts?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 7**

Which of the following can be used to encrypt data at rest on a VM located in the cloud?

- A. AES
- B. SSL
- C. TLS

D. VPN

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 8**

An administrator is tasked to reduce the company's datacenter power utilization. Currently there are 500 physical servers in the datacenter and 600 virtual servers with five additional available host servers. Which of the following should the administrator perform?

- A. Migrate servers using V2V technology
- B. Perform an offline migration of virtual servers
- C. Migrate servers using V2P technology
- D. Migrate servers using P2V technology

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 9**

An administrator is tasked with installing an application patch on a virtual server. The administrator needs the ability to restore the server to its previous state quickly if the patch corrupts the system. Which of the following should the administrator do to accomplish this task?

- A. Install the patch on a development server
- B. Create a full backup
- C. Create a snapshot
- D. Install the patch on a test server

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 10**

Which of the following can be done after an administrator deploys a virtual server to ensure that the server vNIC can communicate to the physical network?

- A. Bridge the vNIC
- B. Set the vNIC speed to half-duplex
- C. Add an additional vNIC
- D. Set the vNIC speed to full-duplex

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 11**

An administrator deployed ten application servers from a single VM template. A senior administrator notices that these ten VMs are not using their resources efficiently. Which of the following is MOST likely the issue with the new servers?

- A. The dynamic resource pool is malfunctioning.
- B. The server is missing security patches.
- C. The VM servers were not properly configured.
- D. There are insufficient resources available on the host.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 12**

Which of the following only uses Fibre Channel to implement a storage infrastructure?

- A. NFS
- B. SAN
- C. NAS
- D. SMB

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 13**

An employee is asked to run an instance of a Linux OS while booted up in a Windows OS. Which of the following types of virtualization would be used to meet this requirement?

- A. Type I
- B. Type II
- C. Bare Metal
- D. Native

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 14**

Which of the following can be used to protect data integrity when information is being written to a SAN from multiple clients?

- A. Port Zoning

- B. SAN Zoning
- C. LUN Masking
- D. Multipathing

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 15**

Which of the following would be used to prove the existence of vulnerabilities on a network?

- A. Penetration testing
- B. Vulnerability assessment
- C. Business impact analysis
- D. Risk assessment

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 16**

Which of the following is true about a Type II hypervisor?

- A. It requires a primary hypervisor to function properly.
- B. It implements stronger security controls than a Type I supervisor at the same patch level.
- C. It provides slower performance than a Type I hypervisor installed on the same hardware.
- D. It provides direct hardware access through the use of specialized drivers.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 17**

A technician wants to isolate storage from other network traffic. Which of the following **MUST** the technician implement to ensure storage traffic is securely segregated?

- A. VLAN
- B. VMFS
- C. PAT
- D. NTFS

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 18**

A technician wants to remotely gather a list of all the software running on the client PCs throughout the organization. Which of the following should be used to gather this information?

- A. WMI
- B. SQL
- C. Syslog
- D. SNMP

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 19**

Which of the following detection controls can be used to identify an unauthorized individual who accessed a remote network share?

- A. Obfuscation
- B. Authentication
- C. Log review
- D. LUN masking

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 20**

The performance logs on a virtualization server show a large number of pages being written to disk at a high rate. Which of the following should the technician do?

- A. Increase the amount of swap space on the disk
- B. Increase the amount of physical memory
- C. Install and provision additional disk space
- D. Allocate additional CPU power to the guests

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 21**

A company wants to migrate its critical application to a public cloud but the security administrator is concerned with the application's data confidentiality requirements. Which of the following can be done to review if the appropriate management security controls are in place at the provider?

- A. Penetration testing

- B. Vulnerability assessment
- C. Performance and application testing
- D. Policy and procedure audit

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 22**

A catastrophic disk failure occurred on a company's critical database. After a technician performs a full system restore, one of the business units realizes that the current backup does not hold fresh enough information. Which of the following should the company revise?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 23**

A company has virtualized all of their servers on one physical server located on the company's first floor datacenter. The company also uses security software from a third-party cloud vendor as part of a SaaS contract. The overall cloud network model for this company's network is BEST described by which of the following?

- A. Hybrid
- B. Offsite public
- C. On-site private
- D. Community

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 24**

An external USB hard drive physically attached to a server is a:

- A. SAN.
- B. DAS.
- C. VLAN.
- D. NAS.

**Correct Answer:** B



**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 25**

A company has multiple guest operating systems running in a virtual environment. An administrator would like to ensure all servers consistently receive the same IP addresses. Which of the following should be implemented?

- A. Soft limit quotas
- B. Reservations
- C. Resource pooling
- D. Entitlement allocations

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 26**

A technician would like to connect to a virtual server from inside the network, using a desktop computer. Which of the following tools could the technician use?

- A. HTTP
- B. RDP
- C. IMAP
- D. SSL

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 27**

A server has two power supplies such that when the first one fails, the second one automatically is used to provide power to the server. This type of setup is an example of which of the following?

- A. Latency
- B. Replication
- C. Redundancy
- D. Failback

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 28**

Which of the following would allow the knowledge management division to maximize the ability to find documents within an online document repository?

- A. Object ID
- B. Access control
- C. Metadata
- D. Rapid deployment

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 29**

A system administrator wants to create a mitigation strategy to quickly roll back a virtual image after applying the latest updates. Which of the following would the administrator utilize?

- A. File backup
- B. Snapshot
- C. Offline backup
- D. Image backup

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 30**

A system administrator wants to be able to use one server to collect all of the logs on the network. Which of the following would be used to satisfy this scenario?

- A. Firewall logging
- B. Change management database
- C. Syslog service
- D. SNMP

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 31**

Which of the following will allow the network administrator to verify that one IP is assigned to one VM?

- A. Virtual Local Area Network
- B. Reservations
- C. Resource Pooling
- D. Storage allocation

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 32**

A company is required to provide their customers with zero downtime for its web application. Which of the following would satisfy this requirement?

- A. Cold site
- B. High availability
- C. Multipathing
- D. Load balancing

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 33**

Which of the following cloud delivery models is deployed over a company intranet or company-hosted datacenter?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 34**

Users on a network report that they are unable to access any external websites, however, they are able to access resources by IP address. Which of the following command line utilities would be used FIRST in troubleshooting this problem?

- A. netstat
- B. telnet
- C. nslookup
- D. ipconfig

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 35**

Which of the following storage technologies would be MOST appropriate for installations where fast data access time is paramount?

- A. USB
- B. Tape
- C. HDD
- D. SSD

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 36**

A web hosting company received reports of slow performance from four out of the five clients. Upon investigation, it was determined that a hosted virtual machine was using more RAM and CPU than the others. Which of the following MOST likely contributed to the issue?

- A. Hard quota limits
- B. Soft quota limits
- C. Storage allocation
- D. Resource pooling

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 37**

Which of the following access control types allows users to assign security attributes to objects such as files and directories?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 38**

Which of the following could be reviewed on devices to help determine whether unauthorized access has occurred?

- A. Antivirus
- B. Firewall

- C. Audit logs
- D. IDS

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 39**

How many cores are available to the resource pool with a Type I hypervisor that has 4 quad core processors installed?

- A. 16
- B. 24
- C. 32
- D. 64

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 40**

Which of the following describes the access control method where data owners authorize who is granted access to their files?

- A. Mandatory access control
- B. Role-based access control
- C. Access control list
- D. Discretionary access control

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 41**

Some of the VMs in an environment are experiencing network connectivity loss. The VM management network has no connectivity issues. Which of the following could cause this connectivity issue?

- A. NIC teaming is disabled
- B. Faulty host NIC port
- C. Wrong NIC load balancing mode
- D. Slow NIC

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 42**

Users have been reporting slow response times on a database server. The administrator noticed the server at any given time has between 30 to 50 users connected to various databases.

Additional research shows disk metrics such as disk queuing and disk access rates are both around 10% to 15%. Which of the following can be the root cause of this slow performing server?

- A. The CPU time reservation is small.
- B. The swap disk space is small.
- C. The server has fewer resources than required.
- D. I/O tuning is disabled.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 43**

A web server is offline. Which of the following will allow the FASTEST possible recovery of the web server?

- A. Operating system and application backups
- B. Image backups
- C. Operating system backups only
- D. File backups

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 44**

Which of the following is a MINIMUM requirement for VM online migration?

- A. Same CPU family between source and target hosts.
- B. Same network equipment between source and target hosts.
- C. Same hardware vendor for the datacenter.
- D. Same hypervisor versions between source and target hosts.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 45**

Which of the following MUST be in a zone? (Select TWO).

- A. Initiator

- B. Target
- C. CNA
- D. HBA
- E. Fibre Channel

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 46**

Which of the following attributes BEST describes elasticity in cloud computing? (Select TWO).

- A. Universal access
- B. Multi-tenancy
- C. Portability
- D. Cost effectiveness
- E. Scalable
- F. Off premises

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 47**

Which of the following factors yields cost savings in cloud computing? (Select TWO).

- A. Shared resources
- B. Availability
- C. Ubiquitous access
- D. Multi-tenancy
- E. On premises

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 48**

A company has an existing internal network that hosts confidential information. However, this network also has a connection to a separate site. The separate site is managed by a third party organization that has an SLA with the company. Which of the following BEST defines this cloud delivery model?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 49**

Monitoring alarms should be set based on:

- A. A high point for every performance counter in the system.
- B. The point of application installation.
- C. Acceptable application performance criteria.
- D. Support availability.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 50**

A user is notified that they will be terminated at the end of the day. As they start cleaning up their workstation, they try to FTP information from their workstation to a cloud-based, personal backup solution. Which of the following hardening techniques would be used to restrict their ability to transfer this information via FTP?

- A. Antivirus
- B. NIPS
- C. NIDS
- D. Host-based firewall

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 51**

A datacenter migration is taking place and the administrator has been tasked with reducing the footprint of the new datacenter by virtualizing as many servers as possible. A physical server has been flagged as a candidate for relocation to the new data center. Which of the following methods would be the FIRST method for relocating the server to the new data center?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



Explanation:

**QUESTION 52**

Which of the following cloud models would be used when implementing a company's email system in the cloud?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 53**

Which of the following is the BEST means of ensuring resource utilization remains even across the hosts?

- A. Resource pooling
- B. VM affinity
- C. Dynamic VM placement
- D. VM high availability

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 54**

Which of the following can an administrator implement to achieve boot on SAN?

- A. Thin provisioning
- B. vNIC
- C. NPIV
- D. NAT

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 55**

An administrator has implemented a self-service provisioning portal in the company and has associated a cost to CPU, memory, storage, and OS type. Which of the following cloud computing options has been configured?

- A. Cloud bursting
- B. Chargeback



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- C. Multi-tenancy
- D. Reservations

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 56**

A company just received a shipment of brand new blade servers and an administrator has been tasked with virtualizing the blade fabric switches. Which of the following would be used to accomplish this?

- A. iSNS
- B. V2P
- C. P2V
- D. NPIV

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 57**

Which of the following would BEST ensure uninterrupted communication from the storage controller to the SAN?

- A. QoS
- B. Multipathing
- C. Zoning
- D. Flow control

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 58**

An administrator is unable to communicate with the physical server via RDP. When using an IP KVM a successful connection was established with the server. Which of the following is being used?

- A. SSO

- B. Console
- C. Guest tools
- D. SSH

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 59**

Which of the following ports is generally associated with a UDP based service?

- A. 22
- B. 25
- C. 53
- D. 80

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 60**

High CPU wait times can often be attributed to:

- A. I/O throttling.
- B. Old processors on hypervisors.
- C. Too many virtual machines on a single host.
- D. Too few virtual CPUs on the guests.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 61**

A government agency wants to create a common environment that would allow them to share documents with other agencies using a cloud model. Which of the following would be the BEST approach?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 62**

The Chief Information Officer (CIO) of a company is tasked to save costs by reducing datacenter space. The administrator explains that virtualization of servers will support this task as a benefit of migrating to a cloud environment known as:

- A. Increased server efficiency.
- B. Infrastructure consolidation.
- C. Total cost of ownership reduction.
- D. Increased availability.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 63**

Which of the following protocols allows fibre channel to be transmitted over the network?

- A. HBA
- B. FCoE
- C. NFS
- D. iSCSI

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 64**

An IPS is used to:

- A. Authenticate users.
- B. Detect unauthorized access.
- C. Block unauthorized access.
- D. Establish SSL access.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 65**

Which of the following protocols could be used to identify the OS version installed on a server?

- A. WMI
- B. IMAP
- C. TLS

D. SMTP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 66**

Which of the following goals are met by multi-port link aggregation? (Select TWO).

- A. LUN zoning
- B. Link clustering
- C. Port linking
- D. Load balancing
- E. Fault tolerance

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 67**

Hardware compatibility among multiple hosts guarantees which of the following?

- A. Host migrations
- B. Supportability
- C. Online VM migrations
- D. Storage migrations

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 68**

A developer is storing a large number of images in binary format to call for a website. Which of the following BEST describes this type of storage object?

- A. Object ID
- B. Extended metadata
- C. Metadata
- D. Data blob

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 69**

Which of the following would assist in preventing malware from spreading in a cloud environment?

- A. Software-based firewall
- B. Deploy DMZ
- C. Implement a honeypot
- D. Antivirus software

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 70**

Which of the following are components of an Object-Based Storage system? (Select TWO).

- A. HBAs
- B. Public Network
- C. Nodes
- D. Private Network
- E. Mainframes

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 71**

The Chief Information Officer (CIO) tells the IT department that all non business critical production applications can be down for no more than 48 hours. Which of the following has the CIO defined?

- A. Failback
- B. RPO
- C. RTO
- D. Failover

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 72**

An administrator receives an automated text that indicates a server hosting a critical app is unavailable. Upon further review, the server needs to be restored from backup. Which of the following defines the amount of time a restore cannot exceed?

- A. Failback
- B. Failover

- C. RTO
- D. RPO

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 73**

A new self-service provisioning system has been deployed to serve the company's rapid VM provisioning needs. Since the website is in the DMZ, HTTPS is required, but company policy states that SSL certificates can not terminate at the server. The company also has a requirement that the web portal be redundant while providing session state. Which of the following availability technologies can be used to meet the company's requirements?

- A. Failover
- B. Multipathing
- C. Load balancing
- D. Failback

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 74**

Which of the following offers 128, 192, and 256 bit encryption?

- A. AES
- B. DES
- C. RC4
- D. RC5

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 75**

Which of the following can limit VM mobility in a host cluster based on architectural differences?

- A. HBA
- B. Switch
- C. CPU
- D. NIC

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 76**

A company has hired a new Chief Security Officer (CSO). While reviewing the company's RAID levels on business critical data volumes, the CSO has decided to change the RAID level to allow for the best protection against number of disk failures. Which of the following RAID levels will accomplish this?

- A. RAID 0+1
- B. RAID 1+0
- C. RAID 1
- D. RAID 6

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 77**

A storage administrator has created five new LUNs for a company's virtual cluster. The company uses iSCSI to connect to storage. Which of the following is needed to present the newly created LUNs on the virtual cluster?

- A. WWNN
- B. IQN
- C. WWPN
- D. VLAN

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 78**

Which of the following BEST describes the need for LUN Masking?

- A. A storage administrator needs to isolate storage networks.
- B. A storage administrator needs to establish storage recovery points.
- C. A storage administrator needs to control which servers are able to access specific LUNs.
- D. A storage administrator needs to establish storage replication points.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 79**

A company has purchased a new self-service provisioning system and has brought in a consultant to deploy the system. During the installation the application attempts to connect to the database server but fails. Which of the following could cause the connection issue?



- A. The consultant has not been granted log in rights to the database server
- B. The database has not been configured for data de-duplication
- C. The consultant has not been granted sa rights to the database instance
- D. Necessary firewall ports have not been opened

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 80**

An administrator creates a new VM, but after powering on the VM, the administrator receives the message no boot device detected. Which of the following needs to be done to resolve this problem?

- A. Mount a NIC that is connected to the virtual switch
- B. Migrate the VM to a new host
- C. Connect the host to working VM storage
- D. Mount an ISO containing an operating system

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 81**

An administrator creates a new virtual desktop for a user. The user is unable to log in with their domain credentials. However, the administrator is able to log in with a local administrator account and ping other VDIs on the same subnet. Which of the following does the administrator need to correct?

- A. Flow control settings of TCP/IP
- B. Gateway on the network adapter
- C. VLAN on the virtual switch
- D. Virtual router

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 82**

Elasticity is closely related to which of the following cloud characteristics?

- A. On-demand
- B. Pay-as-you-grow
- C. Chargeback
- D. On-premise hosting

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 83**

An administrator is troubleshooting the cause of multiple VMs which are suddenly going offline. Which of the following is the FIRST step in troubleshooting the issue?

- A. Review LUN configurations for errors
- B. Review Fibre Channel zoning configuration
- C. Review system logs on the host
- D. Review VM OS multipathing software configuration

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 84**

An administrator is configuring access to hypervisors that will allow them to connect in the event that the management network is down. This type of access is referred to as:

- A. Secure shell.
- B. NIC teaming.
- C. Out-of-band.
- D. Serial port mapping.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 85**

A system administrator is testing various types of software within VMs on a local workstation while surfing the Internet on a host. Which of the following BEST describes the hypervisor architecture that the administrator is using?

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 86**

A business has a virtualized environment which relies on specific file types, formats, and vendor supported tools. The business is MOST likely using which of the following?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 87**

Encryption ensures which of the following? (Select TWO).

- A. Access control
- B. Data loss
- C. Confidentiality
- D. Authentication
- E. Data integrity

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 88**

A company has just established a new branch office that needs to connect back to centrally hosted applications for day to day operations. The branch office has noted that access to many company services are slow and causing a drop in productivity. The company IT department has investigated a plan to improve performance across the link to the branch office without having to pay for more bandwidth from the Internet Service Provider. This plan includes hardware that after installation will allow for much faster access to day to day business applications. Which of the following terms BEST describes the action taken by the IT department?

- A. LAN optimization
- B. WAN optimization
- C. Load balancing
- D. Bandwidth compression

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 89**

Which of the following deployment models BEST meets the requirement to host some of a company's applications in a third party environment while retaining control over some of their data?

- A. Hybrid

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 90**

An administrator is responsible for maintenance and support of servers in the cloud environment. There are over 500 virtual servers spanning across ten physical hosts. The administrator deploys a new application server. The administrator allocated the appropriate virtual resources for the application. Users report slow response after the new server was deployed. Which of the following is the cause of this issue?

- A. Storage allocation on the guest OS
- B. Resource pooling mis-configuration
- C. Application licensing expiration
- D. Data segregation on the host OS

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 91**

Which of the following hypervisors will allocate resources MORE efficiently?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 92**

A system administrator identified an issue on a critical server that is hosted in the cloud. The user community is affected by this issue, but is still able to work. A reboot is needed to rectify this issue. Which of the following steps should the administrator do FIRST to resolve this issue?

- A. Contact the user community
- B. Establish a back-out plan
- C. Enter a change request
- D. Reboot the server

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 93**

An administrator is tasked with ensuring that any new virtual server deployed will meet the minimum requirements for the environment. Which of the following items would be included in a baseline for a VM template? (Select TWO).

- A. Database
- B. CPU
- C. Encryption keys
- D. Security patches
- E. IP address

**Correct Answer: BD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 94**

A new host has been bought to be a part of a new cluster. The purchase order specifies this server has four physical CPUs with eight cores each. After the administrator boots the host, there are only 24 logical processors available for VM allocation. Which of the following BEST describes this problem?

- A. The server requires a firmware upgrade to version 8.2
- B. The BIOS does not have virtualization support features completely enabled
- C. The virtualization license is not the enterprise edition
- D. A CPU is dead on arrival or disabled on the motherboard

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 95**

Which of the following will allow the administrator to be able to reduce Internet Service Provider costs for two sites that have replication as a preferred method for disaster recovery events?

- A. Caching on two sites
- B. Redirection
- C. Caching on one site
- D. Compression

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 96**

In a storage fabric, which of the following is the primary way to implement multipathing?

- A. Formatting
- B. Scaling
- C. Zoning
- D. Caching

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 97**

A group of users can no longer access a number of different LUNs hosted across multiple hosts. Which of the following failures could have caused this issue?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 98**

A corporate office allows employees to work remotely, using their personal computers to access network resources through a browser-based gateway. Which of the following settings should be applied to the virtualized application running on the gateway to reduce the risk of company information being transferred to employees personal machines?

- A. Disable the ability to copy and paste
- B. Encrypt the employees personal computer hard drives and disable the ability to paste
- C. Encrypt the employees personal computer hard drives and disable the ability to print
- D. Disable the ability to paste and read

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 99**

A start-up company has recently gone public and is experiencing unexpected growth. Which of the following cloud service models would allow the company to provide internal email quickly to new employees?

- A. PaaS
- B. CaaS

- C. SaaS
- D. IaaS

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 100**

Which of the following tables would an administrator use to find a list of paths to network nodes?

- A. Port table
- B. VPN tagging
- C. ARP table
- D. Route table

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 101**

Which of the following network terms describes the process of grouping similar traffic on a network?

- A. VLAN tagging
- B. Virtual switches
- C. Supernetting
- D. Route tables

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 102**

Which of the following would an administrator implement between a host and a guest to allow the virtual server to connect to a third party USB drive license key?

- A. Port mapping
- B. NAT
- C. Console port
- D. PAT

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 103**

Which of the following disk drive types would be the BEST for a mission critical application with low latency requirements?

- A. FC
- B. SATA
- C. SSD
- D. SAS

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 104**

Which of the following is the BEST answer for implementing a feature that will remove a single point of failure between a SAN and host?

- A. MPLS
- B. MTBF
- C. MTU
- D. MPIO

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 105**

An administrator has been reviewing a cloud providers website and would like to view the current information about all services available. Which of the following should the administrator analyze?

- A. Catalog
- B. CMDB
- C. Quote
- D. Service request

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 106**

An administrator is investigating performance issues related to database application response time that is not within the baseline. Which of the following is the symptom of the performance issue?

- A. Aggregation
- B. Latency



- C. Throttling
- D. Bottleneck

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 107**

A JBOD is being monitored and an administrator notices that a high number of writes occur in short timeframes in the last 24 hours. Which of the following BEST describes this issue?

- A. I/O bursting
- B. I/O throttling
- C. I/O threshold
- D. I/O saturation

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 108**

An administrator notices one of the VMs hosting an application server is consuming more CPU resources over time. As a result, the host is running near 90% CPU capacity at peak time. Which of the following is the BEST method to alleviate this issue while minimizing downtime?

- A. Online storage migration
- B. Online migration to a new host
- C. Upgrade the host CPU to increase resources
- D. Add a new virtual CPU

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 109**

An administrator has logically grouped several VMs and configured settings describing the minimum memory requirement for the group. This is a description of which of the following?

- A. Resource mapping
- B. Resource pooling
- C. Storage limits
- D. Logical volume manager

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 110**

A company has two datacenters in different cities. When one of the datacenters loses power, there is near instant failover to the other datacenter. This is an example of which of the following?

- A. Warm site
- B. Hot site
- C. Offsite storage
- D. Backup

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 111**

An administrator has noticed that a 500MB file is taking over three hours to move over a 10Gbps link. Which of the following is MOST likely responsible for this performance?

- A. Bandwidth
- B. Compression
- C. Caching
- D. Latency

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 112**

Which of the following locations would a system engineer MOST likely place a NAS storage device for VM image files?

- A. In the same subnet as the associated hypervisors
- B. Outside of the external router
- C. In a remote datacenter for geographic diversity
- D. Behind a LUN mask to maximize obfuscation

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 113**

A VM that is generally used for development is tested quarterly on other hypervisors to validate sideways compatibility. Which of the following migrations does this describe?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 114**

A client was unable to connect to the cloud provider for over an hour on Saturday. Which of the following is the FIRST thing an operations manager should check?

- A. SLA
- B. Business continuity plan
- C. OLA
- D. Contract with the cloud provider

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 115**

In order for a company to transition to a cloud solution, which of the following should the company check FIRST before transitioning? (Select TWO).

- A. Service level agreements
- B. IT operations policy
- C. Business needs
- D. Company stock performance
- E. Virtual desktop environment

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 116**

Which of the following is an example of a customer solely renting computing resources?

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

**Correct Answer:** A

**Section:** (none)

## **Explanation**

### **Explanation/Reference:**

Explanation:

### **QUESTION 117**

Which of the following is true about Type I hypervisors?

- A. They run on bare metal hardware
- B. They are open source only
- C. They depend on an underlying OS
- D. They are proprietary only

**Correct Answer: A**

**Section: (none)**

## **Explanation**

### **Explanation/Reference:**

Explanation:

### **QUESTION 118**

Which of the following technologies should be used to reduce the disk footprint of a VM?

- A. Defragmentation
- B. Full disk encryption
- C. Thin-provisioning
- D. NTFS compression

**Correct Answer: C**

**Section: (none)**

## **Explanation**

### **Explanation/Reference:**

Explanation:

### **QUESTION 119**

A hypervisor host that has two fibre-channel ports needs to be connected to a storage array that has four fibre-channel ports. How many zones should be created for maximum redundancy?

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

**Correct Answer: B**

**Section: (none)**

## **Explanation**

### **Explanation/Reference:**

Explanation:

### **QUESTION 120**

ARP is used to resolve IP addresses to:

- A. WWPN addresses.

- B. MAC addresses.
- C. IQN addresses.
- D. FQDN addresses.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 121**

An administrator wants to repurpose server hardware to host hypervisors. The administrator must FIRST:

- A. install the hypervisor on the bare metal servers.
- B. check the servers configuration against the hardware vendors HCL.
- C. check the servers configuration against the hypervisor vendors HCL.
- D. install the OS and then enable the hypervisor function.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 122**

VM templates should have their default account passwords changed upon deployment to prevent:

- A. Access by the administrator.
- B. Access to the Internet.
- C. Access by former IT employees.
- D. Access denial.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 123**

Which of the following may be used to provide certificate management within an organization?

- A. SSH
- B. IPSec
- C. Kerberos
- D. PKI

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 124**

In which of the following situations would a network administrator optimize a company's WAN?

- A. High amounts of packet loss on a switch port
- B. CPU utilization on a switch is at 95%
- C. Installed new local application on a private network
- D. Contracted with a SaaS provider to provide a new application

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 125**

Joe, a network administrator, is working with the security team to determine who deleted files from a file share. Which of the following would the security team ask Joe to provide during the security review?

- A. Packet logs
- B. Syslogs
- C. Network logs
- D. Audit logs

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 126**

A financial storage system will be required by law to retain copies of checks for up to two years. Which of the following would be suited to meet this requirement?

- A. SSD
- B. USB drive
- C. FCIP
- D. CAS

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 127**

Which of the following would need to be consistent for a LUN to be considered healthy?

- A. Metadata
- B. Structure
- C. Superblock
- D. inode

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 128**

Which of the following is used for keeping track of all logical and physical data?

- A. BSD
- B. Flat File Systems
- C. Non Journaling File System
- D. Journaling File System

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 129**

An administrator has been tasked with the collection of all errors and events on the servers. These must be centralized and emailed directly from the central server. Which of the following is the BEST solution?

- A. LDAP server
- B. RADIUS server
- C. SYSLOG server
- D. DHCP server

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 130**

A storage array is shared with other departments. An administrator would like to ensure that no other department performs backups on the LUNs. Which of the following could be used to mitigate this? (Select TWO).

- A. VTL
- B. Licensing
- C. ACLs
- D. Compression
- E. RBAC

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 131**

An administrator has enabled NPIV and has configured the SAN for SAN boot; however, SAN boot fails intermittently. Which of the following, if configured incorrectly, could cause the issue?

- A. LUN Masking
- B. Storage cluster
- C. Zoning
- D. WWPN

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 132**

An administrator has three VMs and each has been allocated two virtual CPUs. VM1 and VM2 have CPU shares set to normal priority. VM3 has CPU shares set to high priority. All three VMs are running CPU intensive workloads and begin to contend for CPU resources. If VM1 and VM2 are effectively given 1600 MHz each, which when combined represents 50% of the available processing power, VM3 will be given:

- A. 1600 MHz.
- B. 1800 MHz.
- C. 2400 MHz.
- D. 3200 MHz.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 133**

An administrator allocates 50GB on a SAN for use by a server. Which of the following describes what the administrator has just created?

- A. Virtual SAN
- B. Storage array
- C. VMFS
- D. LUN

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 134**

Anne, an administrator, receives an alert indicating a disk failure on a highly available server with a local RAID 5 array. When checking the server, Anne confirms a flashing amber light on one of the disks. Which of the following is the correct procedure for replacing this drive?



- A. Remove the old drive, reboot the server, and access the RAID controller. Rebuild the array to RAID 6, and then add the new drive for parity.
- B. Remove the old disk while the server is powered on and operational and replace with a new drive.
- C. Remove the old drive, reboot the server, and access the RAID controller. Rebuild the array to RAID 1, and then add the new drive for parity.
- D. Power off the server and replace with a new drive.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 135**

Joe, a system administrator, has noticed that a remote facility has entries in his 3-year-old slave LDAP server that has not been updated from its master in about a month. Which of the following failures is MOST likely to have occurred?

- A. Replication from the master site to the remote site has failed.
- B. Replication has not been configured.
- C. Replication to the master site from the remote site has failed.
- D. There is high latency on the replication connection.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 136**

A system administrator has a distribution switch with four uplinks to the core switch in a single aggregated link. The aggregated link requires all four connections to be up to function. Which of the following is this MOSTLY an example of?

- A. Fault tolerance with multipathing
- B. Load balancing with high availability
- C. Load balancing without high availability
- D. High availability with multipathing

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 137**

A system administrator has a pool of employees using VMs that have a low business value. Which of the following would MOST likely be an appropriate allocation of host resources for this pool?

- A. Limiting the amount of virtual drive space, CPU use, and memory allocation the pool can use.
- B. Reserving the number of virtual NICs, VHBAs, and licenses the pool can use.
- C. Reserving the amount of virtual drive space, CPU use, and memory allocation the pool can use.

D. Limiting the number of virtual NICs, VHBAs, and licenses the pool can use.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 138**

A system administrator can no longer easily control a remote hypervisor because the workstation's mouse is broken. Which of the following remote access tools is the system administrator using?

- A. Local console port
- B. RDP
- C. Telnet
- D. SSH

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 139**

An administrator is tasked with writing the company disaster recovery plan in the event the hosting company experiences a catastrophe. Which of the following should be included? (Select TWO).

- A. Fire safety signage
- B. Fire exits
- C. Door closures and time-delay door alarm
- D. Risk assessments
- E. Contingency plan and test protocols

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 140**

An administrator is designing a VM cluster to support a new testing department in the company. This department will require high availability and the ability to migrate VMs with little impact to other network functions within the department. The infrastructure available for the department supports a 1GB internal backbone upon which virtual switches are being configured. Which of the following network designs would meet the criteria for the department?

- A. Assign the migration VLAN, management VLAN and storage VLAN on one virtual switch port and a client VLAN on a separate virtual switch port
- B. Assign the migration VLAN, management VLAN and client VLAN on one virtual switch port and assign the storage VLAN on a separate virtual switch port
- C. Assign the migration VLAN and client VLAN on one virtual switch port, and the management VLAN and storage VLAN on one virtual switch port
- D. Assign the migration VLAN, management VLAN, client VLAN and storage VLAN all on separate virtual

switch ports

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 141**

A Chief Information Officer (CIO) has established a budget for the IT department that allows for 30% of the company's IT infrastructure to be upgraded on an annual basis. The engineer in the IT department must identify which equipment requires immediate attention for upgrades, which equipment can function in the near term, and which equipment can be considered in the long term for upgrades. Which of the following describes the policy the engineer must develop?

- A. Configuration management plan
- B. System management plan
- C. Asset maintenance plan
- D. Life cycle management plan

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 142**

An administrator is building a sandbox environment. There is one host assigned to the resource pool with eight CPU cores available. There will be two highly utilized, identical virtual application servers and three virtual desktops running in this environment. One of the virtual desktops will be running a new management application for the environment. Which of the following is the BEST recommended configuration for the sandbox environment?

- A. Configure the management virtual desktop with three CPUs, and the other virtual desktops with one CPU each; configure one application with two CPUs and the other application server with one CPU
- B. Configure the application servers with two CPUs each; configure two virtual desktops with one CPU each and two CPUs for the management virtual desktop
- C. Configure the virtual desktops with two CPUs each; configure the application servers with one CPU each
- D. Configure one application server with three CPUs and the other with two CPUs; configure the virtual desktops with one CPU each

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 143**

A network engineer is investigating slow response times for queries to a cloud-hosted database. The switch configurations show that there are several traffic bottlenecks. Which of the following should the engineer implement to BEST solve the problem and prevent future issues?

- A. Add a router to the network to increase traffic paths

- B. Migrate the cloud-hosted database to a type II hypervisor
- C. Configure QoS on the network switches to alleviate bottlenecks
- D. Configure QoS on the virtual desktop

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 144**

The administrator of an organization needs to configure a VM to be able to communicate on the physical network connected to the host. Which of the following steps **MUST** the administrator perform?

- A. Bridge the virtual NIC
- B. Create a route on the virtual router
- C. Assign the virtual NIC to the same virtual switch as the host
- D. Assign the virtual NIC to the same VLAN as the host

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 145**

Which of the following **BEST** describes the process of mapping storage initiators to targets?

- A. Access control lists
- B. Zoning
- C. LUN masking
- D. Obfuscation

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 146**

Which of the following describes a best practice for placement of VM swap files in a virtualized environment?

- A. Place them on the same datastore as the OS
- B. Place them on the same datastore as the data
- C. Place them on their own datastore
- D. Place them on the local disk of the VM host

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 147**

A new WAN connection was recently installed between the primary datacenter and secondary datacenter for disaster recovery purposes. The network technician performed testing of the circuit and observed poor throughput performance. Which of the following is MOST likely the cause?

- A. Latency
- B. NIC failure
- C. Caching
- D. Compression

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 148**

Requiring all SaaS vendors to perform updates to systems within the customers datacenter is an example of which of the following types of cloud delivery services?

- A. Off premise hosting
- B. On premise hosting
- C. Orchestration platforms
- D. Hybrid delivery models

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 149**

Which of the following is bridged and sends packets on the wire with its own unique MAC address?

- A. Virtual PBX
- B. Virtual Switches
- C. VLAN
- D. Virtual NIC

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 150**

Which of the following cloud services provides application isolation?

- A. DaaS
- B. BPaaS

- C. CaaS
- D. SaaS

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 151**

Which of the following types of virtual components performs Layer 3 functions between networks in a virtualized environment?

- A. Virtual switch
- B. Virtual router
- C. Virtual NIC
- D. Virtual HBA

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 152**

Which of the following types of storage technologies uses fiber channel protocols?

- A. SAN
- B. DAS
- C. iSCSI
- D. NAS

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 153**

A network administrator was tasked with creating several new subnets which will support 30 virtual hosts per subnet. Which of the following VLANs below would be used to support those hosts?

VLAN 100 192.168.1.0/30  
VLAN 200 192.168.1.0/29  
VLAN 300 192.168.1.0/26  
VLAN 400 192.168.1.30/32

- A. 100
- B. 200
- C. 300
- D. 400

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 154**

Users report that they are unable to access the Internet. The network administrator notices spikes of traffic during the outage reports. Which of the following will MOST likely need to be upgraded to allow more traffic and will help avoid further outages?

- A. MAN connections
- B. Bandwidth
- C. Latency
- D. LAN connections

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 155**

Users report that they are unable to access a virtual server. Which of the following commands would allow the network administrator to verify the current network settings within the virtual server?

- A. nbtstat
- B. tftp
- C. telnet
- D. arp
- E. ping
- F. ipconfig

**Correct Answer: F**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 156**

Which of the following protocols uses port 53, by default?

- A. DNS
- B. FTP
- C. NTP
- D. DHCP

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 157**

A network administrator needs to manage a virtual switch remotely in a secure manner. Which of the following tools would MOST likely be used?

- A. RDP
- B. SNMP
- C. SSH
- D. Telnet

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 158**

Which of the following is an access control type that requires a username and password along with a hardware token?

- A. SSO
- B. Single-factor
- C. RBAC
- D. ACL
- E. Multifactor

**Correct Answer: E**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 159**

The IT department has had problems coping with the demand of service provisioning and deprovisioning. If the IT department implements a cloud computing platform, which of the following would improve their productivity?

- A. On-demand self-service
- B. Multi-tenancy
- C. Scalability
- D. Elasticity

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 160**

A company wants to streamline their reporting tools. They have decided to implement a third party SaaS cloud reporting tool to process additional data, but will continue to process confidential data internally. Which of the following deployment models is BEST suited for the company?



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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 161**

Which of the following mitigates newly found vulnerabilities within software for an environment?

- A. Patching
- B. Clustering
- C. Elasticity
- D. Scaling

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 162**

Joe, an administrator, is searching through directories on his multi-tenant cloud environment when he notices he is able to access a directory holding another company's data. Which of the following should be implemented to mitigate this issue?

- A. On-premise hosting
- B. Off-premise hosting
- C. Hashing
- D. Data segregation

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 163**

Which of the following would be the FIRST choice to encrypt a laptop hard drive?

- A. DES
- B. TDE
- C. AES
- D. SSL

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 164**

Which of the following would be the FIRST thing to do after determining an upgrade is required for a production application server?

- A. Perform the upgrade
- B. Notify the application users of the upgrade
- C. Submit a change request
- D. Schedule a maintenance window

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 165**

Which of the following refers to the maximum amount of data that can be lost due to a system failure?

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 166**

A company that provides cloud-based storage services wants to ensure that if underlying hard disk drives are sent to the disposal facility, they will not contain any data in clear-text format. Which of the following should be done to accomplish this task?

- A. Implement degaussing
- B. Ensure that ACLs are configured on users' data
- C. Implement full-disk encryption
- D. Fill disk with random data before disposal

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 167**

A company that provides IaaS to small business organizations needs to allow customers to control the power state of their virtual machines. Which of the following should be implemented to accomplish this task?

- A. Grant limited access to the hypervisor management interface
- B. Grant limited access to the host power managing infrastructure
- C. Allow Wake-on-LAN packets on the firewall
- D. Configure customers VMs to be in an always-on state

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 168**

An administrator is planning to implement multipathing for IP-based storage. Which of the following protocols can be used in this configuration?

- A. NFS
- B. iSCSI
- C. FC
- D. FCoE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 169**

Which of the following, in conjunction with IPSec, can be configured to provide secure access to files on a NAS?

- A. iSCSI
- B. CIFS
- C. FCoE
- D. SSH

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 170**

A system administrator is planning storage infrastructure to store backup copies of virtual machines that are at least 5GB in size. Which of the following file systems can be used in this scenario? (Select TWO).

- A. SMB
- B. RAW
- C. EXT
- D. FAT
- E. NTFS

**Correct Answer:** CE

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 171**

Which of the following can be used to enable out-of-band management of a Windows-based host?

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 172**

An administrator notices that the mouse does not perform as expected within a VM. Which of the following might improve the performance of the mouse?

- A. Install a 64-bit OS within the guest.
- B. Enable USB port mapping.
- C. Replace the mouse on the host server.
- D. Install the virtualization guest software.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 173**

A recently deployed VM is running a Human Resource (HR) application on the HR network. Workstations in the accounting department can access the Internet and other accounting servers, but are unable to ping the new VM. Which of the following must be enabled for the accounting department to access this HR application?

- A. The computers must be granted read rights to the VM.
- B. Replace the accounting workgroup switch.
- C. VLAN routing should be enabled on the router.
- D. Disable port security on the HR workgroup switch.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 174**

An administrator deployed a VM that is hosting an internal website. Users report they are unable to access the

new website. Which of the following should the network administrator do to test whether web traffic is being sent and received?

- A. Browse to any website
- B. Ping the VMs IP address
- C. Ping the VMs loopback address
- D. Telnet to port 80

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 175**

Which of the following would be used to advertise a public IP address on redundant WAN circuits?

- A. BGP
- B. UDP
- C. OSPF
- D. ICMP

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 176**

A company has deployed a website which is mirrored at a secondary datacenter. Which of the following should be changed to route users to the secondary datacenter in case of a primary site failure?

- A. Virtual address
- B. DNS record
- C. ARP table
- D. Disaster recovery plan

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 177**

A security administrator is being hired to perform a penetration test of a third-party cloud provider as part of an annual security audit. Which of the following is the FIRST step that must be performed?

- A. Attempt known exploits
- B. Scan for vulnerabilities
- C. Research publicized incidents
- D. Get written permission

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 178**

A bare metal hypervisor runs:

- A. On a virtual database server.
- B. On a virtual machine.
- C. Directly on a physical machine.
- D. On top of another operating system.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:



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