

CompTIA

Exam Questions CV0-002

CompTIA Cloud+ Exam



NEW QUESTION 1

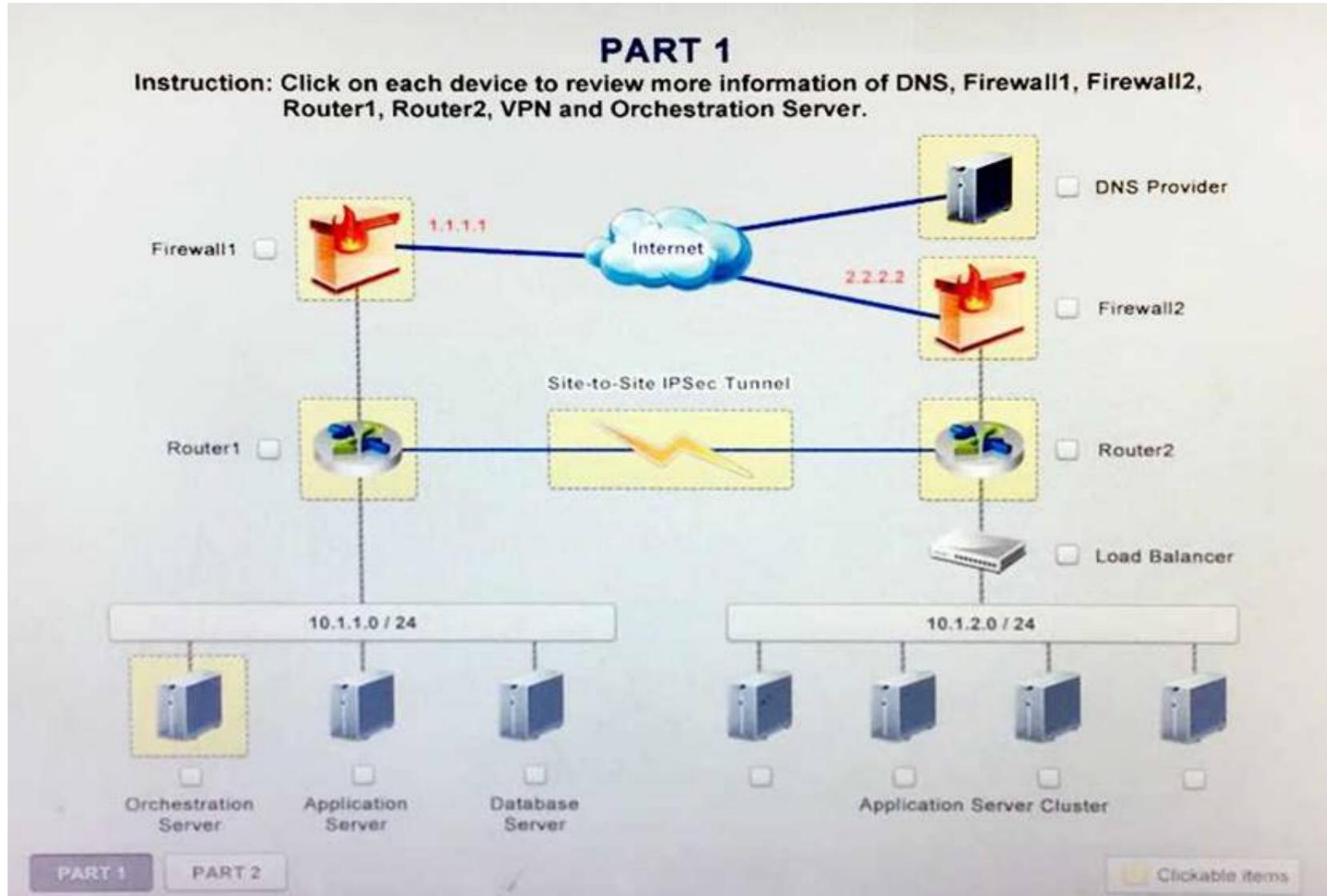
CORRECT TEXT

A company has decided to scale its e-commerce application from its corporate datacenter to a commercial cloud provider to meet an anticipated increase in demand during an upcoming holiday. The majority of the application load takes place on the application server under normal conditions. For this reason, the company decides to deploy additional application servers into a commercial cloud provider using the on-premises orchestration engine that installs and configures common software and network configurations. The remote computing environment is connected to the on-premises datacenter via a site-to-site IPSec tunnel. The external DNS provider has been configured to use weighted round-robin routing to load balance connections from the Internet. During testing, the company discovers that only 20% of connections completed successfully. Review the network architecture and supporting documents and fulfill these requirements: Part1:

1. Analyze the configuration of the following components: DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestrator Server.

2. Identify the problematic device(s). Instructions:
 If at any time you would like to bring back the initial state of the simulation, please select the Reset button. When you have completed the simulation, please select the Done button to submit. Once the simulation is submitted, please select the Next button to continue.

Simulation



PART 1

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

Source	Destination	Port
any	1.1.1.1	80,443
10.1.1.0/24	any	any
any	any	deny

PART 1

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

Router1 Configuration

Public IP: 1.1.1.1
 Internal IP: 10.1.1.1/24

Site-to-Site VPN Configuration

Address Space: 10.1.1.0/24
 Subnet: 255.255.255.0
 PSK: Cloud001
 IKE: SHA1/AES256/DH2/SA Lifetime: 28800

PART 1

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

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

Clickable items

PART 1

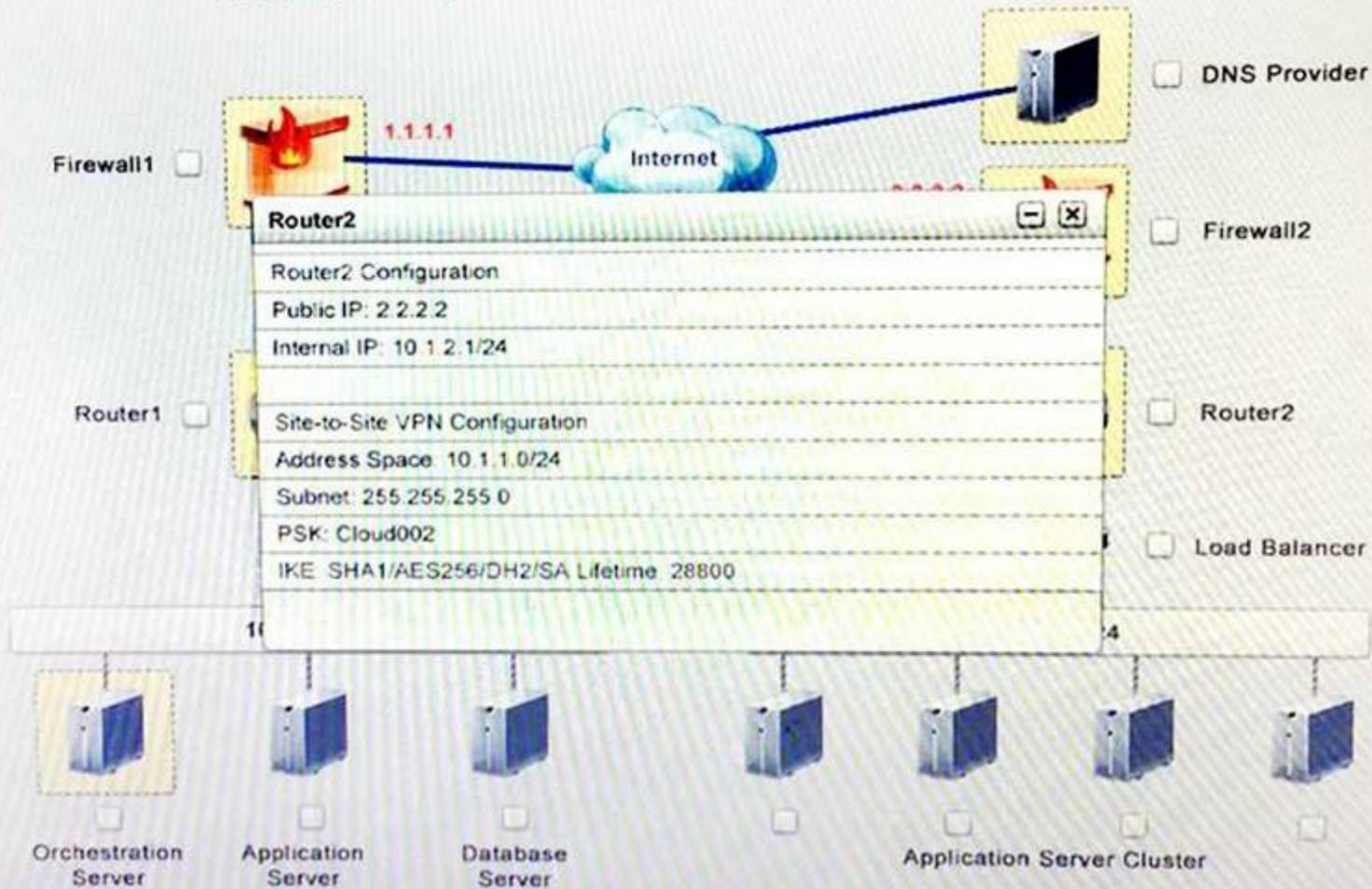
Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestration Server.

Source	Destination	Port
any	2.2.2.2	80,443
10.1.2.0/24	any	any
any	any	deny

Clickable items

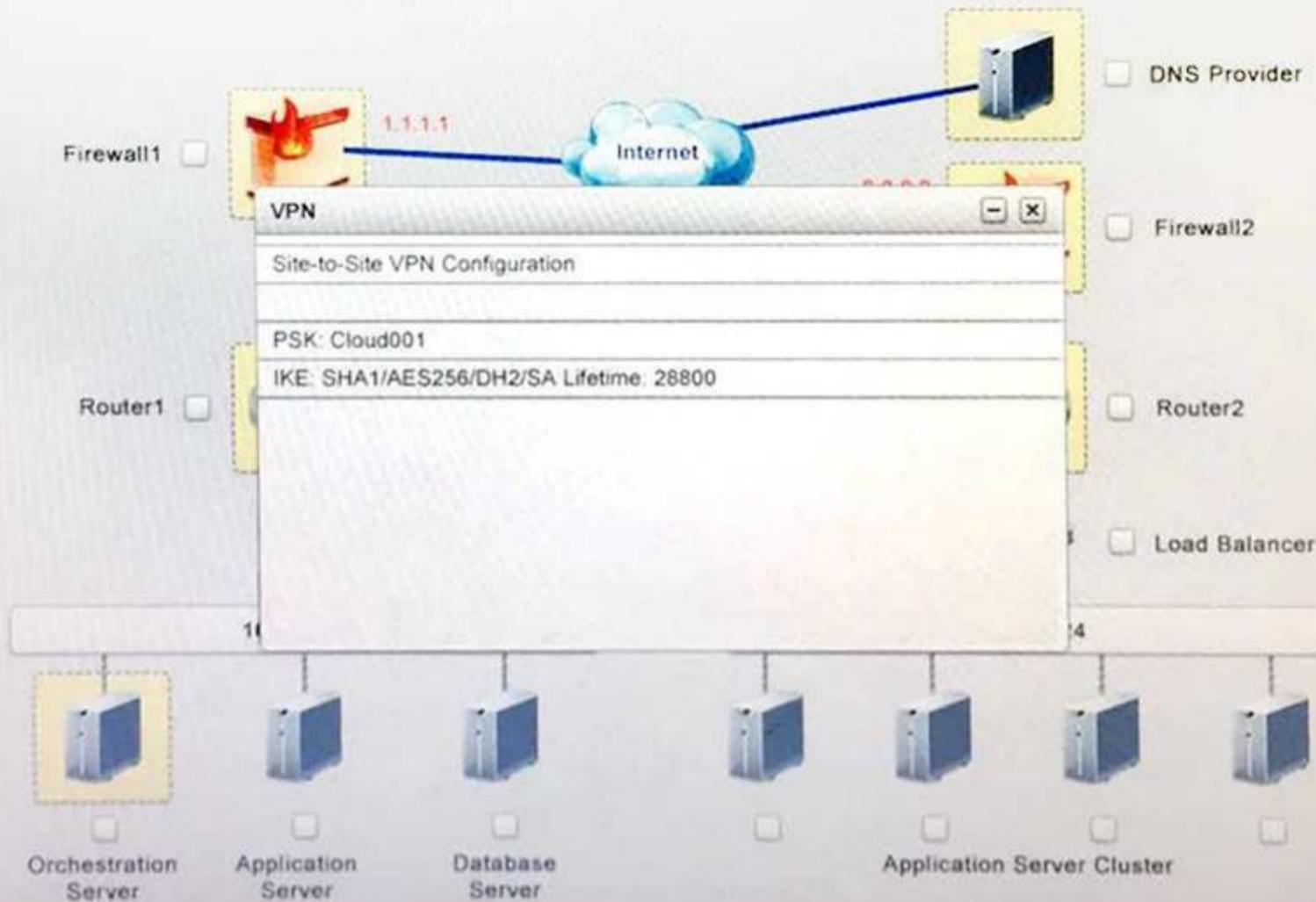
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Orchestration Server

Name:	Basic_Server
Network:	10.1.1.0/24
Name:	Cloud_Server
Network:	10.1.2.0/24
Name:	Application_Server
Baseline:	Basic_Server
Type:	Webserver
Version:	1.0

Orchestration Server Application Server Database Server Application Server Cluster

PART 1 PART 2 Clickable items

Router1, Router2, VPN and Orchestration Server.

Orchestration Server

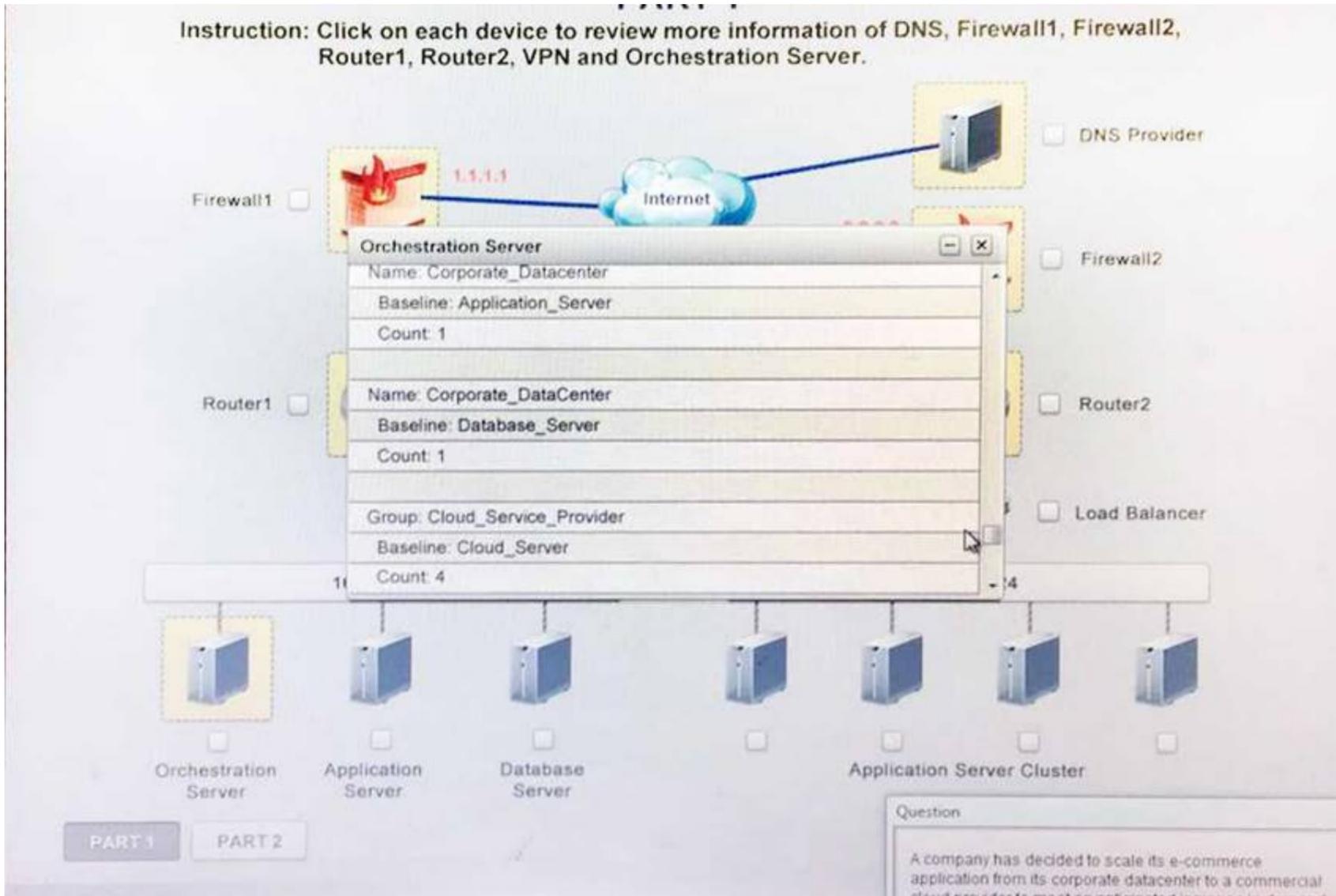
Baseline:	Basic_Server
Type:	Database Server
Version:	1.0
Name:	Corporate_Datacenter
Baseline:	Application_Server

Orchestration Server Application Server Database Server Application Server Cluster

PART 1 PART 2

Question

A company has decided to scale its e-commerce application from its corporate datacenter to a commercial

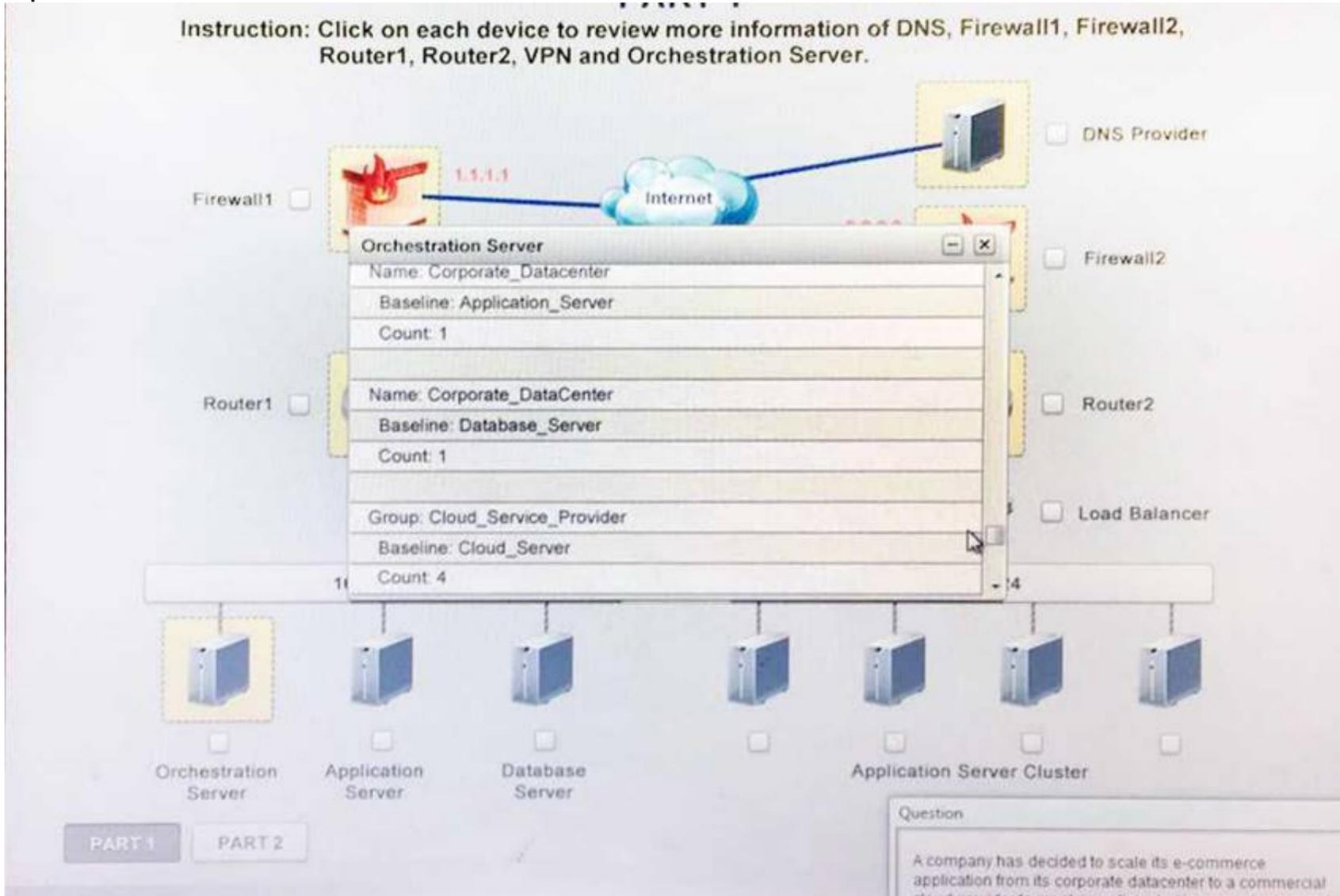


Solution given below with details.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 2

A cloud administrator is provisioning five VMs, each with a minimum of 8GB of RAM and a varying

load throughout the day. The hypervisor has only 32GB of RAM. Which of the following features should the administrator use?

- A. Memory overcommitment
- B. Thin-provisioned model
- C. Process scheduling
- D. Hyperthreading

Answer: C

NEW QUESTION 3

A cloud engineer is using a hosted service for aggregating the logs for all the servers in a public cloud environment. Each server is configured via syslog to send its logs to a central location. A new version of the application was recently deployed, and the SaaS server now stops processing logs at noon each day. In reviewing the system logs, the engineer notices the size of the logs has increased by 50% each day. Which of the following is the MOST likely reason the logs are not being published after noon?

- A. The logging directory does not have sufficient storage space.
- B. The syslog service is not running on the servers.
- C. The data limit has been exceeded at the SaaS provider.
- D. There is a cloud service provider outage.

Answer: A

NEW QUESTION 4

The legal department requires eDiscovery of hosted file shares. To set up access, which of the following is the BEST method to ensure the eDiscovery analyst only has the ability to search but not change configuration or settings?

- A. PKI
- B. SSO
- C. MFA
- D. RBAC

Answer: D

NEW QUESTION 5

A cloud implementation engineer successfully created a new VM. However, the engineer notices the new VM is not accessible from another network. A ping test works from another VM on the same subnet. Which of the following is the MOST likely problem?

- A. Incorrect subnet
- B. Incorrect host IP address
- C. Incorrect VLAN
- D. Incorrect gateway

Answer: A

NEW QUESTION 6

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

- A. Forward the email to the systems team distribution list and provide the compromised user list.
- B. Click on the URL link to verify the website and enter false domain credentials.
- C. Change the encryption key for the entire organization and lock out all users from using email until the issue is remediated.
- D. Notify users who received the email to reset their passwords regardless of whether they click on the URL.

Answer: C

NEW QUESTION 7

Which of the following is the BEST way to ensure accounts in a cloud environment are disabled as soon as they no longer need to be active?

- A. Have the user contact the cloud systems administrator to disable the account when it is no longer needed.
- B. When users leave the company, ensure an account disablement request is initiated and will be fulfilled in less than four hours.
- C. Have accounts checked by the cloud systems administrator once per day to ensure active accounts are still valid.
- D. Reboot directory services servers once a day to ensure all account disablement requests are committed.

Answer: A

NEW QUESTION 8

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

- A. Access the API of the encryption server, develop a custom script, and then update all endpoints.
- B. Access the web UI portal of the encryption server, apply the update to the test group, validate, and then update all endpoints.
- C. Add the update to the standard desktop configuration image, apply the update to a test VM, and then reimagine clients.
- D. Access the web UI of the encryption server and disable preboot, apply the update, test, and then deploy the update to all endpoints.

Answer: B

NEW QUESTION 9

A recent advertisement campaign has increased traffic to an e-commerce application that is hosted within a public cloud environment. Customers are reporting that it takes too long to load their pages and submit orders. A cloud administrator looks at the metrics from the environment and sees high utilization of the CPU and memory resources. The cloud provider offers several preconfigured sizes for server template: x-small, small, medium, large, x-large, and 2x-large.

Server Name	Role	Server Template Size	Peak CPU Usage	Peak Memory Usage
Inxw001	web	medium	40%	45%
Inxpc002	application	2x-large	85%	90%
Inxpc003	application	x-large	95%	95%
Inxpc004	application	2x-large	85%	85%

Given an expected increase in workload, which of the following is the BEST solution to improve application performance?

- A. Change the server template size for Inxpc003 to 2x-large.
- B. Provision additional Inxpc servers using the 2x-large template.
- C. Add memory to Inxpc002, Inxpc003, and Inxpc003.
- D. Change the role of Inxw001 from web to application.

Answer: A

NEW QUESTION 10

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

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

Answer: D

NEW QUESTION 10

A business is demanding faster IT services turnaround from its IT groups. The current lead time between request and delivery is three weeks for a task that would take a competitor two days. An architect is asked to develop a solution to reduce the lead time of the request while ensuring adherence to the company policies. Which of the following is the BEST approach to achieve the stated objective?

- A. Document the desired state, complete a root cause analysis, and execute the flow.
- B. Revise the schedule, implement a waterfall methodology, and flatten the network.
- C. Identify deficiencies, optimize change management, and automate the workflow.
- D. Follow the company policies, execute the flow, and document results.

Answer: A

NEW QUESTION 12

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

- A. Configure the agent configuration file to log to the syslog server.
- B. Configure sniffing mode on database traffic.
- C. Implement built-in database tracking functionality.
- D. Implement database encryption and secure copy to the NAS.

Answer: B

NEW QUESTION 16

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

- A. SOAP
- B. SAML assertion
- C. Security token
- D. Identity provider
- E. Session state

Answer: ABE

NEW QUESTION 21

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

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

- B. Enable two-factor authentication on connections to the database server and log activities.
- C. Activate memory encryption on the virtual server and store the certificates remotely.
- D. Create a virtual encrypted disk, add it to the virtual server, and have the database write to it.

Answer: A

NEW QUESTION 23

A cloud administrator is tasked with ensuring redundancy and high availability of an IaaS cloud platform environment. The administrator is given the following requirements:

Two web servers must share the same configurations and service client connections evenly. Two database servers must share data and configurations, with only one being used at a time.

Given the above, which of the following should the administrator propose to BEST meet these requirements? (Select TWO).

- A. The web server should be configured with a round-robin DNS with a CNAME record.
- B. The web server should be configured with a load balancer with a virtual IP address.
- C. The database server should be configured as an active-active cluster.
- D. The database server should be configured as an active-passive cluster.
- E. The availability aspect of the request does not currently exist in the IaaS cloud platform.
- F. The redundancy aspect of the request does not currently exist in the IaaS cloud platform.

Answer: AD

NEW QUESTION 28

A cloud administrator has finished building a virtual server template in a public cloud environment.

The administrator is now cloning six servers from that template. Each server is configured with one private IP address and one public IP address. After starting the server instances, the cloud administrator notices that two of the servers do not have a public IP address. Which of the following is the MOST likely cause?

- A. The maximum number of public IP addresses has already been reached.
- B. The two servers are not attached to the correct public subnet.
- C. There is no Internet gateway configured in the cloud environment.
- D. The two servers do not have enough virtual network adapters attached.

Answer: D

NEW QUESTION 29

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

- A. Cloud bursting
- B. Load balancing
- C. Horizontal scaling
- D. Vertical scaling

Answer: A

NEW QUESTION 31

A company changed its policy to have seven-year data retention in the public cloud. Which of the following would be the MOST cost-effective way to meet retention requirements?

- A. Site mirroring
- B. Automated archiving
- C. Replication
- D. Third-party sites

Answer: B

NEW QUESTION 34

A large finance firm processes three times as many transactions in December of each year. The transactions are processed in a private cloud. Management wants to avoid adding permanent resources to accommodate the single month increase. Which of the following is the BEST way to meet the need?

- A. Migrate all transaction processing to a public cloud and size capacity for the largest seasonal needs.
- B. Keep current capacity for processing, but implement cloud bursting to auto scale the resources without having to invest in infrastructure.
- C. Determine usage patterns over time and virtualize the processing traffic to give room for seasonal changes in resource demand.
- D. Determine usage patterns for the seasonal capacity needs and add physical resources to allow additional processing.

Answer: B

NEW QUESTION 37

A hospital is deploying a web-based application in its private cloud to service multiple facilities in a region. This application is used by employees of the hospital, as well as the patients and their families. Which of the following security configurations is MOST likely to be deployed to secure the information from the application?

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

Answer: D

NEW QUESTION 42

After deploying multiple copies of database servers, data scrambling is started on them to anonymize user data

- A. A few minutes later, the systems administrator receives multiple complaints regarding the performance of other VM
- B. CPU and memory have been eliminated as possible bottleneck
- C. Which of the following should be verified NEXT as a possible bottleneck?
- D. Storage array
- E. Database drivers
- F. Hardware load balancer
- G. Internet connection speed

Answer: B

NEW QUESTION 46

A cloud administrator is configuring a bastion host. The bastion host will be used to administer systems in the cloud remotely from the administrator's on-premises desktop. The administrator is given the following requirements:

Ensure port 22 is open on the host and only allow the public IP of the on-premises router/firewall. Ensure port 3389 is open on the host and only allow the public IP of the on-premises router/firewall. Harden these services with PKI (where applicable).

Given this scenario, which of the following should the administrator utilize to BEST address these requirements? (Select THREE).

- A. RDP protocol from the desktop to the bastion host
- B. Telnet protocol from the desktop to the bastion host
- C. SSH protocol from the desktop to the bastion host
- D. MD5 and RC4 with a signed certificate
- E. RSA and AES with a signed certificate
- F. Blowfish and SHA-1 with a signed certificate
- G. VNC protocol from the desktop to the bastion host

Answer: ACD

NEW QUESTION 48

After scheduled network maintenance, users report that an externally hosted web application is particularly slow to load. Small items on the page load such as text documents and markup, but larger multimedia files do not load. Which of the following is the MOST likely cause of the reported issues?

- A. Incorrect MTU in the network segment
- B. Misconfiguration of QoS settings
- C. Incorrect VLAN for the affected PCs
- D. Excessive latency on the local LAN segment

Answer: B

NEW QUESTION 49

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

- A. Start the console session to the VM; check network static routes; test the ping to default gateway and next hop; and reconfigure the gateway IP.
- B. Delete the VM; create a new flavor; turn on network service; add the new image to the templatemanager; and reinstantiate the VM using this new image.
- C. Delete the VM; check the IP assignment and planning; modify configuration in the deployment template; and instantiate the VM again using the new template.
- D. Assign new IPs to the newly created VMs by changing and running the deployment template; and check the connectivity on the cloud self-service portal afterward.

Answer: D

NEW QUESTION 50

A cloud service company is proposing a solution to a major sporting venue. The solution offers 99.999% availability during special events, which is proven through specialized testing. Which of the following techniques should be applied to confirm the high availability claimed by the company? (Select TWO.)

- A. Vulnerability testing
- B. Penetration testing
- C. Load testing
- D. Failover testing
- E. Integration testing

Answer: BD

NEW QUESTION 53

The following three hosts are being put into a virtualization cluster for a new project initiative:

	CPU Cores	CPU Clock Speed	Memory
Host 1	24	2GHz	256GB
Host 2	12	2GHz	256GB
Host 3	12	2GHz	256GB

As more VMs are deployed to the cluster, which of the following virtualization technologies is MOST likely to report an error with this configuration?

- A. High availability
- B. Ballooning
- C. Memory overcommitment
- D. Hyperthreading

Answer: B

NEW QUESTION 56

A cloud administrator updates the syslog forwarder configuration on a local server in production to use a different port. The development team is no longer receiving the audit logs from that server. However, the security team can retrieve and search the logs for the same server. Which of the following is MOST likely the issue?

- A. The development team is not looking at the correct server when querying for the logs.
- B. The security team has greater permissions than the development team.
- C. The audit logging service has been disabled on the server.
- D. The development team's syslog server is configured to listen on the wrong port.

Answer: B

NEW QUESTION 58

A cloud administrator is securing access to a VM using an IaaS cloud platform. The administrator must perform this task using an automated method, allow administrators to perform any method and expose any property of the VM, deny access for everyone else, and allow only read-only access to everyone else. Given this scenario, which of the following should the administrator use to BEST meet these requirements?

- A. jQuery
- B. JavaScript
- C. Java
- D. JSON

Answer: C

NEW QUESTION 63

IaaS users are reporting longer than expected wait times when accessing the virtual file repository. There are more than 2TB of free disk space, and vCPU and vRAM do not reach more than 75% utilization. In which of the following ways should the cloud systems administrator analyze this issue?

- A. Access the cloud services portal and increase the amount of available disk space by 25%.
- B. Access the cloud services portal and check the amount of CPU and RAM on the host machine.
- C. Access the cloud services portal and look at the historical performance numbers.
- D. Access the cloud services portal and check the security log for access denied requests.

Answer: B

NEW QUESTION 67

A cloud administrator has configured a connection between two virtual private cloud environments at a public cloud provider that are each in different accounts. The administrator has configured the accounts correctly so they can connect to each other's resources. Both cloud environments have policies that allow anyone from 0.0.0.0/0 on TCP port 22. The following table shows the network configuration information:

Virtual Private Cloud	IP Range	Server IP Address
Finance	10.250.40.0/24	10.250.40.100
Sales	10.250.48.0/24	10.250.48.214

However, the administrator is unable to establish an SSH connection from a server in 10.250.40.100 to 10.250.48.214. Which of the following is the MOST likely issue?

- A. The network ACL is not configured to allow SSH access.
- B. The IP configuration on one of the servers is incorrect.
- C. The administrator does not have sufficient credentials.
- D. The routing tables have not been updated correctly.

Answer: D

NEW QUESTION 68

A company uses SaaS and IaaS solutions from multiple cloud providers. Users report that this requires them to manage and remember multiple user accounts and passwords. Which of the following solutions should be implemented to fix this issue?

- A. SSO
- B. Federation
- C. Password synchronization
- D. Lowered password complexity
- E. Multifactor authentication

Answer: A

NEW QUESTION 70

A CSA needs to bring a client's public cloud site online at another location in the same region after a disaster. The RPO is eight hours, and the RTO is four hours. Which of the following is the BEST way to accomplish this goal?

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

Answer: C

NEW QUESTION 75

An e-commerce business recently experienced a two-hour outage from its hosted web service provider. According to the SLA, the business needs to determine how much data can be restored. On which of the following service-level components should the business focus?

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

Answer: C

NEW QUESTION 79

A physical server with SSD drives that hosts an IO-intensive database has been migrated into a private cloud to ensure further growth possibilities and accommodate quarterly load spikes (up to 10,000 IOPs). The requirement is to have log partition latency below 5ms and data partition latency below 10ms, irrespective of the load spikes. A cloud administrator has conducted extensive tests after the migration. Which of the following test results would ensure the migration is successful?

A

	5000 IOPs	10,000 IOPs
Log partition read latency	4ms	5ms
Log partition write latency	1ms	1ms
Data partition read latency	6ms	8ms
Data partition write latency	1ms	1ms

B

	5000 IOPs	10,000 IOPs
Log partition read latency	4ms	5ms
Log partition write latency	1ms	1ms
Data partition read latency	6ms	11ms
Data partition write latency	800us	900us

C

	5000 IOPs	10,000 IOPs
Log partition read latency	4ms	5ms
Log partition write latency	800us	900us
Data partition read latency	10ms	12ms
Data partition write latency	800us	900us

D

	5000 IOPs	10,000 IOPs
Log partition read latency	4ms	5ms
Log partition write latency	10ms	10ms
Data partition read latency	10ms	10ms
Data partition write latency	10ms	10ms

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

NEW QUESTION 81

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

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

Answer: AD

NEW QUESTION 85

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

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

Answer: D

NEW QUESTION 88

An administrator has created a new virtual server according to specifications and verified that TCP/IP settings are correct. When the VM is powered on, however, an error message indicates that a network card MAC address conflict exists. Which of the following would resolve this issue?

- A. Remove the virtual NIC and configure another one.
- B. Add an additional NIC with a loopback interface.
- C. Ping the IP address to determine the location of the conflict.
- D. Change the MAC to ff:ff:ff:ff:ff:ff and obtain a new address.

Answer: A

NEW QUESTION 90

An administrator has recently added a new host server to a private cloud environment. The host has two quad-core processors and 128GB of RAM. The server will have ten guest servers that require a minimum of 1 CPU and 8GB of RAM per server. Four of the servers will only be used during off hours. Which of the following should the administrator implement to ensure that the guest servers have the proper resources?

- A. Dynamic CPU
- B. Redundancy
- C. NIC Teaming
- D. Dynamic RAM

Answer: A

NEW QUESTION 95

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

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

Answer: B

NEW QUESTION 98

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

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

Answer: B

NEW QUESTION 102

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

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

Answer: A

NEW QUESTION 106

The administrator wants to have central storage for all of the files to be stored for each VM. Which of the following is used to connect a host to a SAN utilizing a fiber connection?

- A. VNIC
- B. NIC
- C. HBA
- D. SCSI adapter

Answer: C

NEW QUESTION 109

A company is migrating their physical servers to virtual. The administrator is tasked with migrating three servers:

One application server with a dual-core 3.2GHz processor that reaches 50% CPU utilization at peak time.

Two web servers, each with a dual-core 3.2GHz processor, both reaching 70% CPU utilization at peak time.

Currently, the administrator only has two hosts available, so resources will need to be set for the new VMs. Each host has two 2.4GHz quad-core processors. One host is already near maximum capacity, and the second host is at 30% CPU utilization.

Which of the following would be the BEST minimum CPU resources set on the second host for the new VMs?

- A. 1,600 MHz for the application server and 2,300 MHz for each web server.
- B. 3,300 MHz for the application server and 4,600 MHz for each web server.
- C. 3,300 MHz for the application server and 5,250 MHz for each web server.
- D. 5,250 MHz for the application server and 7,080 MHz for each web server.

Answer: A

NEW QUESTION 113

Which of the following can be used to assign priority to specific network traffic?

- A. Load balancing
- B. QoS
- C. NIC teaming
- D. Jumbo frames

Answer: B

NEW QUESTION 114

Which of the following network topologies should an administrator use to segment traffic?

- A. Metropolitan Area Networks
- B. Local Area Networks
- C. Virtual Local Area Networks
- D. Wide Area Networks

Answer: C

NEW QUESTION 115

A company is building a new server cluster to host applications for external clients. The company

wants to ensure high availability and maximum throughput, and requests that the server administrators configure teamed interfaces on all servers in the cluster. In this scenario, a teamed interface refers to:

- A. link aggregation
- B. elasticity on demand
- C. a TCP offload engine
- D. resource pooling

Answer: A

NEW QUESTION 116

Which of the following should be implemented to ensure email continuity is not disrupted if one of multiple datacenters experiences an outage?

- A. Geo-clustering
- B. Offsite backup
- C. Local load balancing
- D. Multipathing

Answer: D

NEW QUESTION 121

Every night a datacenter takes snapshots of each VM and backs them up to a tape which is shipped off to a disaster recovery site once a week. Which of the following can mitigate a security breach if the tapes were to fall out of the shipping vehicle during transport?

- A. Transmission level encryption
- B. Transport layer encryption
- C. Hard drive encryption
- D. File level encryption

Answer: C

NEW QUESTION 126

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

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

Answer: B

NEW QUESTION 130

A storage appliance has lost all network access. Which of the following network access methods could a storage engineer use to investigate and correct the issue?

- A. HTTP
- B. Console port
- C. RDP
- D. SSH

Answer: D

NEW QUESTION 134

Which of the following reduces the amount of data that must be transmitted on a network by keeping a copy of recently transmitted data in memory?

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

Answer: C

NEW QUESTION 139

Which of the following is commonly the MAIN concern in public cloud implementations?

- A. Security
- B. Flexible Billing
- C. Scalability
- D. Availability

Answer: A

NEW QUESTION 143

The system administrator created a file sharing service to the cloud for easier access for those working remotely. Which of the following tests should be performed to determine if services can be compromised?

- A. Test storage
- B. Test latency
- C. Vulnerability assessment
- D. Penetration testing

Answer: D

NEW QUESTION 144

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

1. Run multiple mission critical applications.
 2. Generate and interpret large quantities of test data.
- The administrator will start with the standard company VM template.

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

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

E. Configure additional CPUs and storage

Answer: AB

NEW QUESTION 147

A company wants to ensure their website, which allows customers to purchase products, is in a cluster at another geographical location. Which of the following solutions does this represent?

- A. Differential backups
- B. Data deduplication
- C. Cold site
- D. High availability

Answer: C

NEW QUESTION 151

Some users are experiencing high latency when accessing their virtual desktops or retrieving saved documents. The administrator notices that two virtual desktops in the department are reserved for database processing applications that run several times a day. These machines are assigned to different hosts in the resource pool to provide a level of redundancy. Which of the following is the BEST course of action to remedy the situation?

- A. Enable memory ballooning on the hypervisors supporting the database desktops
- B. Enable I/O throttling on the hypervisors supporting the database desktops
- C. Allocate more memory to the affected users' virtual desktops and the database desktops
- D. Allocate more CPU resources to the affected users' virtual desktops

Answer: C

NEW QUESTION 156

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

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

Answer: D

NEW QUESTION 161

A number of VMs in a host are experiencing processor contention, showing down operations Which of the following host hardware upgrade paths would yield higher VM performance, for the same VMs in the given hypervisor host?

- A. Replace CPUs to move from 32-bit architecture to 64-bit
- B. Replace CPUs to move from 64-bit architecture to 32-bit
- C. Replace CPUs to increase current core speed
- D. Replace CPUs to increase CPU core count

Answer: A

NEW QUESTION 163

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

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

Answer: C

NEW QUESTION 166

The Chief Information Officer (CIO) has established the requirement to limit data loss to within two hours of a disaster. Which of the following terms describes this requirement?

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

Answer: B

NEW QUESTION 170

Tenants in a shared datacenter environment are concerned with the privacy of their data as it moves from the application to the database servers in clear text. Which of the following can the provider implement to isolate tenants' data?

- A. Bandwidth hard limits

- B. Reservations
- C. Resource pooling
- D. VLANs

Answer: D

NEW QUESTION 173

Which of the following is used by storage tiering to meet SLAs?

- A. RBAC
- B. Rules sets
- C. Policies
- D. Cron jobs

Answer: A

NEW QUESTION 178

Which of the following is used to connect a VM to a SAN?

- A. vNIC
- B. vRouter
- C. vLAN
- D. vHBA

Answer: C

NEW QUESTION 181

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

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

Answer: A

NEW QUESTION 182

An administrator has enabled monitoring for a new tenant environment. The administrator checks 24 hours after the new environment has been added and sees data for other tenants' environments but no data for the new environment. Which of the following has **NOT** been properly configured?

- A. SNMP Community String
- B. SNMP Destination IP Address
- C. SNMP Manager IP Address
- D. SNMP Trap

Answer: D

NEW QUESTION 186

Which of the following will use ICMP to successively check hops between the source and destination?

- A. traceroute
- B. netstat
- C. dig
- D. route

Answer: A

NEW QUESTION 187

Which of the following techniques would be used to deliver SLA performance guarantees for a VM in a virtual environment? (Select two.)

- A. Licensing
- B. Mirroring
- C. Resource pooling
- D. Memory ballooning
- E. Reservations

Answer: BC

NEW QUESTION 190

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

- A. Clustering

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

Answer: C

NEW QUESTION 192

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

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

Answer: A

NEW QUESTION 196

For budget purposes, the accounting department has asked an administrator to provide a disaster recovery solution that will comply with the following requirements:

- Systems have to be operational within two days
- No disaster will be declared if the primary site is fully operational within 24 hours

Which of the following is the BEST solution the administrator can propose to the accounting department?

- A. Warm site
- B. Cold site
- C. Hot site
- D. Mirrored site

Answer: A

NEW QUESTION 197

A virtual machine snapshot is:

- A. a backup copy of the virtual machine.
- B. a revertible point in time of the virtual machine.
- C. an exact copy of the virtual machine.
- D. an image of the virtual machine.

Answer: B

NEW QUESTION 200

After an administrator deployed a private cloud a couple of years ago, users have started reporting that the network is getting slower. The administrator looks at the monitoring tools and notices that, even though supernetting was used to allow for 8,000 more VMs, the most utilized switch port in the datacenter is only using 40% of its total throughput speed. Which of the following is MOST likely the problem?

- A. The number of VMs using 1Pv4 is causing the network to crash.
- B. Each host only has two links to the network, and they are becoming saturated.
- C. The network only has 4Gbps HBAs when all cloud networks should be using 10Gbps.
- D. There are too many devices broadcasting on the subnet.

Answer: D

NEW QUESTION 204

Which of the following is a hardening technique that an administrator would perform when creating a standard VM template that would be used for deploying servers in a production environment?

- A. Create a standard user account
- B. Disable unneeded services
- C. Establish a performance baseline
- D. Follow change management process

Answer: D

NEW QUESTION 207

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

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

Answer: D

NEW QUESTION 211

A hypervisor that prevents vendor lock-in is:

- A. a proprietary hypervisor.
- B. an integrated hypervisor.
- C. an open source hypervisor.
- D. a framework hypervisor.

Answer: C

NEW QUESTION 212

An organization allows clients to retrieve information on earthquake events. This is a description of which of the following classifications?

- A. XaaS
- B. DaaS
- C. CaaS
- D. SaaS

Answer: A

NEW QUESTION 216

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

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

Answer: A

NEW QUESTION 221

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

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

Answer: A

NEW QUESTION 222

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

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

Answer: B

NEW QUESTION 227

When working with hypervisors configured in a highly available configuration that provides fail-over capabilities to virtualized servers and applications, which of the following requirements is commonly overlooked?

- A. Correct storage allocation
- B. Correct CPU allocation
- C. Correct memory allocation
- D. Correct licensing allocation

Answer: D

NEW QUESTION 230

Joe, an administrator, has cloned a new virtualized application server. The new application server runs for several months and meets performance expectations. After building a second application server from the clone, Joe receives a few reports that the second server is too slow. Which of the following should Joe use FIRST to determine expected server performance?

- A. NIC throughput monitoring tools
- B. Baseline documentation
- C. HBA throughput monitoring tools
- D. Change management database

Answer: B

NEW QUESTION 232

Which of the following is a benefit of virtualization in a cloud environment?

- A. Decrease in the scalability of services
- B. Decrease in the time to implement certain services
- C. Decrease in the amount of resource pooling for services
- D. Increase in the time to service for certain services

Answer: B

NEW QUESTION 235

An administrator is tasked with the virtualization of all database management applications. Which of the following should the administrator do FIRST to ensure that database performance will be optimal?

- A. Follow the recommendations of the database management application vendor.
- B. Design a physical to virtual migration plan of the application.
- C. Adhere to the recommendations of the virtualization software vendor.
- D. Develop a migration plan to the new environment, ensuring maximum uptime.

Answer: C

NEW QUESTION 239

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