

# Exam Questions CV0-002

CompTIA Cloud+ Exam

<https://www.2passeasy.com/dumps/CV0-002/>



#### NEW QUESTION 1

A company is seeking a new backup solution for its virtualized file servers that fits the following characteristics:

The files stored on the servers are extremely large. Existing files receive multiple small changes per day. New files are only created once per month.

All backups are being sent to a cloud repository.

Which of the following would BEST minimize backup size?

- A. Local snapshots
- B. Differential backups
- C. File-based replication
- D. Change block tracking

**Answer: B**

#### Explanation:

Reference:

<https://www.acronis.com/en-us/blog/posts/tips-tricks-better-business-backup-and-recovery-world-backup-day>

#### NEW QUESTION 2

A cloud administrator is receiving alerts that the disk on several systems is 90% full. Upon reviewing

the systems, the administrator determines that the log directory is using 50% of the disk. The company has a 14-day retention policy for all logs. Which of the following is the BEST solution to implement to minimize future alerts?

- A. Orchestrate a job to rotate the logs and upload to external storage.
- B. Delete any log files in the directory that are larger than 20MB.
- C. Archive the existing logs in the directory and upload to external storage.
- D. Add additional storage space to the log directory for the servers.

**Answer: A**

#### NEW QUESTION 3

A multinational corporation needs to migrate servers, which are supporting a national defense

project, to a new datacenter. The data in question is approximately 20GB in size. The engineer on the project is considering datacenters in several countries as possible destinations. All sites in consideration are on a high-speed MPLS network (10Gb+ connections). Which of the following environmental constraints is MOST likely to rule out a possible site as an option?

- A. Downtime impact
- B. Legal restrictions
- C. Peak time frames
- D. Bandwidth

**Answer: B**

#### NEW QUESTION 4

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 5

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

- A. SAML
- B. NTLM
- C. MFA
- D. PKI

**Answer: A**

#### NEW QUESTION 6

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

shows the disks average 90% full at all times. The contents of the file server consist mostly of compressed audio files. Multiple copies of the same files are often saved in different locations on the same disk. Which of the following storage technologies is MOST likely to help minimize storage utilization when moving this server to the private cloud?

- A. Compression
- B. Thin provisioning
- C. Deduplication
- D. Tokenization

**Answer: C**

#### NEW QUESTION 7

A company wants to take advantage of cloud benefits while retaining control of and maintaining compliance with all its security policy obligations. Based on the non-functional requirements, which of the following should the company use?

- A. Hybrid cloud, as use is restricted to trusted customers
- B. IaaS, as the cloud provider has a minimal level of security responsibility
- C. PaaS, as the cloud customer has the most security responsibility
- D. SaaS, as the cloud provider has less security responsibility

**Answer:** B

#### NEW QUESTION 8

An administrator is deploying a new application platform with the following resource utilization:

Resource	Total Capacity	Current Usage
DISK	1.5TB	1300GB
IOPS	5000	3000
CPU	12GHz	8.5GHz
Network	10Gbps	3Gbps
RAM	256GB	90GB

Company policy requires that no resource utilization surpasses 80%. Which of the following resources will need to be upgraded prior to deployment?

- A. Disk
- B. IOPS
- C. CPU
- D. Network
- E. RAM

**Answer:** A

#### NEW QUESTION 9

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 10

A manufacturing company's current security policy mandates PII is not stored in the SaaS solution.

Which of the following configuration controls should be used to block sensitive information from being stored in the SaaS solution?

- A. Implement file-level encryption.
- B. Implement a network ACL.
- C. Implement an IPS.
- D. Implement content filtering.

**Answer:** B

#### NEW QUESTION 10

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

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

**Answer:** B

#### NEW QUESTION 15

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

- A. Statement
- B. Effect
- C. Resource
- D. Condition

**Answer:** A

#### NEW QUESTION 17

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

- A. Use the patch management tool to automate and orchestrate the patch installation.
- B. Use a security vulnerability scanning tool to apply the patch automatically.
- C. Schedule the patch to install from a remote file server upon server reboot.
- D. Connect the server instances to the Internet to download the patch automatically.

**Answer:** A

#### NEW QUESTION 19

A customer recently provisioned a new server on the IaaS. The IP address assigned from the pool resolves to another hostname. Some user traffic is being dumped or is causing slowness because of this issue. Which of the following maintenance activities does the provider need to perform to prevent this issue?

- A. Use cloud provider tools to remove orphaned resources.
- B. Initiate resource reclamation.
- C. Run a script to remove stale DNS entries.
- D. Update outdated security firewall configurations.

**Answer:** C

#### NEW QUESTION 20

A development team released a new version of an application and wants to deploy it to the cloud environment with a faster rollback and minimal downtime. Which of the following should the cloud administrator do to achieve this goal?

- A. Use a rolling deployment to update all the servers in the PROD cloud environment with the new applicatio
- B. To switch to the previous version, repeat the process.
- C. Deploy the application to the PROD cloud environment and the previous version to Q
- D. To switch to the previous version, promote the QA environment to PROD.
- E. Deploy the application to a subset of servers in the environment and route traffic to these server
- F. To switch to the previous version, change the route to the non-updated servers.
- G. Deploy the application to a staging environment and force a failover to this environmen
- H. To restore the previous version, create a backup and restore from the previous night's backup.

**Answer:** A

#### NEW QUESTION 25

A university is running a DNA decoding project that will take seven years if it runs on its current internal mainframe. The university negotiated a deal with a large cloud provider, which will donate its cloud resource to process the DNA decoding during the low peak time throughout the world. Which of the following is the MOST important resource the university should ask the cloud provider to donate?

- A. A large storage for the DNA decoding results
- B. A larger pipe to transfer the results
- C. A closer datacenter to the university
- D. Any available compute resource

**Answer:** C

#### NEW QUESTION 26

A storage administrator must choose the best replication methodology for storage. The datacenters are on opposite sides of the country. The RPO is 24 hours. Replication and customer access use the same connections. Replication should not impact customer access during the day. Which of the following solutions would BEST meet these requirements?

- A. Asynchronous
- B. Regional
- C. Multiregional
- D. Synchronous

**Answer:** A

#### NEW QUESTION 30

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

- A. The default language on Ann's computer is German.
- B. The account was locked.
- C. Directory services are offline.
- D. There is an account mismatch.
- E. The account localization settings are incorrect.

**Answer:** E

#### NEW QUESTION 35

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 38

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

- A. Using a patch management system, identify the hypervisor type, select a group of hypervisors to be patched, and perform a rolling application of patches.
- B. Using a patch management system, identify the guests that require patching, and select and apply the patches.
- C. Using a patch management system, identify the applications needing the patch, select the required application in a patch management console, and apply the patches.
- D. Using a patch management system, identify the services that require patching, and select and apply the patches.

**Answer:** A

#### NEW QUESTION 40

A customer wants to schedule a backup job that compares and saves changes from the last full backup. Which of the following backup types should be used?

- A. Differential
- B. Full
- C. Clone
- D. Incremental

**Answer:** A

#### Explanation:

Reference:

<http://www.backup4all.com/kb/backup-types-115.html>

#### NEW QUESTION 43

A company security policy mandates education and training for new employees. The policy must outline acceptable use policies for SaaS applications. Given these requirements, which of the following security controls is BEST suited?

- A. Preventive
- B. Detective
- C. Corrective
- D. Physical

**Answer:** C

#### NEW QUESTION 45

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

- A. Document, configure, and enforce strong account management policies.
- B. Disable and document unneeded ports and protocols on the SaaS servers.
- C. Install antivirus and disable unneeded services on all SaaS servers.
- D. Harden the underlying infrastructure: servers, firewalls, and load balancers.

**Answer:** B

#### NEW QUESTION 50

A consultant is helping a large company migrate its development environment to a public cloud provider. The developers are working on a VDI solution. The development tools that employees utilize require greater control of the OS environment. Which of the following cloud types should the consultant implement?

- A. SaaS
- B. PaaS
- C. Bare metal service
- D. IaaS

**Answer:** D

#### NEW QUESTION 53

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 58

A cloud engineer notices on a dashboard that the host is close to reaching maximum capacity for the CPU and memory in the cloud environment, which could cause performance issues. The cloud environment has 100 servers, with 25% of the servers consuming their compute only during peak business hours, 25% consuming half of the allocated resources, and the remaining 50% using the compute during off hours. Which of the following should the engineer perform to optimize the efficiency of the compute usage in the cloud?

- A. Add additional CPUs and RAM to the host that is serving the cloud.
- B. Adjust the cloud workload by migrating resource-intensive applications to different hosts.
- C. Add additional hosts to the environment using the cloud management tool.
- D. Enable automatic scaling in the cloud management tool.

Answer: B

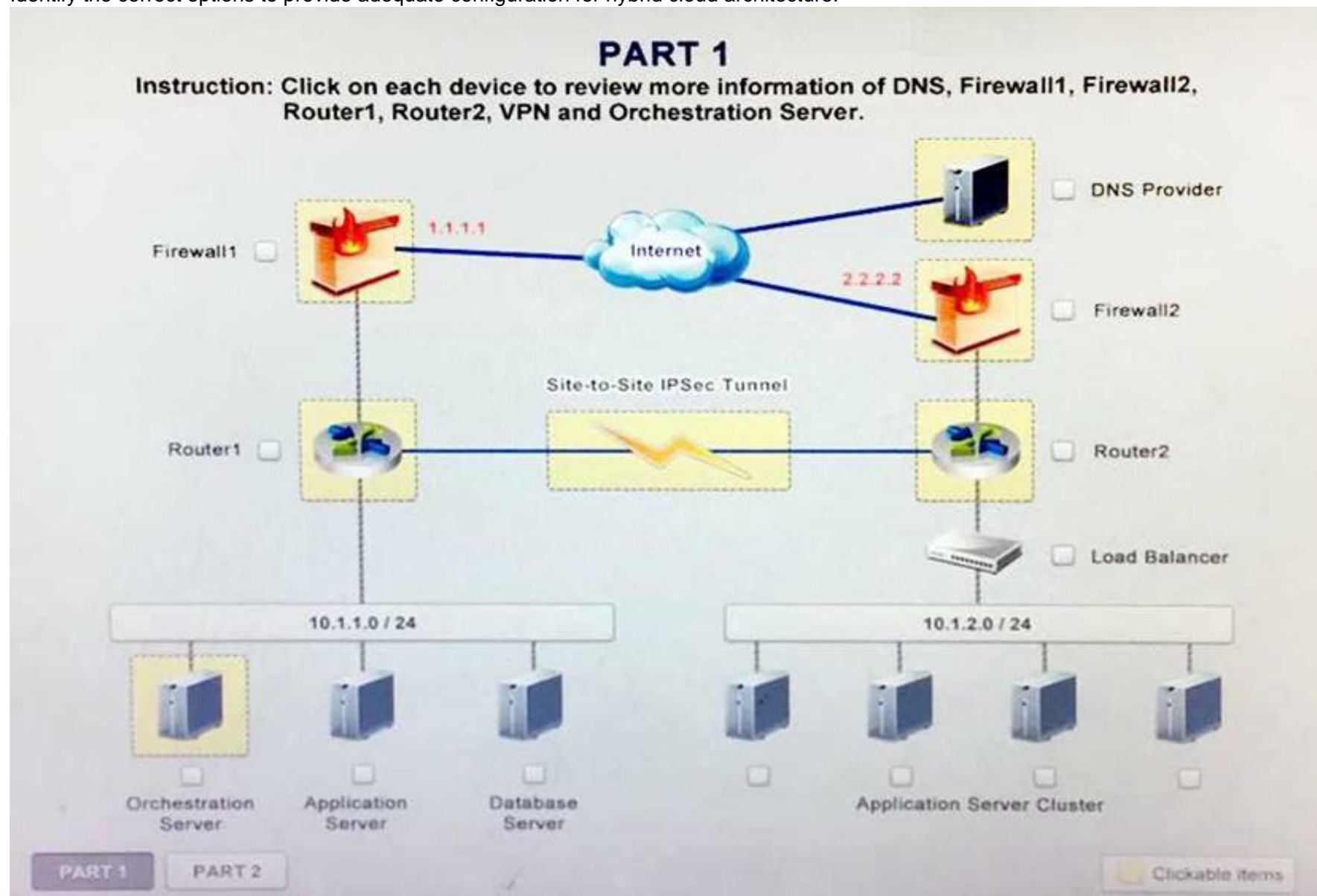
#### NEW QUESTION 59

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:

1. Analyze the configuration of the following components: DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestrator Server.
2. Identify the problematic device(s).

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



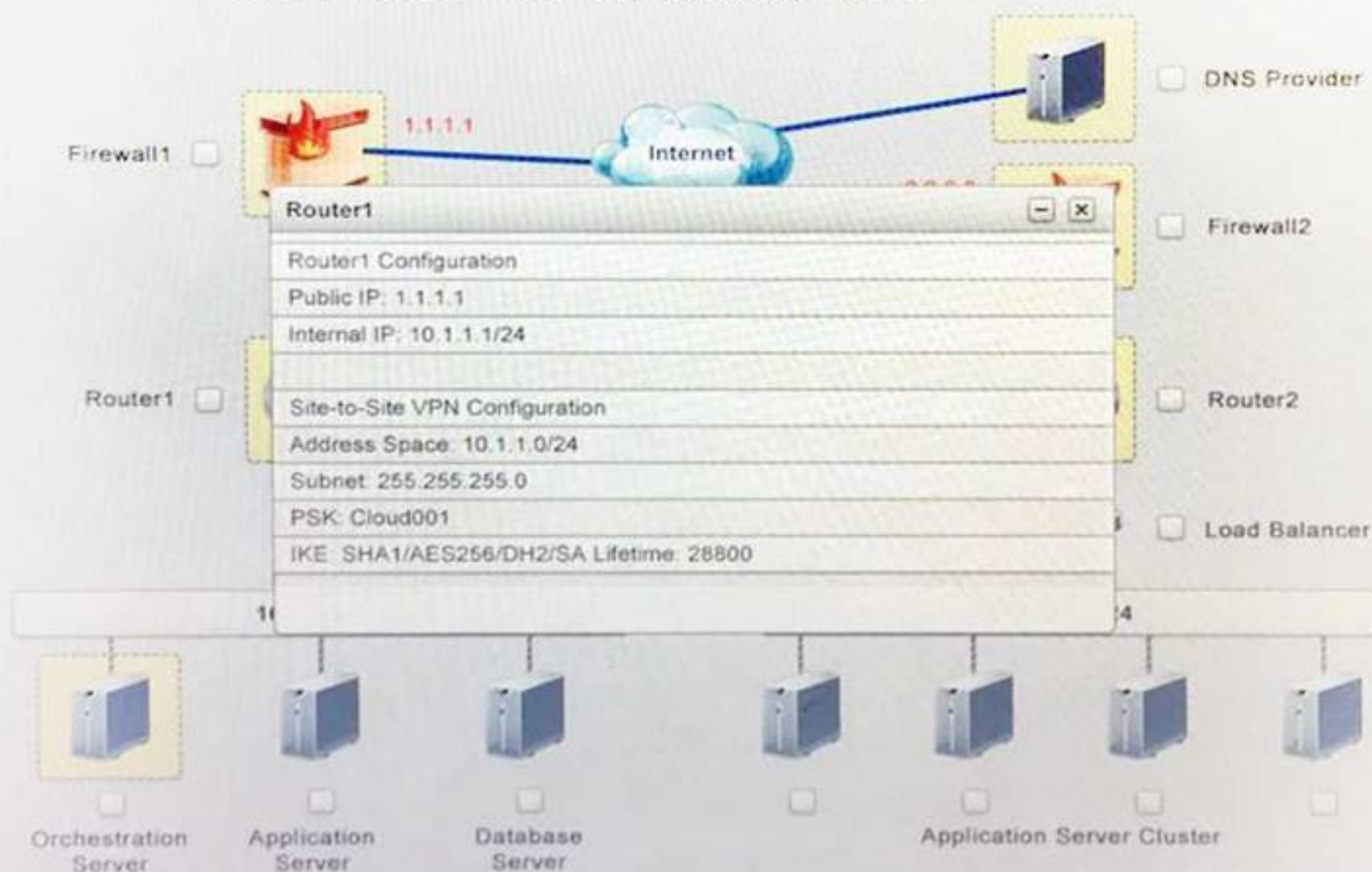
## PART 1

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

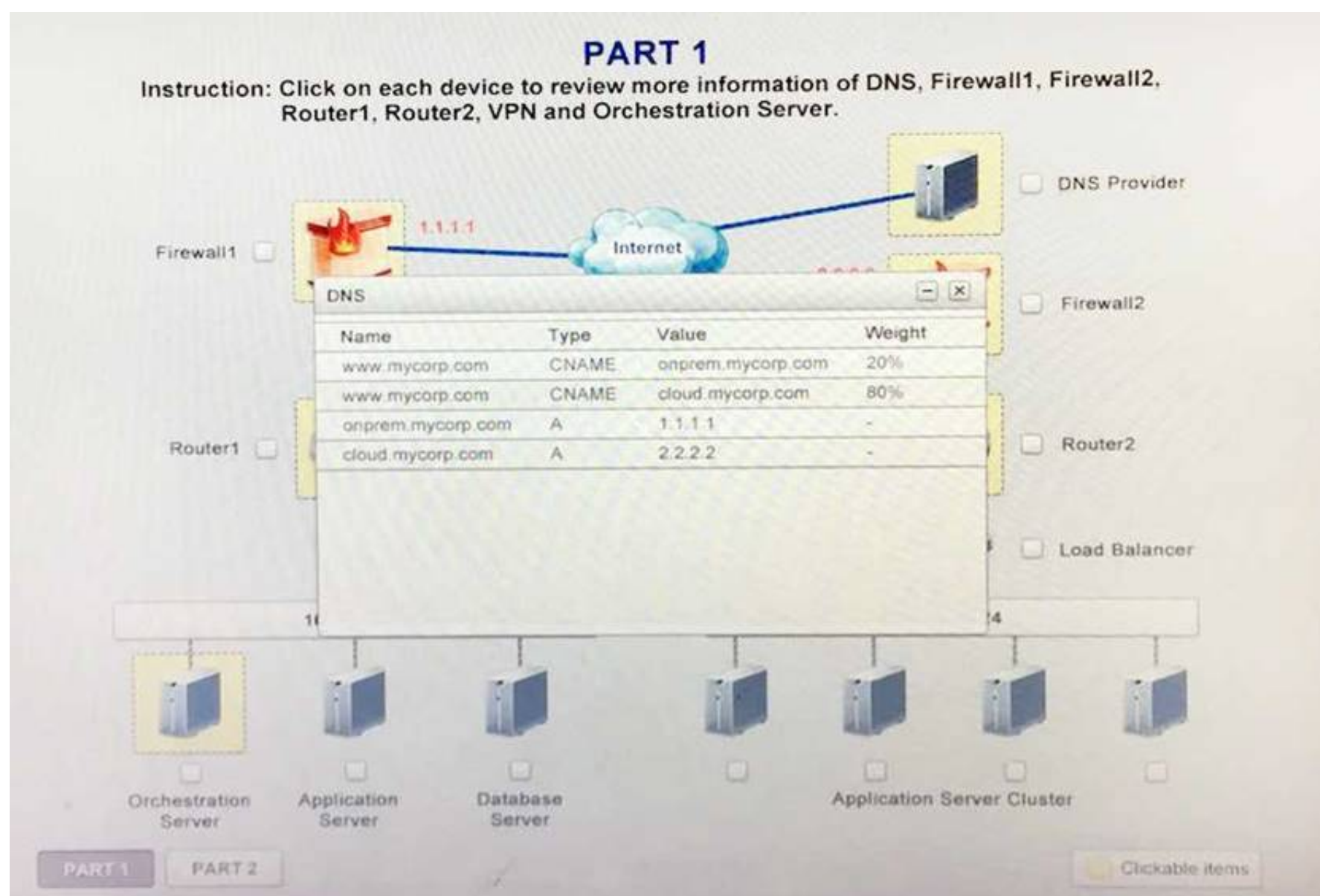


## PART 1

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







Instruction: Only select a maximum of TWO options from the multiple choice question

- A. Deploy a Replica of the Database Server in the Cloud Provider
- B. Update the PSK (Pre-shared key in Router2)
- C. Update the A record on the DNS from 2.2.2.2 to 1.1.1.1
- D. Promote deny All to allow All in Firewall1 and Firewall2
- E. Change the Address Space on Router2
- F. Change internal IP Address of Router1
- G. Reverse the Weight property in the two CNAME records on the DNS
- H. Add the Application Server at on-premises to the Load Balancer

**Answer:** AH

#### NEW QUESTION 63

A VM was deleted by mistake today at 11:05 a.m. Below are the backups currently available for the VM:

Backup Type	Date Time
Incremental	Today 00:00
Incremental	Yesterday 00:00
Synthetic-full	Yesterday 12:00
Full	Three days ago 00:00
Snapshot	Today 11:00
Snapshot	Today 07:00
Snapshot	Today 03:00

Crash-consistent restore is acceptable. Which of the following backups should be chosen?

- A. Snapshot from today at 11:00
- B. Full from three days ago at 00:00
- C. Incremental from today at 00:00
- D. Synthetic-full from yesterday at 12:00

**Answer:** A

#### NEW QUESTION 64

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 68

A cloud provider is evaluating an insider threat. A resource from the company operations team has access to the servers' virtual disks. This poses a risk that someone could copy and move the virtual server image and have access to the data. Which of the following solutions would help mitigate this problem?

- A. Tokenization
- B. Encryption
- C. Virtual firewall
- D. Hashing

**Answer:** A

#### NEW QUESTION 72

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

- A. Implement an upward vertical scaling solution.
- B. Implement a downward vertical scaling solution.
- C. Implement an inward horizontal scaling solution.
- D. Implement an outward horizontal scaling solution.

**Answer:** A

#### NEW QUESTION 74

A company is implementing a launchpad within an existing application that will point to an existing SaaS provider. One of the requirements is the user should not have to log on multiple times. SSO is in place. When the launchpad is used, the user is redirected to SaaS providers as designed, but is asked for login credentials. Which of the following is the MOST likely cause of this issue?

- A. Users do not exist within the SaaS provider.
- B. Group permissions are incorrect.
- C. Users do not exist in directory services.
- D. The federation is failing.

**Answer:** D

#### NEW QUESTION 79

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

- A. Application versions
- B. CPU utilization
- C. RAM utilization
- D. Operating system versions

**Answer:** B

#### NEW QUESTION 80

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 82

The CASB report indicates several unsanctioned SaaS applications are being used in an organization. Which of the following is the MOST likely cause?

- A. VPN bypass
- B. Shadow IT
- C. Web proxy bypass
- D. CAB approval

**Answer:** B

#### NEW QUESTION 85

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

- A. User synchronization
- B. Password synchronization
- C. Public federation
- D. Multifactor authentication

**Answer:** D

#### NEW QUESTION 87

A cloud administrator wants to apply patches in an isolated copy of the production virtual server to assess the impact. Which of the following activities would BEST achieve this objective?

- A. Clustering
- B. Snapshot
- C. Image backup
- D. Cloning

**Answer:** B

#### NEW QUESTION 91

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 96

A cloud administrator works for an online gaming company that is hosting its multiplayer servers in a public IaaS cloud. The following metrics are reported during a controlled beta test: RAM usage 80%  
Bandwidth usage 50% Average ping 800ms

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

- A. Scale the deployment of multiplayer servers by doubling the number of VMs.
- B. Increase network bandwidth on the multiplayer servers.
- C. Increase the RAM on the multiplayer servers.
- D. Deploy multiplayer servers in public cloud locations closer to the user base.

**Answer:** B

#### NEW QUESTION 98

In a private cloud environment, which of the following is the BEST way to update 20 VMs with the same patch that has been regression tested and approved for rollout?

- A. Automate the distribution of the patch and use an orchestration tool to roll it out.
- B. Roll out the patch manually to the 20 VMs and reboot the system.
- C. Deploy the patch to ten VMs for testing and then install it on the remaining VMs.
- D. Install the patch on as many VMs as possible during the next maintenance window.

**Answer:** D

#### NEW QUESTION 101

A company is looking for a hardware feature with the least amount of downtime in terms of firmware upgrades. Which of the following features BEST meet this requirement?

- A. In-service upgrades
- B. Rolling upgrades
- C. Failover upgrades
- D. User-mode upgrades

**Answer:** B

#### NEW QUESTION 105

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 107

Ann, the lead product developer for a company, just hired three new developers. Ann asked the cloud administrator to give these developers access to the fileshares in the public cloud environment. Which of the following is the BEST approach for the cloud administrator to take?

- A. Clone Ann's account to create three new developer accounts.
- B. Distribute the credentials of Ann's shared account to the three new developers.
- C. Copy the fileshares to each new developer's laptop.
- D. Create a new role to access the fileshares and assign the three new developers.

**Answer:** D

#### NEW QUESTION 108

A new startup company is growing and wants to deploy a human resources management system on a private cloud that is only accessible to the human resources department. Which of the following is the BEST method of access control?

- A. Discretionary access control
- B. Mandatory access control
- C. Non-discretionary access control
- D. Comprehensive access control

**Answer:** A

#### NEW QUESTION 110

An administrator is implementing a private cloud that will be used as a test environment. To limit the number of guests per subnet to a maximum of 14, the administrator implemented a /20 network. Which of the following should the administrator use to assign the networks?

- A. DHCP
- B. Subnet
- C. VLAN
- D. Gateway

**Answer:** A

#### NEW QUESTION 114

A Chief Information Officer (CIO) has summoned an administrator due to the datacenter power bill being significantly higher than normal. The administrator explains that a new array was installed for a 20TB CRM application. Which of the following solutions would provide a new performance benefit and also reduce power consumption?

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

**Answer:** A

#### NEW QUESTION 116

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

- A. IPS
- B. Blacklisting
- C. IDS
- D. Whitelisting
- E. Firewall

**Answer:** E

#### NEW QUESTION 118



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 and obtain a new address.

**Answer:** A

#### NEW QUESTION 122

An administrator is no longer receiving alerting messages from the web server platform that recently failed over to a new secondary datacenter due to a power failure. Which of the following is the cause of the problem?

- A. Port 21 is only allowed inbound at the primary datacenter
- B. Port 22 to the log server is blocked outbound
- C. Port 162 in DMZ is blocked inbound
- D. Port 162 in DMZ is blocked outbound

**Answer:** B

#### NEW QUESTION 127

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

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

**Answer:** C

#### NEW QUESTION 129

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 133

Which of the following cloud service models would be recommended to a company for hardware capacity to host a production database application?

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

**Answer:** D

#### NEW QUESTION 134

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 135

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 136

A company wants to be sure their cloud infrastructure is secure but fully available. To ensure this, the company wants to observe and be alerted in the event of a security breach, but chose a response for each alert. Which of the following solutions would meet these requirements?

- A. XaaS
- B. IDS
- C. PaaS
- D. IPS

**Answer:** B

#### NEW QUESTION 140

A new server is connected to the fibre channel switch. In order to allow the server to see its allocated storage on the storage array, the administrator must configure the server's WWNN as a member. The server administrator is configuring which of the following?

- A. Zoning
- B. LUN masking
- C. Supernetting
- D. VLAN tagging

**Answer:** A

#### NEW QUESTION 141

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 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 146

An administrator is configuring a website in the cloud. Which of the following secure network protocols should the administrator configure?

- A. HTTP
- B. IPSEC
- C. SSL
- D. SSH

**Answer:** C

#### NEW QUESTION 149

When a customer requests a VM to perform at higher levels the administrator should (Select two):

- A. increase the VMs vRAM.
- B. increase RAM on the host.
- C. migrate the VM to a faster online host.
- D. increase the VMs vCPU count.
- E. increase disk space.

**Answer:** AD

#### NEW QUESTION 153

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

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

**Answer:** C

#### NEW QUESTION 156

Which of the following network optimization techniques would be MOST appropriate for more efficient delivery of frequently accessed websites?

- A. Implementing load balancing
- B. Installing a caching server
- C. Placing devices on the same subnet
- D. Implementing compression on the web server

**Answer:** B

#### NEW QUESTION 158

A company has just completed a security audit and received initial results from the auditor. The results show that the ethical hacker was able to gain access to the company servers by exploiting non-hardened VMs and hosts as guests and administrators. Which of the following should be implemented to harden the environment? (Select two.)

- A. Discretionary access controls
- B. Disable unnecessary accounts
- C. Change default passwords
- D. Install antivirus software
- E. Role-based access controls

**Answer:** BE

#### NEW QUESTION 160

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

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

**Answer:** B

#### NEW QUESTION 164

A company has decided to replace hypervisors to reduce licensing costs. An administrator has been tasked with migrating VMs to the new hypervisor. Which of the following migration types will be used?

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

**Answer:** B

#### NEW QUESTION 169

A small software development company wants to provide four of their developers with the ability to create four or five VMs each. The company also wants to be able to share all of the VM images and snapshots on a NAS. Which of the following would meet these objectives at the lowest cost?

- A. Enterprise level hypervisor
- B. Workstation level hypervisor
- C. Bare metal hypervisor
- D. Type I hypervisor

**Answer:** A

#### NEW QUESTION 172

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 177

When is chargeback, when using private cloud infrastructure in a large company, helpful to an organization?

- A. When the company wants to allocate cost to a specific department.
- B. When the company needs to capitalize their cloud computing costs
- C. When the company needs a line of credit for a set amount of resources short term.
- D. When the company wants to charge the service provider for unused resources.

**Answer:** C



#### NEW QUESTION 180

A company is migrating to the cloud and needs to implement a security policy. Which of the following should the company implement?

- A. Redundancy strategy
- B. Integration strategy
- C. Disaster recovery strategy
- D. Patching strategy

**Answer:** C

#### NEW QUESTION 182

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

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

**Answer:** A

#### NEW QUESTION 183

A company that provides cloud-based storage services allows user authentication using third-party social network credentials. Which of the following should be implemented to accomplish this task?

- A. Multifactor authentication
- B. Virtual private network
- C. Federation
- D. Domain trusts

**Answer:** A

#### NEW QUESTION 188

The requirements for a web application state that it must be architected for high availability. The web application consists of front-end web server and back-end database server components respectively. Which of the following describes a solution that meets this requirement, while minimizing costs?

- A. One front-end web server and two clustered back-end database servers
- B. Two front-end web servers and two back-end database servers
- C. Two front-end web servers and one back-end database server
- D. Two load balanced front-end web servers and two clustered back-end database servers

**Answer:** D

#### NEW QUESTION 192

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

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

**Answer:** C

#### NEW QUESTION 196

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

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

**Answer:** A

#### NEW QUESTION 201

An administrator needs to over allocate storage on VMs in a development cluster. Which of the following storage practices will be followed?

- A. LUN masking
- B. Thin provisioning
- C. Thick provisioning
- D. FC zoning

**Answer:**

B

#### NEW QUESTION 205

Which of the following tests would be MOST appropriate when over allocate storage on VMs in a development cluster?

- A. Penetration testing
- B. Vulnerability scan
- C. Latency testing
- D. Bandwidth determination

**Answer: C**

#### NEW QUESTION 208

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 210

A technician is converting a company's physical server to a virtual server. Which of the following should the technician do before migrating? (Select two.)

- A. Assign server roles in the virtual environment.
- B. Perform and verify a full system backup.
- C. Perform and verify a full system snapshot.
- D. Install guest management tools.
- E. Ensure all applications are compatible in the virtual environment.

**Answer: AE**

#### NEW QUESTION 211

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

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

**Answer: B**

#### NEW QUESTION 215

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

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

**Answer: C**

#### NEW QUESTION 216

Which of the following is the BEST way to achieve network throughput on any host with existing NICs?

- A. 802.3ad
- B. 802.3x
- C. 802.11n
- D. 802.11i

**Answer: C**

#### NEW QUESTION 220

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 222

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 224

Which of the following virtual network components allows a virtual NIC to connect to local area resources?

- A. virtual router
- B. Virtual switch
- C. Virtual network
- D. Virtual gateway

**Answer:** B

#### NEW QUESTION 229

A company is experiencing network access errors within one department that operates in a secure environment. The network administrator needs to investigate the configurations of the switches servicing that department to determine the cause of the network access errors. Which of the following tools should be used to directly access the switches in that department?

- A. AES
- B. RDP
- C. HTTP
- D. SSH

**Answer:** D

#### NEW QUESTION 230

An administrator is responsible for creating a new template that will be used to deploy servers in a virtual environment. Which of the following should be the LAST step in completing the template?

- A. Rename the administrator account
- B. Installing security patches
- C. Conducting a system baseline
- D. Disabling unneeded ports or services

**Answer:** B

#### NEW QUESTION 233

Which of the following should an administrator establish before deploying a guest VM in a production environment?

- A. Disaster recovery plan
- B. Patch management schedule
- C. Business continuity plan
- D. Access control list

**Answer:** C

#### NEW QUESTION 238

An administrator of a credit card company needs to ensure that private cloud resources are allocated effectively, but needs to utilize the agility of the public cloud during peak seasons. Which of the following would accomplish this?

- A. Cloud bursting
- B. Elasticity
- C. Multi-tenancy
- D. Self-service provisioning

**Answer:** A

#### NEW QUESTION 239

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

- A. VPN and RDP
- B. SCP and RDP



- C. AES and TLS
- D. SSL and SFTP

**Answer:** A

#### NEW QUESTION 241

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 246

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

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

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

**Answer:** D

#### NEW QUESTION 248

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 252

Which of the following increases storage read throughput?

- A. Scaling
- B. NIC teaming
- C. Load balancing
- D. Caching

**Answer:** D

#### NEW QUESTION 254

A company has purchased two new servers to host several virtualized database servers. Each server

has two 3GHz quad-core processors each, 64GB RAM each, 200GB DAS, and two 10GbE NICs each. Which of the following is the MOST likely bottleneck for these systems?

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

**Answer:** D

#### NEW QUESTION 258

Which of the following describes a host server that is configured to bridge four guest servers?

- A. A host server that has one physical Ethernet adapter that is used to allow guests to communicate to the physical network
- B. A host server that has four virtual Ethernet adapters dedicated to each guest server to communicate to the loopback network
- C. A host server that has one physical Ethernet adapter that is configured as a standby
- D. A guest server that has four virtual Ethernet adapters that are used to allow guests to communicate to the virtual network

**Answer:** B

#### NEW QUESTION 260

An administrator suspects malware has infected a server. Which of the following should be used to check services communicating with external servers?

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

**Answer:** C

#### NEW QUESTION 264

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 267

Two VMs are in the same subnet 10.120.10.x/24, but the VMs cannot communicate with each other. Which of the following could be causing this problem?

- A. Private IP addresses are not routable
- B. Incorrect VLAN tagging
- C. Incorrect subnetting
- D. Incorrect firewall configuration

**Answer:** D

#### NEW QUESTION 269

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 270

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 274

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

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

**Answer:** D

#### NEW QUESTION 279

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

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

**Answer:** C

#### NEW QUESTION 280

An administrator is responsible for managing a private cloud that has servers that require a significant amount of RAM, but does not have the resources to

dedicate to the guests. Which of the following features should the administrator configure on the hypervisor?

- A. Resource pooled memory
- B. Memory reservation
- C. Dynamic memory
- D. Static memory

**Answer:** B

#### NEW QUESTION 281

A company has instituted a cloud solution where the solution consolidates resources between the human resources and engineering departments. The combined resources are available to be assigned dynamically to each of the two departments without any visible impact on performance to the users. Which of the following terms BEST describes this cloud characteristic?

- A. Resource consolidation
- B. Resource pooling
- C. Dynamic pooling
- D. Cloud computing

**Answer:** B

#### NEW QUESTION 282

A company has changed their web hosting policy and now requires SSL certificates on all web servers. Users are reporting that they can no longer access an internal website. Which of the following commands should the administrator run to determine if port 443 is listening? (Select two.)

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

**Answer:** C

#### NEW QUESTION 286

An administrator for a non-profit organization has been tasked with creating a flexible cloud solution. Which of the following would allow the programmer to customize this implementation?

- A. Type II virtual infrastructure
- B. Closed Source Hypervisors
- C. Open Source Hypervisors
- D. Type I virtual infrastructure

**Answer:** C

#### NEW QUESTION 290

Which of the following cloud services would MOST likely be selected by a software development company that needs a cloud in which to develop software and does not have infrastructure requirements?

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

**Answer:** A

#### NEW QUESTION 292

A technician needs to configure a virtual NIC on a Class A IP address network. Which of the following is the default subnet mask for this network?

- A. /8
- B. /16
- C. /24
- D. /28

**Answer:** A

#### Explanation:

Reference: <https://www.pantz.org/software/tcpip/subnetchart.html>

#### NEW QUESTION 295

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

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



**Answer:** C

**NEW QUESTION 297**

The administrator of virtual infrastructure needs to provision block storage for a virtual machine on which a business critical application will be installed. Considering performance, which of the following describes how the administrator should attach the storage to the VM?

- A. Using NFS
- B. Using CIFS
- C. Using IPv6
- D. Using iSCSI

**Answer:** D

**Explanation:**

Reference:

<http://www.techrepublic.com/blog/the-enterprise-cloud/block-level-storage-vs-file-level-storage-a-comparison/>

**NEW QUESTION 301**

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