



CompTIA

Exam Questions CV0-003

CompTIA Cloud+ Certification Exam

NEW QUESTION 1

An organization's web server farm, which is hosted in the cloud with DNS load balancing, is experiencing a spike in network traffic. This has caused an outage of the organization's web server infrastructure.

Which of the following should be implemented to prevent this in the future as a mitigation method?

- A. Enable DLP
- B. Configure microsegmentation
- C. Enable DNSSEC
- D. Deploy a vADC appliance

Answer: D

NEW QUESTION 2

A cloud administrator has deployed a new VM. The VM cannot access the Internet or the VMs on any other subnet. The administrator runs a network command and sees the following output:

```
IPv4 Address. . . . . 172.16.31.38
Subnet Mask. . . . . 255.255.255.224
Default Gateway. . . . . 172.16.31.254
```

The new VM can access another VM at 172.16.31.39. The administrator has verified the IP address is correct. Which of the following is the MOST likely cause of the connectivity issue?

- A. A missing static route
- B. A duplicate IP on the network
- C. Firewall issues
- D. The wrong gateway

Answer: B

NEW QUESTION 3

A Chief Information Security Officer (CISO) is evaluating the company's security management program. The CISO needs to locate all the assets with identified deviations and mitigation measures. Which of the following would help the CISO with these requirements?

- A. An SLA document
- B. ADR plan
- C. SOC procedures
- D. A risk register

Answer: C

NEW QUESTION 4

A systems administrator needs to convert ten physical servers to virtual.

Which of the following would be the MOST efficient conversion method for the administrator to use?

- A. Rebuild the servers from scratch
- B. Use the vendor's conversion tool
- C. Clone the hard drive
- D. Restore from backup

Answer: C

NEW QUESTION 5

A cloud administrator is switching hosting companies and using the same script that was previously used to deploy VMs in the new cloud. The script is returning errors that the command was not found.

Which of the following is the MOST likely cause of the script failure?

- A. Account mismatches
- B. IP address changes
- C. API version incompatibility
- D. Server name changes

Answer: D

NEW QUESTION 6

A systems administrator needs to configure an email client to ensure data integrity of the email messages. Which of the following provides the BEST mechanism to achieve this goal?

- A. Cyclic redundancy check
- B. SHA-1 hashes
- C. SHA-256 hashes
- D. Digital signature

Answer: A

NEW QUESTION 7

To save on licensing costs, the on-premises, IaaS-hosted databases need to be migrated to a public DBaaS solution. Which of the following would be the BEST technique?

- A. Live migration
- B. Physical-to-virtual
- C. Storage-level mirroring
- D. Database replication

Answer: B

NEW QUESTION 8

A cloud administrator checked out the deployment scripts used to deploy the sandbox environment to a public cloud provider. The administrator modified the script to add an application load balancer in front of the web-based front-end application. The administrator next used the script to recreate a new sandbox environment successfully, and the application was then using the new load balancer.

The following week, a new update was required to add more front-end servers to the sandbox environment. A second administrator made the necessary changes and checked out the deployment scripts. The second administrator then ran the script, but the application load balancer was missing from the new deployment. Which of the following is the MOST likely reason for this issue?

- A. The license limit on the number of server deployments allowed per month was exceeded
- B. The deployment script changes made by the first administrator were not checked in and committed
- C. The new server images were incompatible with the application load-balancer configuration
- D. The application load balancer exceeded the maximum number of servers it could use

Answer: B

NEW QUESTION 9

A systems administrator has finished installing monthly updates to servers in a cloud environment. The administrator notices certain portions of the playbooks are no longer functioning. Executing the playbook commands manually on a server does not work as well. There are no other reports of issues.

Which of the following is the MOST likely cause of this issue?

- A. Change management failure
- B. Service overload
- C. Patching failure
- D. Job validation issues
- E. Deprecated features

Answer: D

NEW QUESTION 10

A cloud engineer is responsible for managing two cloud environments from different MSPs. The security department would like to inspect all traffic from the two cloud environments.

Which of the following network topology solutions should the cloud engineer implement to reduce long-term maintenance?

- A. Chain
- B. Star
- C. Mesh
- D. Hub and spoke

Answer: D

NEW QUESTION 10

A technician is working with an American company that is using cloud services to provide video-based training for its customers. Recently, due to a surge in demand, customers in Europe are experiencing latency.

Which of the following services should the technician deploy to eliminate the latency issue?

- A. Auto-scaling
- B. Cloud bursting
- C. A content delivery network
- D. A new cloud provider

Answer: A

NEW QUESTION 12

A systems administrator is creating a VM and wants to ensure disk space is not allocated to the VM until it is needed. Which of the following techniques should the administrator use to ensure?

- A. Deduplication
- B. Thin provisioning
- C. Software-defined storage
- D. iSCSI storage

Answer: B

NEW QUESTION 15

A systems administrator is reviewing two CPU models for a cloud deployment. Both CPUs have the same number of cores/threads and run at the same clock speed.

Which of the following will BEST identify the CPU with more computational power?

- A. Simultaneous multithreading
- B. Bus speed
- C. L3 cache
- D. Instructions per cycle

Answer: D

NEW QUESTION 16

A cloud architect is designing the VPCs for a new hybrid cloud deployment. The business requires the following:

- High availability
- Horizontal auto-scaling
- 60 nodes peak capacity per region
- Five reserved network IP addresses per subnet
- /24 range

Which of the following would BEST meet the above requirements?

- A. Create two /25 subnets in different regions
- B. Create three /25 subnets in different regions
- C. Create two /26 subnets in different regions
- D. Create three /26 subnets in different regions
- E. Create two /27 subnets in different regions
- F. Create three /27 subnets in different regions

Answer: B

NEW QUESTION 18

An organization is required to set a custom registry key on the guest operating system. Which of the following should the organization implement to facilitate this requirement?

- A. A configuration management solution
- B. A log and event monitoring solution
- C. A file integrity check solution
- D. An operating system ACL

Answer: A

NEW QUESTION 22

A media company has made the decision to migrate a physical, internal file server to the cloud and use a web- based interface to access and manage the files. The users must be able to use their current corporate logins.

Which of the following is the MOST efficient way to achieve this goal?

- A. Deploy a VM in a cloud, attach storage, and copy the files across
- B. Use a SaaS service with a directory service federation
- C. Deploy a fileshare in a public cloud and copy the files across
- D. Copy the files to the object storage location in a public cloud

Answer: C

NEW QUESTION 25

A cloud provider wants to make sure consumers are utilizing its IaaS platform but prevent them from installing a hypervisor on the server. Which of the following will help the cloud provider secure the environment and limit consumers' activity?

- A. Patch management
- B. Hardening
- C. Scaling
- D. Log and event monitoring

Answer: D

NEW QUESTION 26

Which of the following will provide a systems administrator with the MOST information about potential attacks on a cloud IaaS instance?

- A. Network flows
- B. FIM
- C. Software firewall
- D. HIDS

Answer: A

NEW QUESTION 30

A cloud administrator is reviewing the authentication and authorization mechanism implemented within the cloud environment. Upon review, the administrator discovers the sales group is part of the finance group, and the sales team members can access the financial application. Single sign-on is also implemented, which makes access much easier.

Which of the following access control rules should be changed?

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

Answer: D

NEW QUESTION 31

A systems administrator recently upgraded the processors in a web application host. Upon the next login, the administrator sees a new alert regarding the license being out of compliance.

Which of the following licensing models is the application MOST likely using?

- A. Per device
- B. Per user
- C. Core-based
- D. Volume-based

Answer: C

NEW QUESTION 33

A systems administrator in a large enterprise needs to alter the configuration of one of the finance department's database servers.

Which of the following should the administrator perform FIRST?

- A. Capacity planning
- B. Change management
- C. Backups
- D. Patching

Answer: C

NEW QUESTION 38

A systems administrator wants to have near-real-time information on the volume of data being exchanged between an application server and its clients on the Internet.

Which of the following should the systems administrator implement to achieve this objective?

- A. A stateful firewall
- B. DLP
- C. DNSSEC
- D. Network flows

Answer: D

NEW QUESTION 43

A systems administrator is analyzing a report of slow performance in a cloud application. This application is working behind a network load balancer with two VMs, and each VM has its own digital certificate configured. Currently, each VM is consuming 85% CPU on average. Due to cost restrictions, the administrator cannot scale vertically or horizontally in the environment. Which of the following actions should the administrator take to decrease the CPU utilization? (Choose two.)

- A. Configure the communication between the load balancer and the VMs to use a VPN.
- B. Move the digital certificate to the load balancer.
- C. Configure the communication between the load balancer and the VMs to use HTTP.
- D. Reissue digital certificates on the VMs.
- E. Configure the communication between the load balancer and the VMs to use HTTPS.
- F. Keep the digital certificates on the VMs.

Answer: BE

NEW QUESTION 46

The security team for a large corporation is investigating a data breach. The team members are all trying to do the same tasks but are interfering with each other's work.

Which of the following did the team MOST likely forget to implement?

- A. Incident type categories
- B. A calling tree
- C. Change management
- D. Roles and responsibilities

Answer: D

NEW QUESTION 50

Which of the following would be the BEST option for discussion of what individuals should do in an incident response or disaster recovery scenario?

- A. A business continuity plan
- B. Incident response/disaster recovery documentation
- C. A tabletop exercise
- D. A root cause analysis

Answer: A

NEW QUESTION 55

A company needs to rehost its ERP system to complete a datacenter migration to the public cloud. The company has already migrated other systems and configured VPN connections.

Which of the following MOST likely needs to be analyzed before rehosting the ERP?

- A. Software
- B. Licensing
- C. Right-sizing
- D. The network

Answer: B

NEW QUESTION 57

A company has a cloud infrastructure service, and the cloud architect needs to set up a DR site. Which of the following should be configured in between the cloud environment and the DR site?

- A. Failback
- B. Playbook
- C. Zoning
- D. Replication

Answer: D

NEW QUESTION 60

An organization is running a database application on a SATA disk, and a customer is experiencing slow performance most of the time. Which of the following should be implemented to improve application performance?

- A. Increase disk capacity
- B. Increase the memory and network bandwidth
- C. Upgrade the application
- D. Upgrade the environment and use SSD drives

Answer: D

NEW QUESTION 65

Which of the following strategies will mitigate the risk of a zero-day vulnerability MOST efficiently?

- A. Using only open-source technologies
- B. Keeping all resources up to date
- C. Creating a standby environment with a different cloud provider
- D. Having a detailed incident response plan

Answer: D

NEW QUESTION 70

A cloud administrator recently noticed that a number of files stored at a SaaS provider's file-sharing service were deleted. As part of the root cause analysis, the administrator noticed the parent folder permissions were modified last week. The administrator then used a test user account and determined the permissions on the files allowed everyone to have write access.

Which of the following is the best step for the administrator to take NEXT?

- A. Identify the changes to the file-sharing service and document
- B. Acquire a third-party DLP solution to implement and manage access
- C. Test the current access permissions to the file-sharing service
- D. Define and configure the proper permissions for the file-sharing service

Answer: D

NEW QUESTION 71

A cloud administrator recently deployed an update to the network drivers of several servers. Following the update, one of the servers no longer responds to remote login requests. The cloud administrator investigates the issue and gathers the following information:

- The cloud management console shows the VM is running and the CPU and memory utilization is at or near 0%.
- The cloud management console does not show an IP address for that server.
- A DNS lookup shows the hostname resolves to an IP address.
- The server is a member of the same security group as the others.
- The cloud administrator is able to log in remotely to the other servers without issue.

Which of the following is the MOST likely cause of the server being unavailable?

- A. The network driver updates did not apply successfully, and the interface is in a down state.
- B. The ACL policy for the server was updated as part of the server reboot, preventing login access.
- C. The server was assigned a new IP address, and DNS entry for the server name was not updated.
- D. The update caused an increase in the output to the logs, and the server is too busy to respond.

Answer: A

NEW QUESTION 74

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. INSTRUCTIONS

Review the network architecture and supporting documents and fulfill these requirements:

Part 1:

Analyze the configuration of the following components:

DNS, Firewall 1, Firewall 2, Router 1, Router 2, VPN and Orchestrator Server.

Identify the problematic device(s).

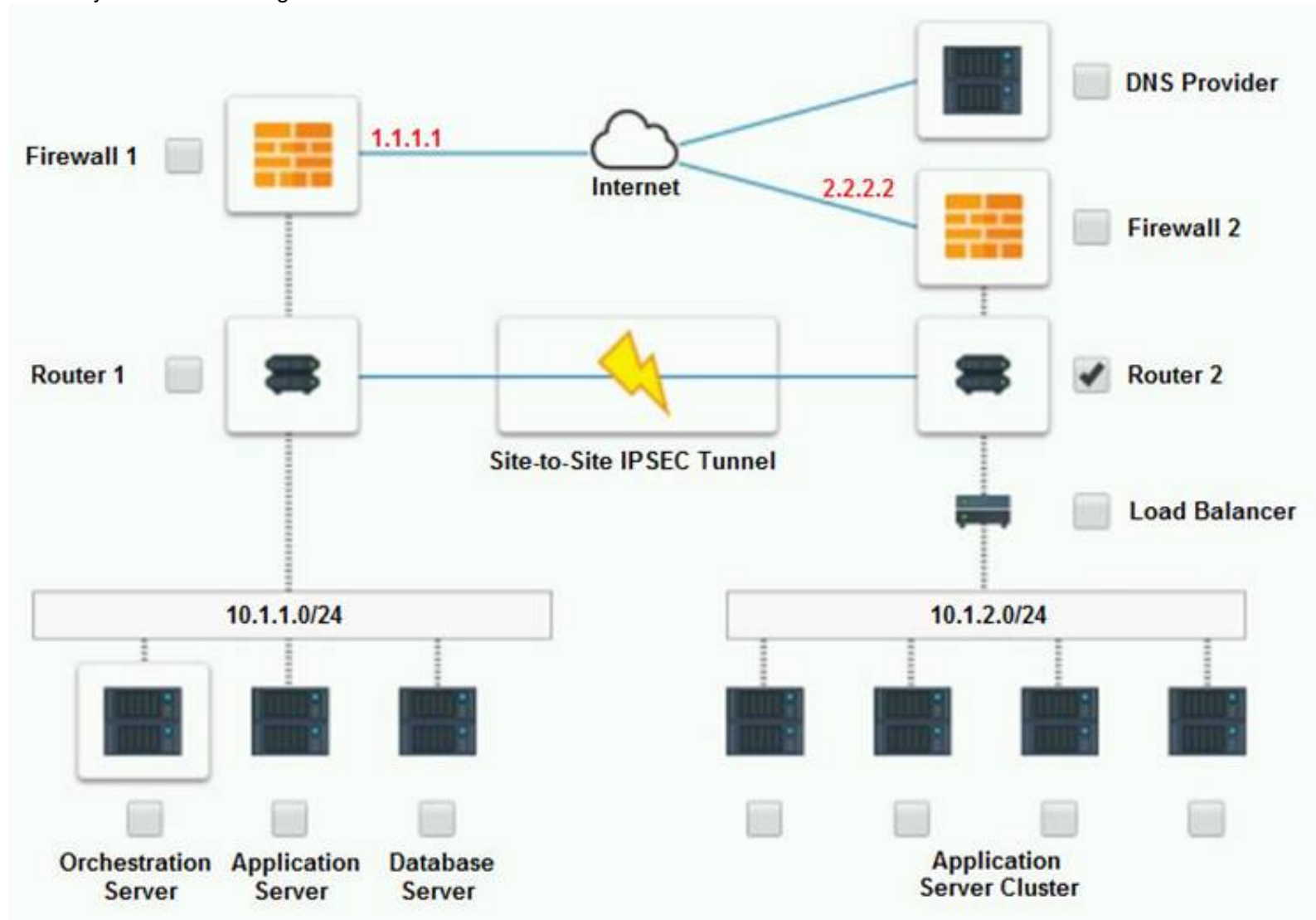
Part 2:

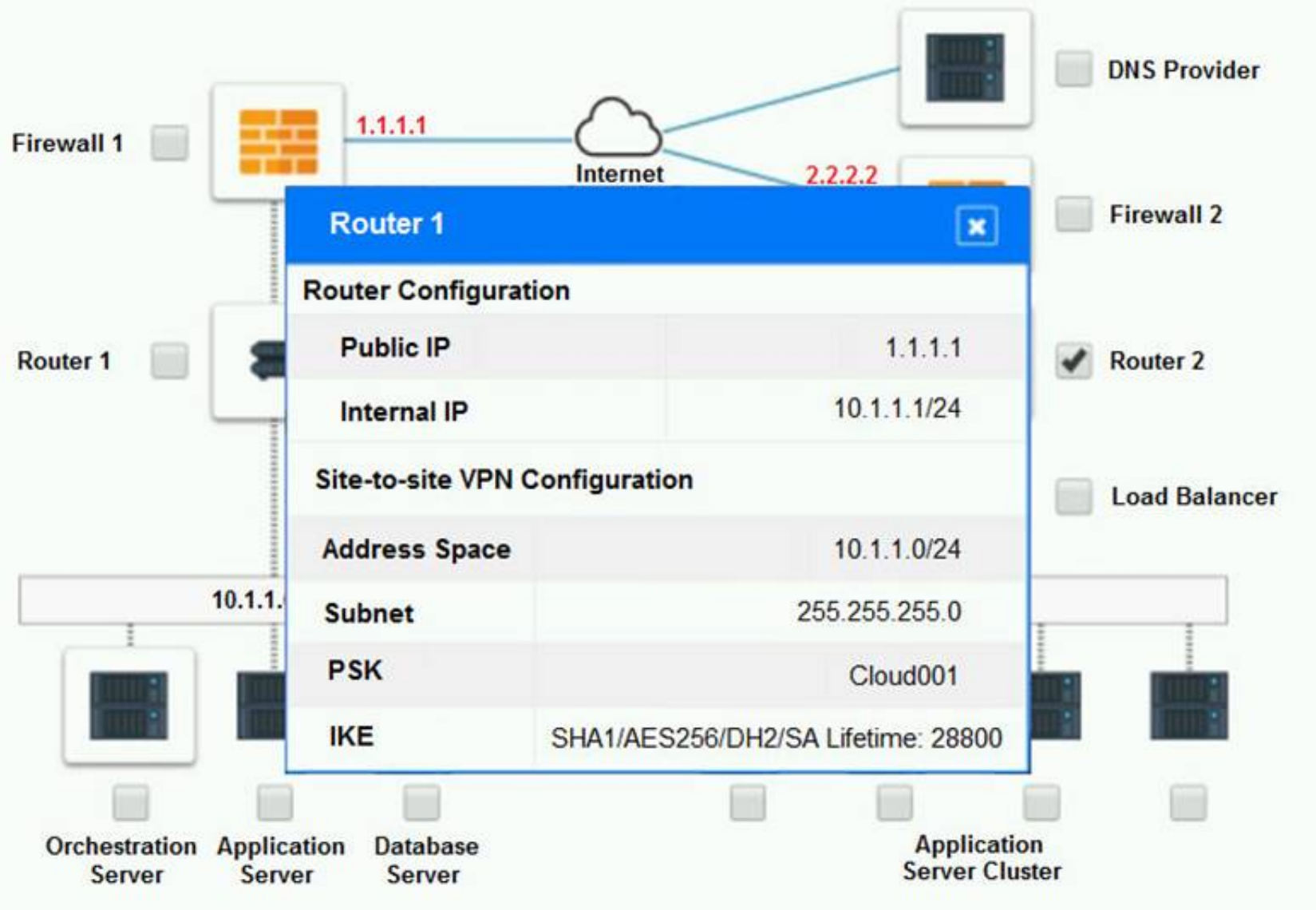
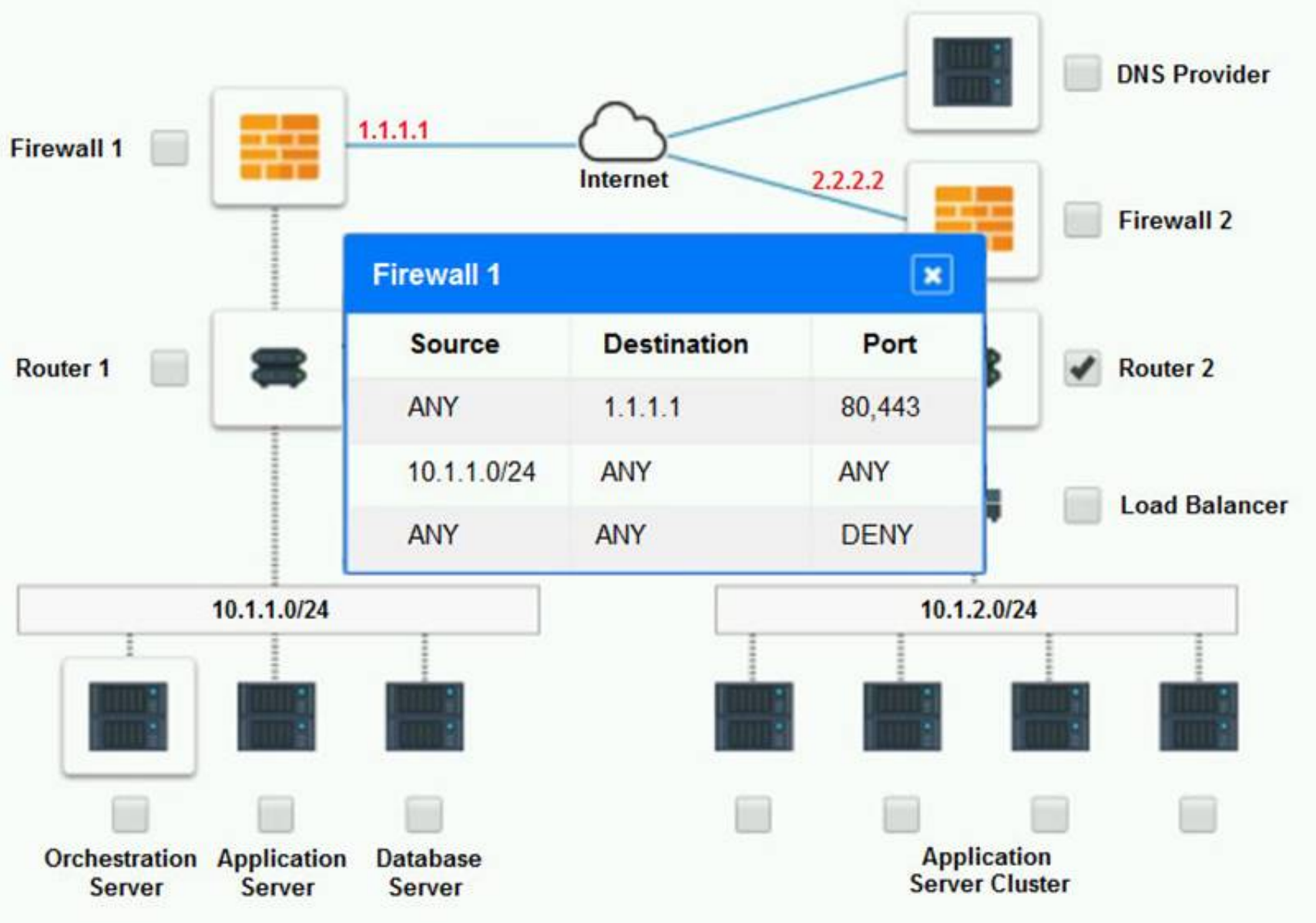
Identify the correct options to provide adequate configuration for hybrid cloud architecture.

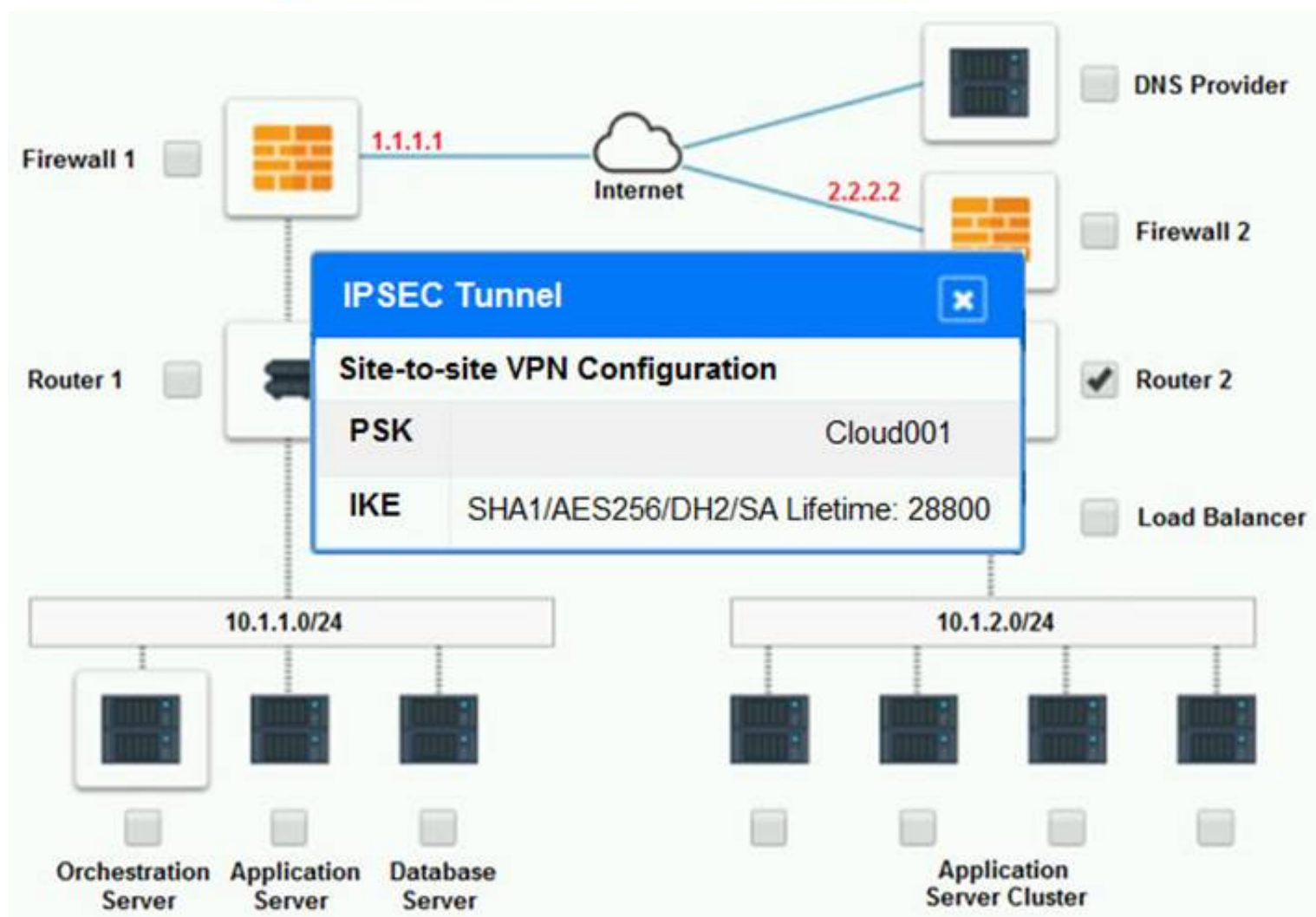
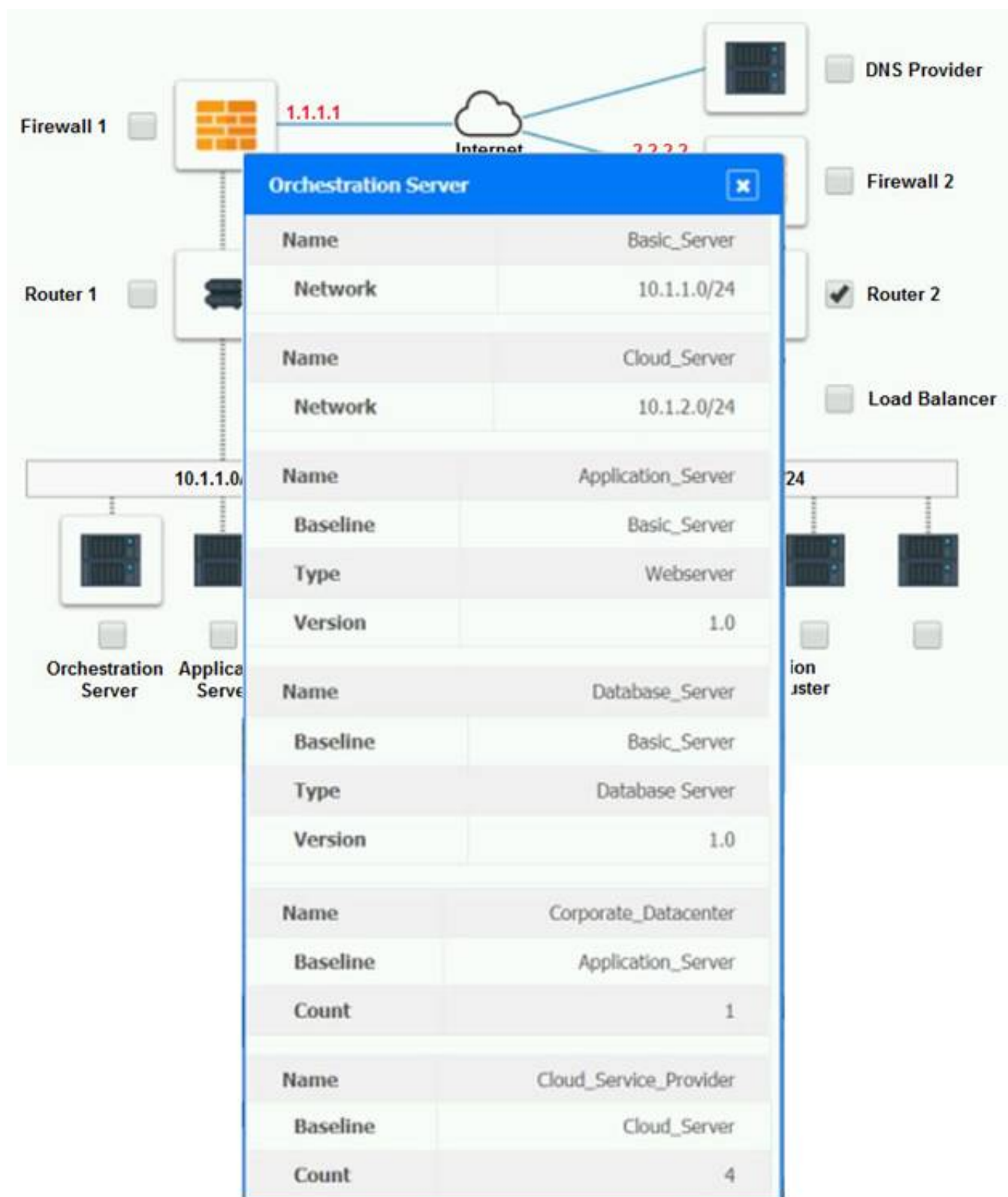
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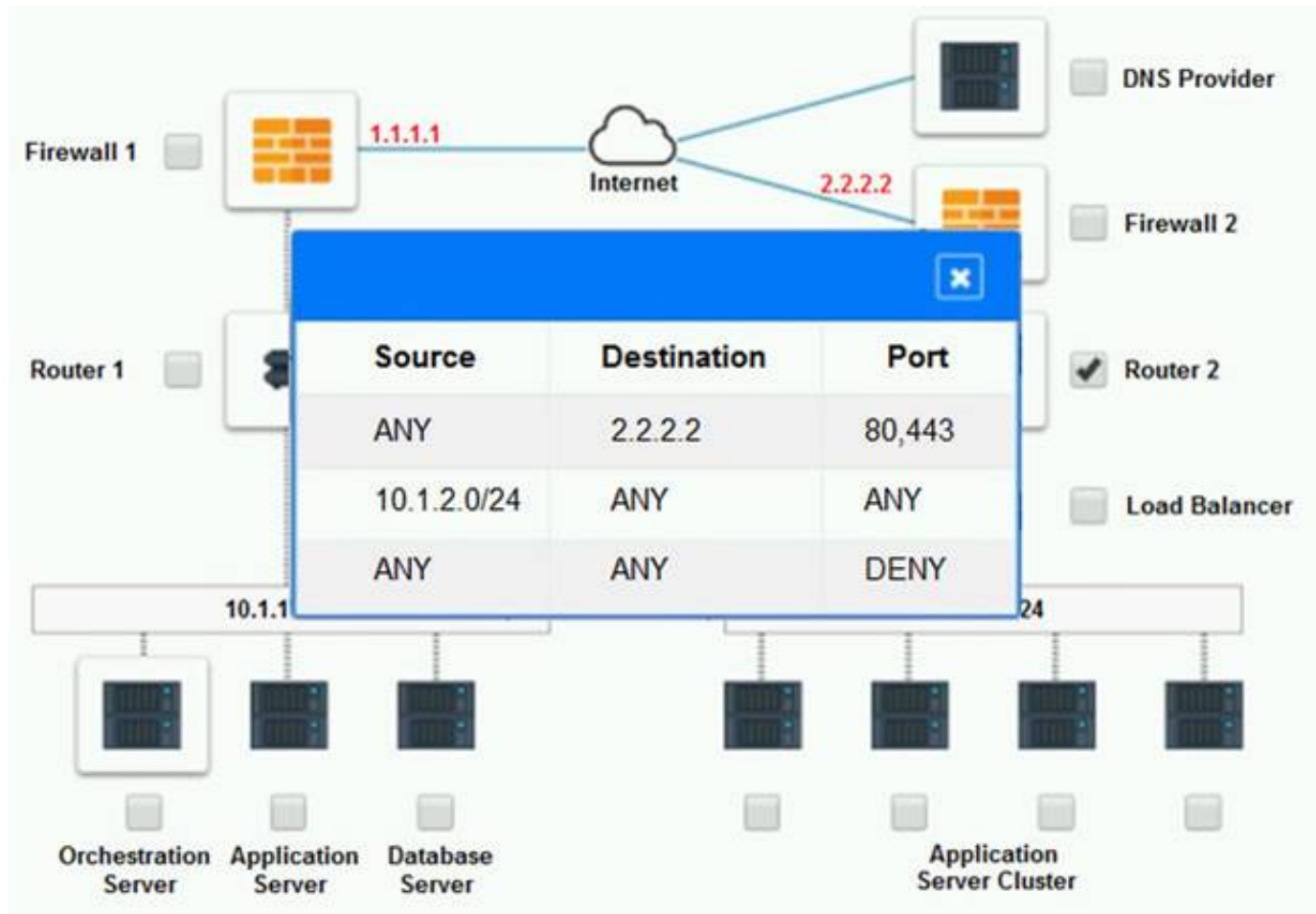
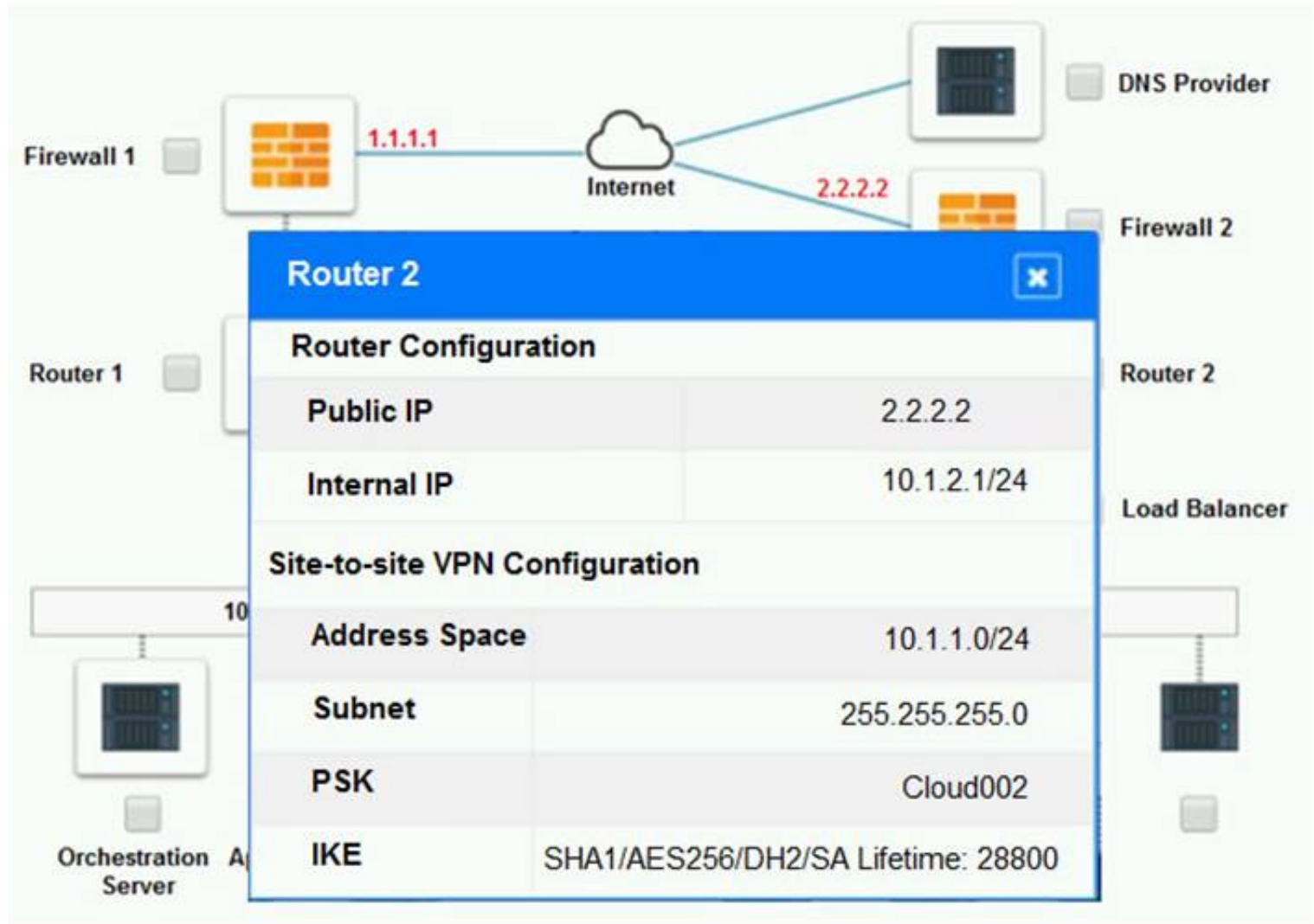
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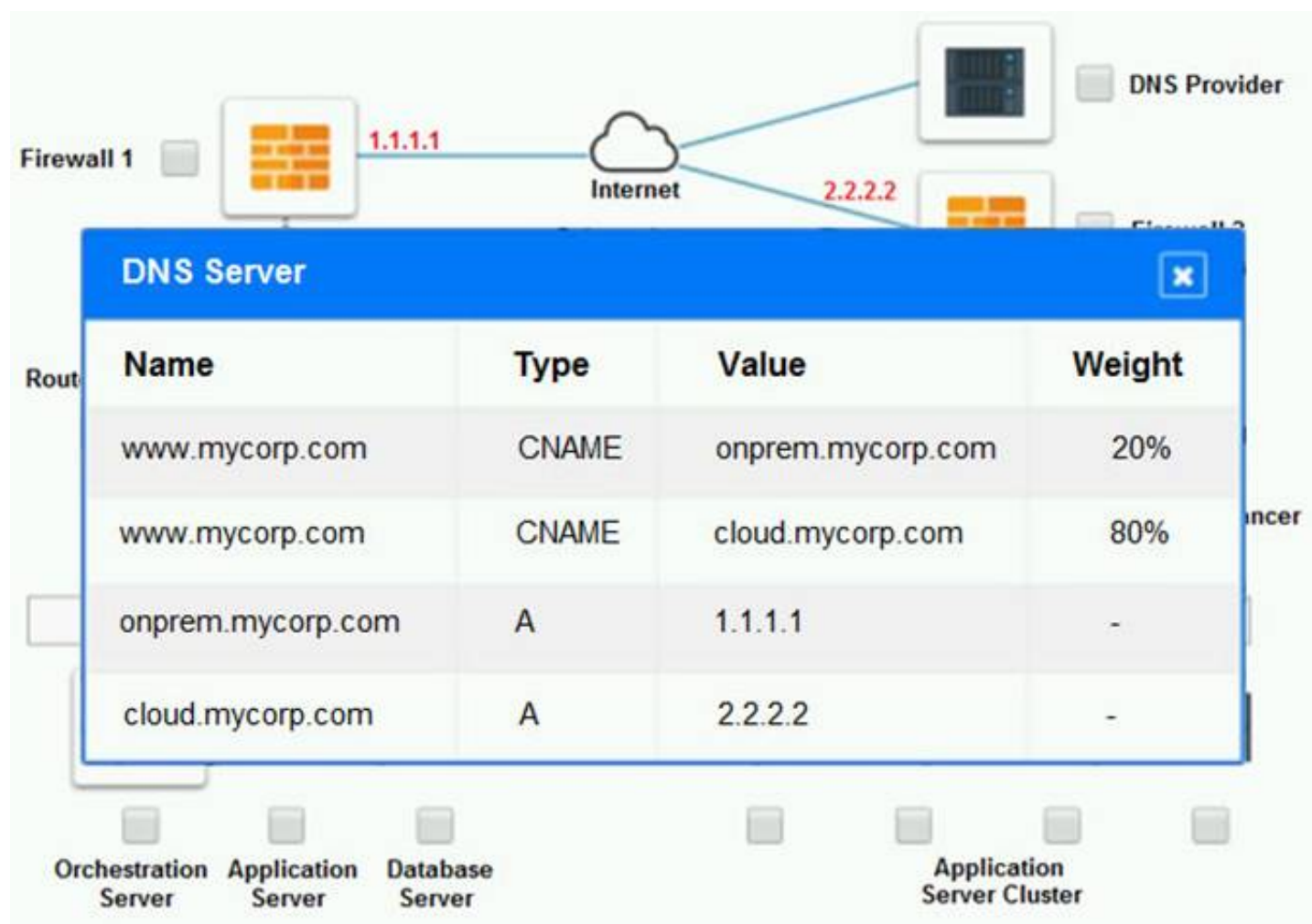
Cloud Hybrid Network Diagram











Part 2:

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

- ☐ Deploy a Replica of the Database Server in the Cloud Provider.
- ☐ Update the PSK (Pre-shared key) in Router 2.
- ☐ Update the A record on the DNS from 2.2.2.2 to 1.1.1.1.
- ☐ Promote deny All to allow All in Firewall 1 and Firewall 2.
- ☐ Change the Address Space on Router 2.
- ☐ Change internal IP Address of Router 1.
- ☐ Reverse the Weight property in the two CNAME records on the DNS.
- ☐ Add the Application Server at on-premises to the Load Balancer.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

See explanation below.

- > Change the Address Space on Router2
- > Update the PSK (Pre-shared key in Router2)

NEW QUESTION 76

A systems administrator is informed that a database server containing PHI and PII is unencrypted. The environment does not support VM encryption, nor does it have a key management system. The server needs to be able to be rebooted for patching without manual intervention. Which of the following will BEST resolve this issue?

- A. Ensure all database queries are encrypted
- B. Create an IPSec tunnel between the database server and its clients
- C. Enable protocol encryption between the storage and the hypervisor
- D. Enable volume encryption on the storage
- E. Enable OS encryption

Answer: C

NEW QUESTION 77

A developer is no longer able to access a public cloud API deployment, which was working ten minutes prior. Which of the following is MOST likely the cause?

- A. API provider rate limiting
- B. Invalid API token
- C. Depleted network bandwidth
- D. Invalid API request

Answer: D

NEW QUESTION 81

A systems administrator notices that a piece of networking equipment is about to reach its end of support. Which of the following actions should the administrator recommend?

- A. Update the firmware
- B. Migrate the equipment to the cloud
- C. Update the OS
- D. Replace the equipment

Answer: A

NEW QUESTION 85

A company recently subscribed to a SaaS collaboration service for its business users. The company also has an on-premises collaboration solution and would like users to have a seamless experience regardless of the collaboration solution being used. Which of the following should the administrator implement?

- A. LDAP
- B. WAF
- C. VDI
- D. SSO

Answer: A

NEW QUESTION 89

A systems administrator is deploying a GPU-accelerated VDI solution. Upon requests from several users, the administrator installs an older version of the OS on their virtual workstations. The majority of the VMs run the latest LTS version of the OS.

Which of the following types of drivers will MOST likely ensure compatibility with all virtual workstations?

- A. Alternative community drivers
- B. Legacy drivers
- C. The latest drivers from the vendor's website
- D. The drivers from the OS repository

Answer: C

NEW QUESTION 93

A software development manager is looking for a solution that will allow a team of developers to work in isolated environments that can be spun up and torn down quickly.

Which of the following is the MOST appropriate solution?

- A. Containers
- B. File subscriptions
- C. Ballooning
- D. Software-defined storage

Answer: A

NEW QUESTION 95

A cloud administrator is setting up a DR site on a different zone of the same CSP. The application servers are replicated using the VM replication, and the database replication is set up using log shipping. Upon testing the DR site, the application servers are unable to access the database servers. The administrator has verified the systems are running and are accessible from the CSP portal.

Which of the following should the administrator do to fix this issue?

- A. Change the database application IP
- B. Create a database cluster between the primary site and the DR site
- C. Update the connection string
- D. Edit the DNS record at the DR site for the application servers

Answer: C

NEW QUESTION 96

A systems administrator is configuring a storage array.

Which of the following should the administrator configure to set up mirroring on this array?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

Answer: B

NEW QUESTION 98

A company needs a solution to find content in images. Which of the following technologies, when used in conjunction with cloud services, would facilitate the BEST

solution?

- A. Internet of Things
- B. Digital transformation
- C. Artificial intelligence
- D. DNS over TLS

Answer: C

NEW QUESTION 100

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