

CompTIA

CV0-002 Exam

CompTIA Cloud+ Exam

**Questions & Answers
Demo**

Version: 13.0

Question: 1

A new browser version has been deployed to all users at a company. After the deployment, users report that they can no longer access the company's secure time-card system, which is hosted by a SaaS provider. A technician investigates and discovers a security error is received upon opening the site. If the browser is rolled back to the older version, the site is accessible again. Which of the following is the MOST likely cause of the security error users are seeing?

- A. SSL certificate expiration on the SaaS load balancers
- B. Federation issues between the SaaS provider and the company
- C. Obsolete security technologies implemented on the SaaS servers
- D. Unencrypted communications between the users and the application

Answer: C

Question: 2

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:

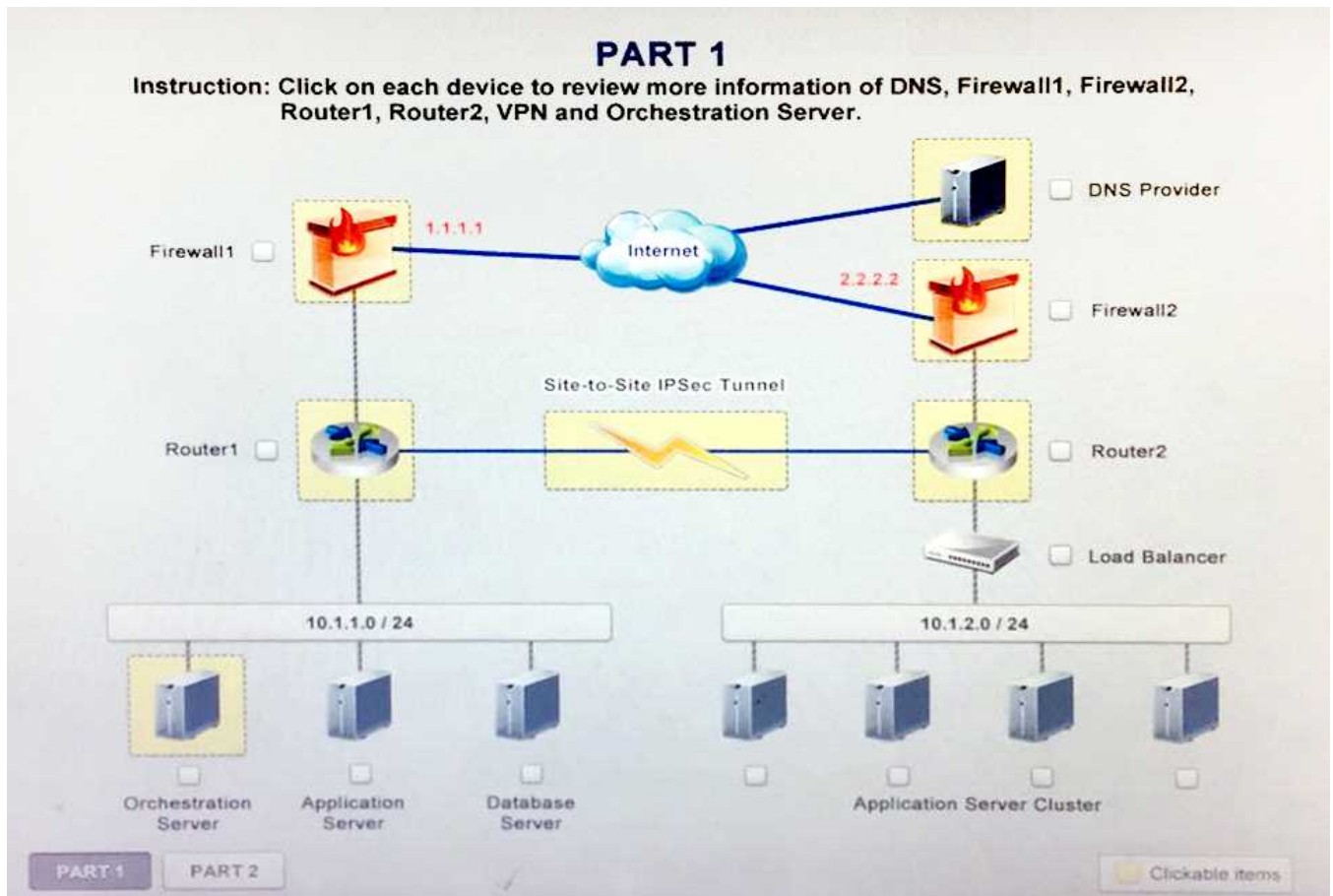
1. Analyze the configuration of the following components: DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestrator Server.
2. Identify the problematic device(s).

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.

The diagram shows a network topology. At the top, an 'Internet' cloud is connected to a 'DNS Provider' server. Below it, 'Firewall1' (with IP 1.1.1.1) and 'Router1' are connected to the Internet. 'Firewall2' is also connected to the Internet. At the bottom, there is a row of servers: 'Orchestration Server', 'Application Server', 'Database Server', and 'Application Server Cluster'. A 'Load Balancer' is also present. A configuration window for 'Firewall1' is open, displaying the following table:

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

At the bottom of the interface, there are buttons for 'PART 1' and 'PART 2', and a legend for 'Clickable items'.

PART 1

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

The diagram shows a network topology with an Internet cloud at the top center. A Firewall1 device (flame icon) is connected to the Internet with a public IP of 1.1.1.1. A Router1 device is also connected to the Internet with a public IP of 1.1.1.1 and an internal IP of 10.1.1.1/24. A Router2 device is connected to the Internet with a public IP of 2.2.2.2. A DNS Provider device is connected to the Internet. Below the Internet cloud, there is a horizontal bar with IP addresses 10.1.1.1 and 10.1.1.4. Below this bar, there are several server devices: Orchestration Server, Application Server, Database Server, Application Server Cluster, and another Application Server. A configuration window for Router1 is open, showing the following details:

| Section | Configuration |
|--------------------------------|---|
| 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 |

At the bottom of the interface, there are two buttons labeled PART 1 and PART 2, and a button labeled Clickable items.

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 | - |

The diagram includes several server icons at the bottom: Orchestration Server, Application Server, Database Server, and Application Server Cluster. On the right side, there are checkboxes for DNS Provider, Firewall2, Router2, and Load Balancer. At the bottom left, there are buttons for PART 1 and PART 2. At the bottom right, there is a legend for 'Clickable items'.

PART 1

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

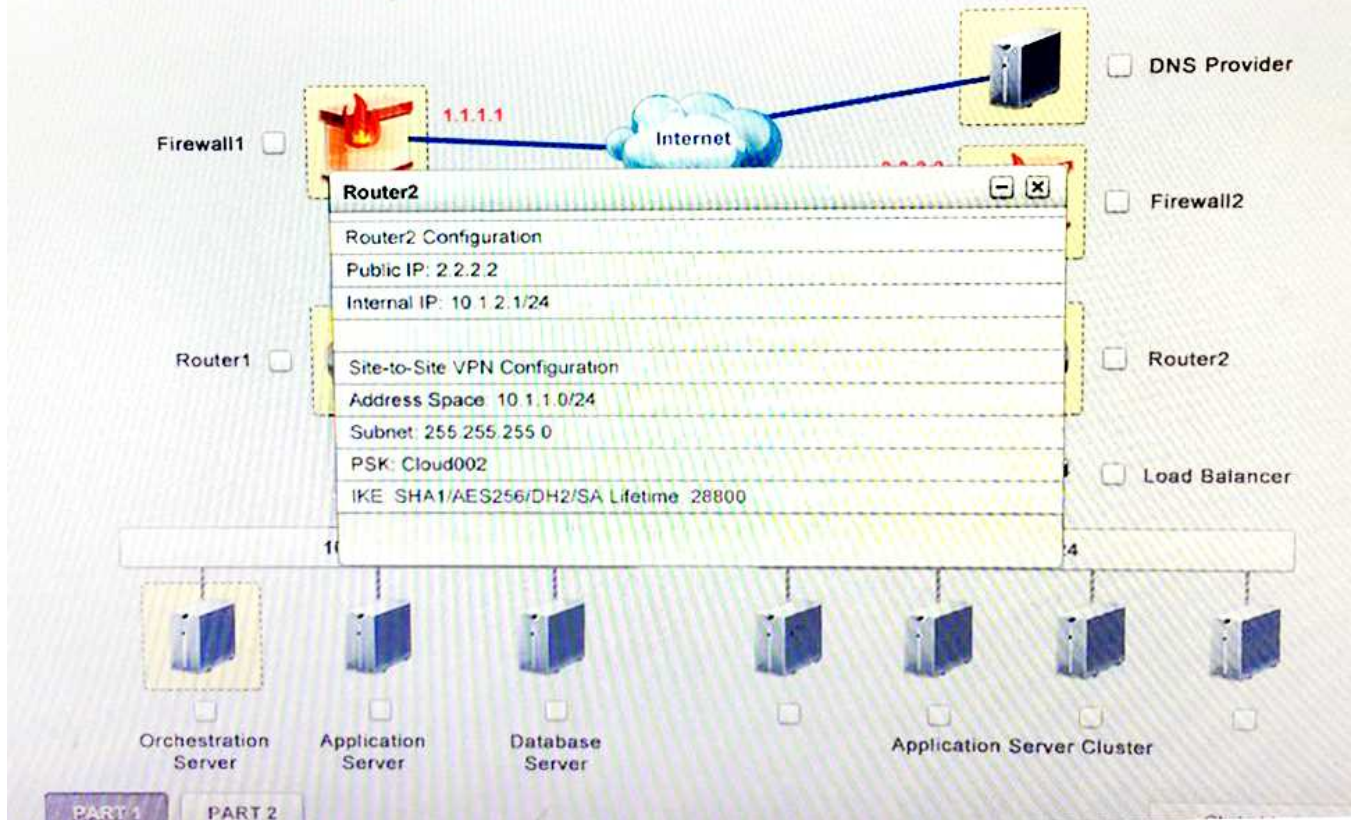
The diagram shows a network topology with an Internet cloud at the top center. Below it are several server and router icons. A Firewall2 configuration window is open, displaying the following table:

| Source | Destination | Port |
|-------------|-------------|--------|
| any | 2.2.2.2 | 80 443 |
| 10.1.2.0/24 | any | any |
| any | any | deny |

At the bottom of the interface, there are buttons for PART 1 and PART 2, and a 'Clickable items' button.

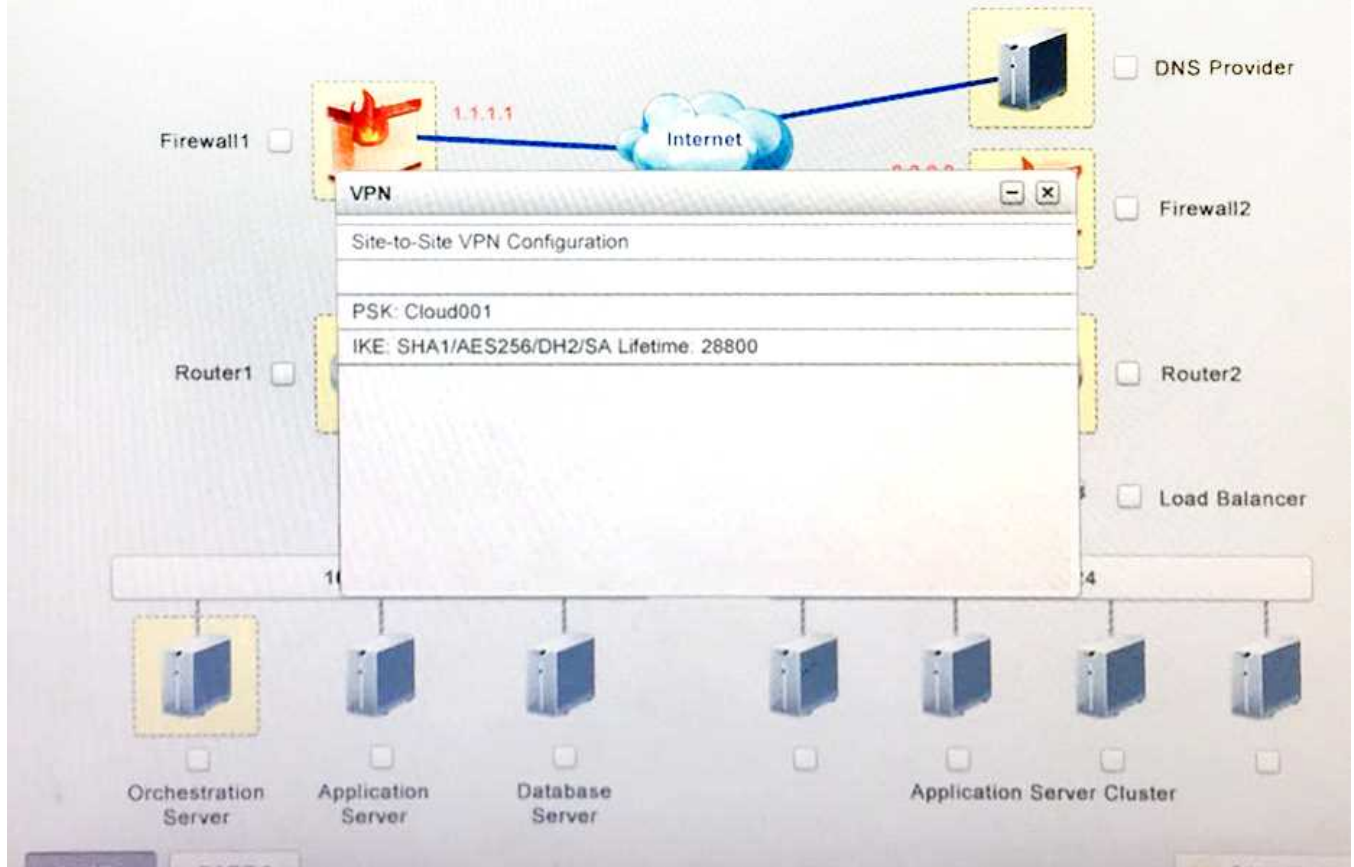
PART 1

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.



PART 1

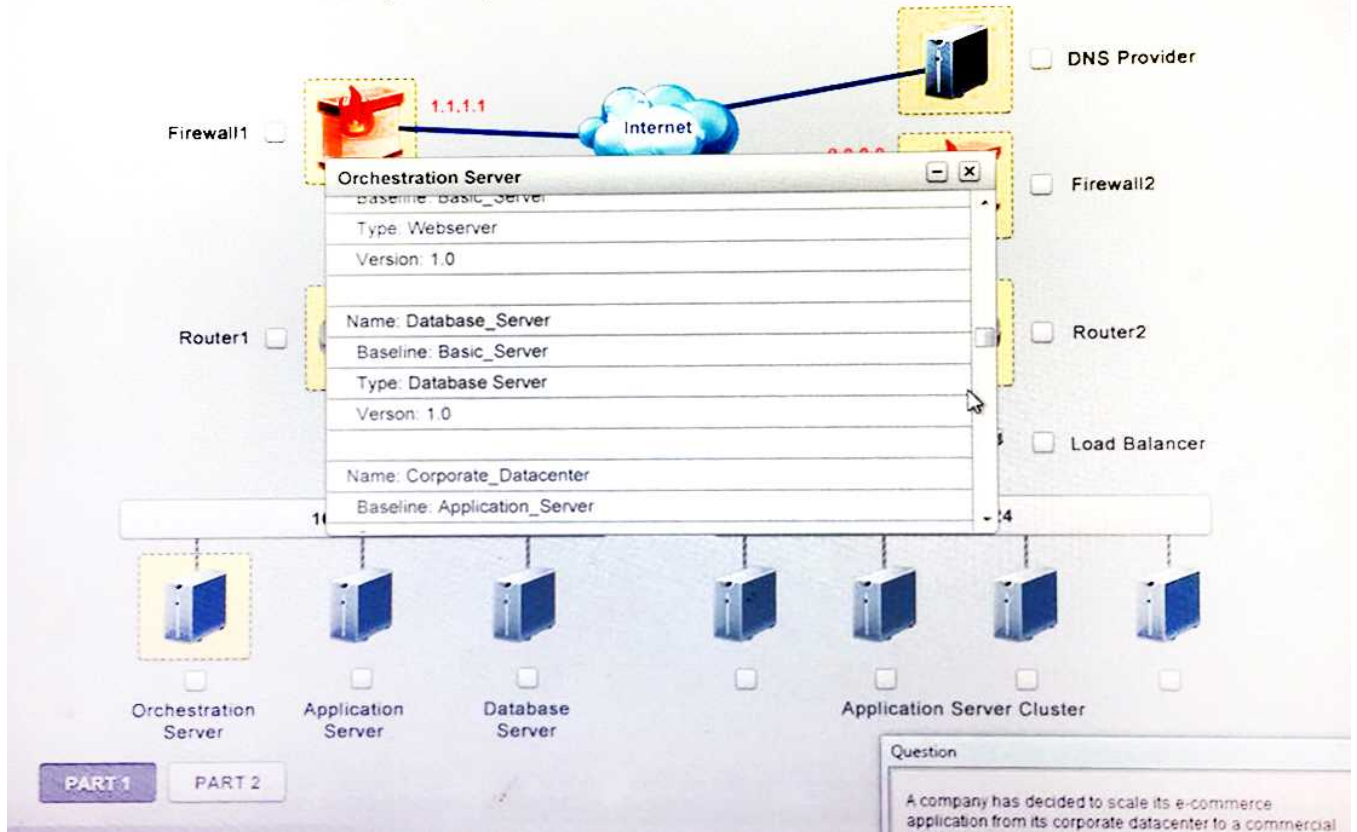
Instruction: Click on each device to review more information of DNS, Firewall1, Firewall2, Router1, Router2, VPN and Orchestration Server.

The diagram shows a network environment with an Internet cloud at the top center. A Firewall1 icon (flame) is connected to the Internet with the IP address 1.1.1.1. A Router1 icon is also connected to the Internet. Below the Internet cloud, there are several server icons: Orchestration Server, Application Server, Database Server, and Application Server Cluster. A pop-up window titled "Orchestration Server" is open, displaying the following information:

| 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 |

On the right side of the diagram, there are checkboxes for DNS Provider, Firewall2, Router2, and Load Balancer. At the bottom, there are buttons for PART 1 and PART 2, and a "Clickable items" label.

Router1, Router2, VPN and Orchestration Server.



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

The diagram shows a network topology with an Internet cloud at the top. Firewall1 is connected to the Internet with IP 1.1.1.1. Router1 is also connected to the Internet. Below the Internet cloud, there are several server icons: Orchestration Server, Application Server, Database Server, and Application Server Cluster. A pop-up window titled 'Orchestration Server' is open, showing the following details:

| | |
|-----------|------------------------|
| Name: | Corporate_Datacenter |
| Baseline: | Application_Server |
| Count: | 1 |
| | |
| Name: | Corporate_DataCenter |
| Baseline: | Database_Server |
| Count: | 1 |
| | |
| Group: | Cloud_Service_Provider |
| Baseline: | Cloud_Server |
| Count: | 4 |

At the bottom of the diagram, there are two buttons: PART 1 and PART 2. A 'Question' box at the bottom right contains the text: 'A company has decided to scale its e-commerce application from its corporate datacenter to a commercial cloud provider to make its enterprise services available to a wider audience.' The text is partially cut off.

Answer: See the solution below.

Solution given below with details.

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

The diagram shows a network topology with an Internet cloud at the top. Below it are Firewall1, Router1, and Router2. At the bottom are several server icons: Orchestration Server, Application Server, Database Server, and Application Server Cluster. A pop-up window titled 'Orchestration Server' is open, showing the following details:

- Name: Corporate_Datacenter
- Baseline: Application_Server
- Count: 1
- Name: Corporate_DataCenter
- Baseline: Database_Server
- Count: 1
- Group: Cloud_Service_Provider
- Baseline: Cloud_Server
- Count: 4

Buttons for PART 1 and PART 2 are visible at the bottom left. A question box at the bottom right contains the text: 'A company has decided to scale its e-commerce application from its corporate datacenter to a commercial cloud provider to maximize return on investment in its datacenter.'

Question: 3

DRAG DROP

A hosted file share was infected with CryptoLocker and now root cause analysis needs to be performed. Place the tasks in the correct order according to the troubleshooting methodology.

| | | |
|---|--|---|
| 1 | | Establish a plan of action to resolve the problem and implement remediation |
| 2 | | Establish a theory of probable cause |
| 3 | | Document findings and outcomes |
| 4 | | Identify the problem |
| 5 | | Test the theory to determine cause |
| 6 | | Verify full system functionality |

Answer:

| | | |
|---|---|---|
| 1 | Identify the problem | Establish a plan of action to resolve the problem and implement remediation |
| 2 | Establish a theory of probable cause | Establish a theory of probable cause |
| 3 | Test the theory to determine cause | Document findings and outcomes |
| 4 | Establish a plan of action to resolve the problem and implement remediation | Identify the problem |
| 5 | Verify full system functionality | Test the theory to determine cause |
| 6 | Document findings and outcomes | Verify full system functionality |

Question: 4

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

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

Question: 5

A company has deployed a four-node cluster in a COLO environment with server configurations listed below. The company wants to ensure there is 50% overhead for failover and redundancy. There are currently eight VMs running within the cluster with four vCPUs x32GB each. The company wants to better utilize its resources within the cluster without compromising failover and redundancy.

| White Label Servers | Configuration (CPU x Memory GB) |
|---------------------|---------------------------------|
| Server 1 | 16x128 |
| Server 2 | 16x128 |
| Server 3 | 16x128 |
| Server 4 | 16x128 |

Given the information above, which of the following should a cloud administrator do to BEST accommodate failover and redundancy requirements?

- A. Ensure hyperthreading is being utilized with physical server CPUs.
- B. Ensure dynamic resource allocation is being utilized.
- C. Overcommit memory, and the systems will allocate resources as required.
- D. Set hard limits for VM resources and turn on hyperthreading.

Answer: B

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