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Exam Name: CompTIA Cloud+ Certification Exam

Pass Guide
IT Certification • Exam Materials
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

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

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

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
QUESTION 5
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 6
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 7
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 addition vNIC
D. Set the vNIC speed to full-duplex

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
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 9
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 10
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
QUESTION 11
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

QUESTION 12
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

QUESTION 13
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

QUESTION 14
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 15  
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 16  
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 17  
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
QUESTION 18
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

QUESTION 19
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

QUESTION 20
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

QUESTION 21
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 22
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 23
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 24
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.
QUESTION 25
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

QUESTION 26
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

QUESTION 27
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
QUESTION 28
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
C. Multi-tenancy
D. Reservations

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
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 30
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 31
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 32
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 33
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 34
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 35
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 36
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 37
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 38
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
QUESTION 39
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

QUESTION 40
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

QUESTION 41
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
QUESTION 42
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 43
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 44
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 45
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:
QUESTION 46
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

QUESTION 47
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

QUESTION 48
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
QUESTION 49
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 50
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 51
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 52
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
QUESTION 53
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

QUESTION 54
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

QUESTION 55
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
QUESTION 56
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

Explanation:

QUESTION 57
Which of the following hypervisors will allocate resources MORE efficiently?

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

Correct Answer: A

Explanation:

QUESTION 58
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

Explanation:
QUESTION 59
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:

QUESTION 60
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:

QUESTION 61
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:
QUESTION 62
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

QUESTION 63
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

QUESTION 64
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:
QUESTION 65
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

QUESTION 66
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

QUESTION 67
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

QUESTION 68
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
QUESTION 69
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

Explanation/Reference:
Explanation:

QUESTION 70
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

Explanation/Reference:
Explanation:

QUESTION 71
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

Explanation/Reference:
Explanation:
QUESTION 72
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

QUESTION 73
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

QUESTION 74
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

QUESTION 75
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 76
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 77
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 78
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
QUESTION 79
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

QUESTION 80
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

QUESTION 81
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

QUESTION 82
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 83  
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 84  
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 85  
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
QUESTION 86
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

QUESTION 87
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

QUESTION 88
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

QUESTION 89
Which of the following may be used to provide certificate management within an organization?

A. SSH
B. IPSec
C. Kerberos
D. PKI
QUESTION 90
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 91
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 92
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 93
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:**

**QUESTION 94**
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:**

**QUESTION 95**
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:**

**QUESTION 96**
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 97
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 98
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 99
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:
QUESTION 100
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

QUESTION 101
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

QUESTION 102
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

QUESTION 103
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 104
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 105
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 106
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:

QUESTION 107
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:

QUESTION 108
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:
QUESTION 109
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

QUESTION 110
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

QUESTION 111
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

QUESTION 112
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 113
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 114
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 115
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
QUESTION 116
Which of the following protocols uses port 53, by default?

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

Correct Answer: A  
Section: (none)  
Explanation

QUESTION 117
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

QUESTION 118
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

QUESTION 119
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 120
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 121
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 122
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
QUESTION 123
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

QUESTION 124
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

QUESTION 125
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

QUESTION 126
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 127**  
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 128**  
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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