CV0-002 Q&As

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QUESTION 1

A cloud administrator is load balancing six VMs on an IaaS cloud service. The organization has an SLA stating the application should be available 99.999% of the time. At present, the six VMs are handling the load from one region and three availability zones. System baselines have confirmed there must be at least six VMs to handle this load.

Given this scenario, which of the following should the administrator recommend to BEST meet these requirements?

A. Implement and procure three VMs and spread them across three availability zones.

B. Implement and procure six VMs and add them to the three existing availability zones.

C. Implement and procure another region and set up three VMs across three availability zones.

D. Implement and procure another region and set up six VMs across three availability zones.

Correct Answer: B

QUESTION 2

Users at a university are experiencing slow response and performance issues with private cloud services. The university was compromised, and a loss of bandwidth utilization was reported. Without deploying new software, which of the following should be performed to determine the cause of the issues?

A. Send all logs for all cloud components to an event and incident management system for correlation and review.

B. Locate all load balancers in the cloud and replace them with the latest version of content delivery controllers.

C. Install sniffing tools, catalog the type of traffic, and capture all traffic to and from the target systems.

D. Implement and update an antivirus solution to the cloud infrastructure to detect potential threats.

Correct Answer: C

QUESTION 3

Ann, a technician, is using a saved workflow to deploy virtual servers. The script worked yesterday but is now returning an authentication error. Ann confirms that she can manually log in with her own account and create a virtual server. Which of the following is MOST likely causing the error?

A. Certificate misconfiguration

B. Account expiration

C. Federation issues

D. Encryption issues

Correct Answer: C

QUESTION 4

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

Correct Answer: AD

QUESTION 5

A cloud administrator is adding several accounts for new development team interns. These interns will need access to some, but not all, of the resources and will only be working over the summer. Which of the following user provisioning techniques should be used?

A. Create a single account for the interns to share. Set the expiration date for the account to six months.

B. Create a role labeled "interns" with the appropriate permissions. Create a separate account with an expiration date for each intern and add each intern to that role.

C. Create one template user account with the appropriate permissions and use it to clone the other accounts. Set an expiration date for each account individually.

D. Create individual accounts for each intern, set the permissions and expiration date for each account, and link them to a temporary guests user group.

Correct Answer: C

QUESTION 6

A company would like to virtualize as many servers as possible. Which of the following would make a server that requires a connection to a dot matrix printer a viable candidate?

A. Type I hypervisor

B. Port interface

C. Port mapping

D. Type II hypervisor

Correct Answer: C

QUESTION 7

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

Correct Answer: A

QUESTION 8

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

Correct Answer: B

QUESTION 9

A multinational corporation is moving its worldwide cloud presence to a single region, which is called Region A. An administrator attempts to use a workflow, which was previously used to deploy VMs to Region E in the new Region A environment, and receives the following error: Invalid character set. Which of the following is the MOST likely cause of the error?

A. Language support

B. Licensing failure

C. Authentication issues

D. Time-zone misconfiguration

Correct Answer: A

QUESTION 10

An administrator is tasked with encrypting all Personally Identifiable Information (PII) within a cloud-based database. Which of the following types of encryption will ensure that ONLY this type of information is encrypted while the rest of the database remains unencrypted?

A. File and folder encryption

B. Transport encryption

C. Hard drive encryption

D. Table encryption

Correct Answer: D

QUESTION 11

A new application with availability SLA requirements of 99.99% has been deployed in a cloud. For a test spanning a month, which of the following unavailability times would mean the test was successful? (Select TWO).

A. 1 minute

B. 4 minutes

C. 10 minutes

D. 30 minutes

E. 60 minutes

Correct Answer: AB

QUESTION 12

SIMULATION

The QA team is testing a newly implemented clinical trial management (CTM) SaaS application that uses a business intelligence application for reporting. The UAT users were instructed to use HTTP and HTTPS.

Refer to the application dataflow:

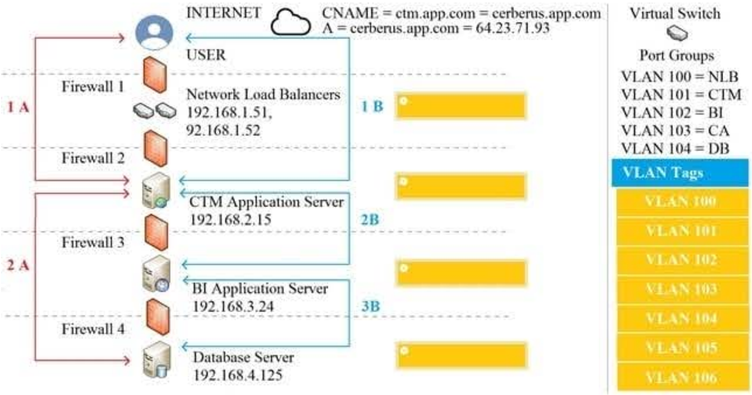
1A-The end user accesses the application through a web browser to enter and view clinical data.

2A-The CTM application server reads/writes data to/from the database server.

1B-The end user accesses the application through a web browser to run reports on clinical data.

2B-The CTM application server makes a SOAP call on a non-privileged port to the BI application server.

3B-The BI application server gets the data from the database server and presents it to the CTM application server.



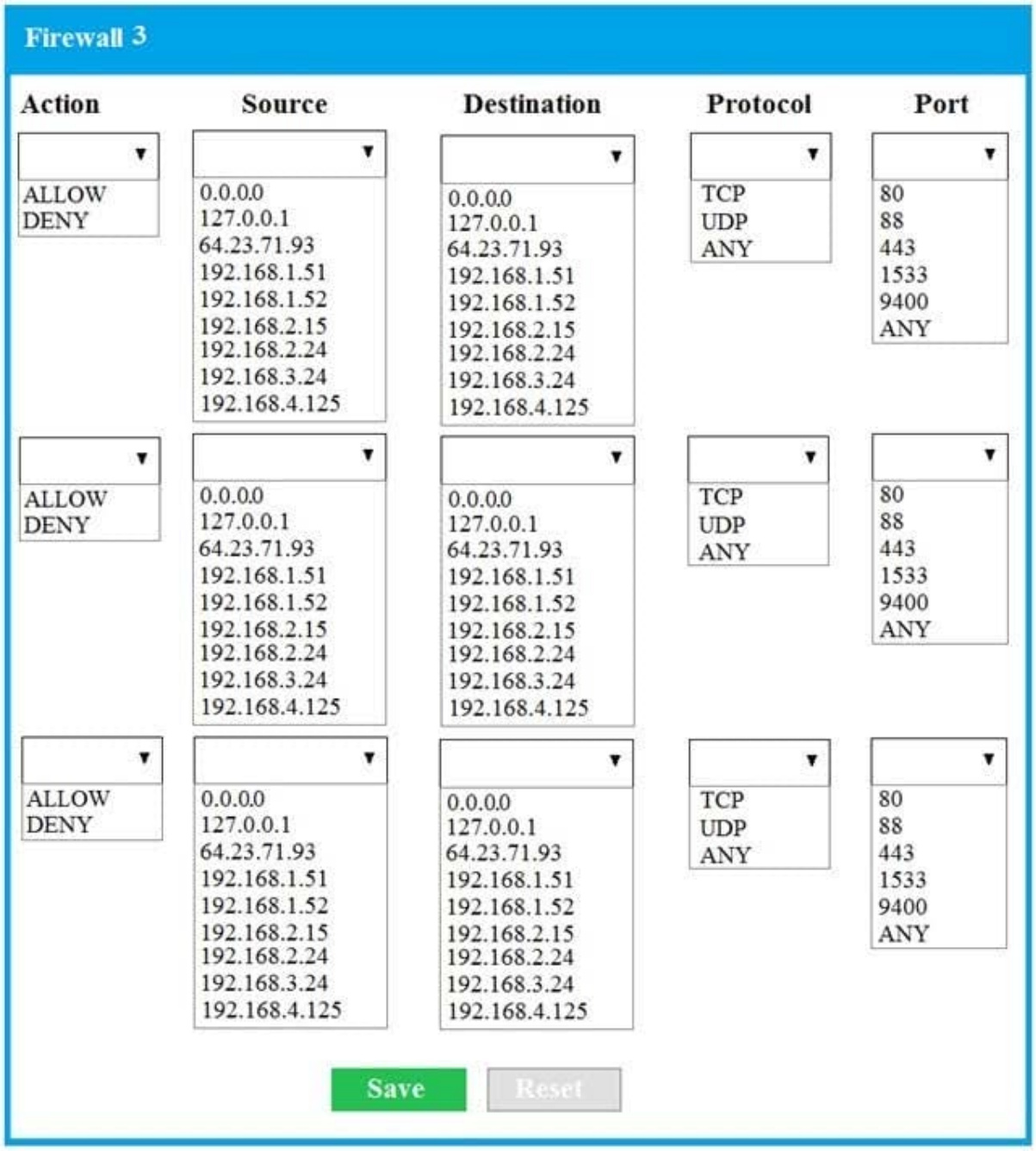
Firewall 1

Action	Source	Destination	Protocol	Port
ALLOW	0.0.0.0	192.168.1.51	TCP	443
ALLOW	0.0.0.0	192.168.1.52	TCP	443
ALLOW	0.0.0.0	192.168.1.51	TCP	80
ALLOW	0.0.0.0	192.168.1.52	TCP	80
DENY	0.0.0.0	0.0.0.0	ANY	ANY

Firewall 2

Action	Source	Destination	Protocol	Port
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY
ALLOW DENY	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	0.0.0.0 127.0.0.1 64.23.71.93 192.168.1.51 192.168.1.52 192.168.2.15 192.168.2.24 192.168.3.24 192.168.4.125	TCP UDP ANY	80 88 443 1533 9400 ANY

Save Reset

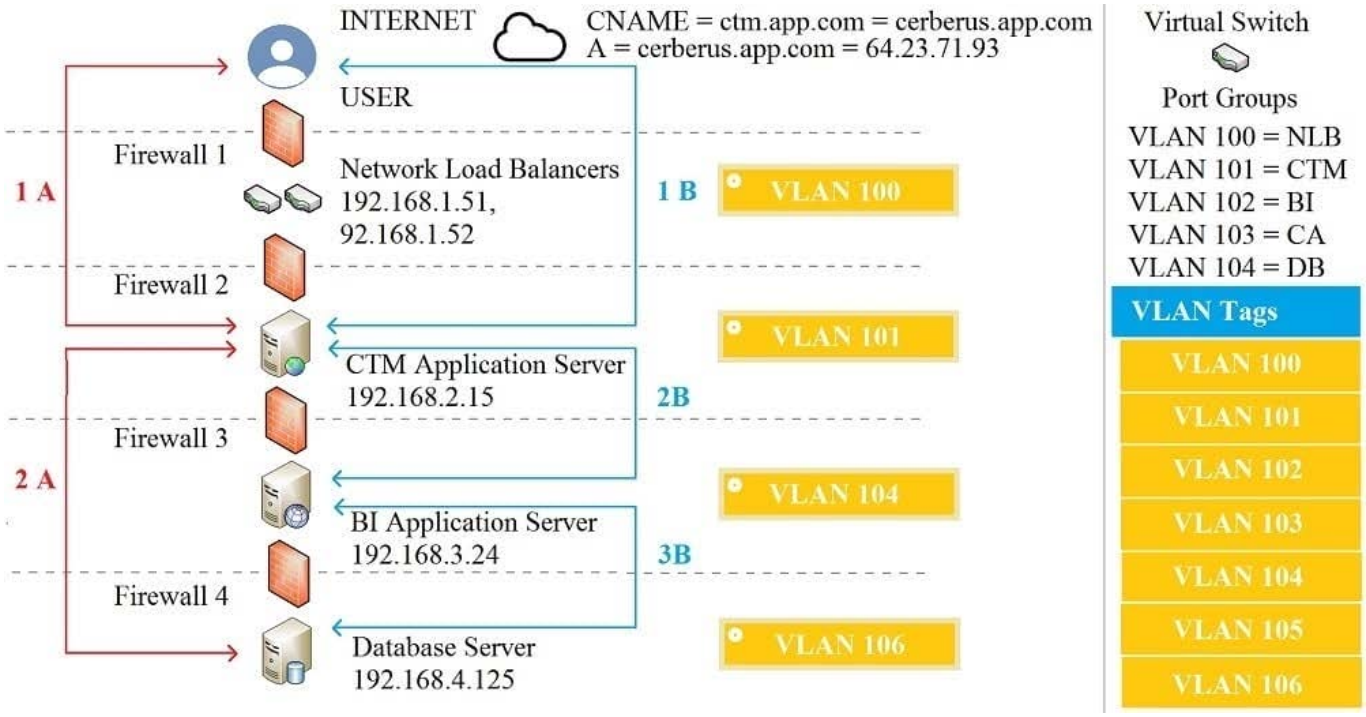


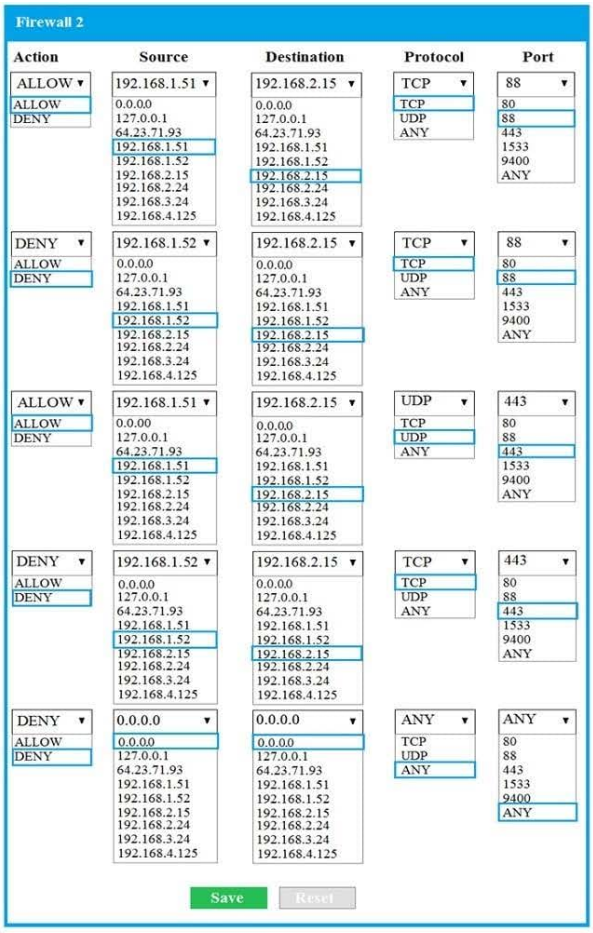
Firewall 4

Action	Source	Destination	Protocol	Port
ALLOW	192.168.2.15	192.168.4.125	TCP	1533
ALLOW	192.168.3.24	192.168.4.125	TCP	1533
DENY	0.0.0.0	0.0.0.0	ANY	ANY

A. See explanation below.

Correct Answer: A




Firewall 2
Action
Source
Destination
Protocol
Port
ALLOW
DENY
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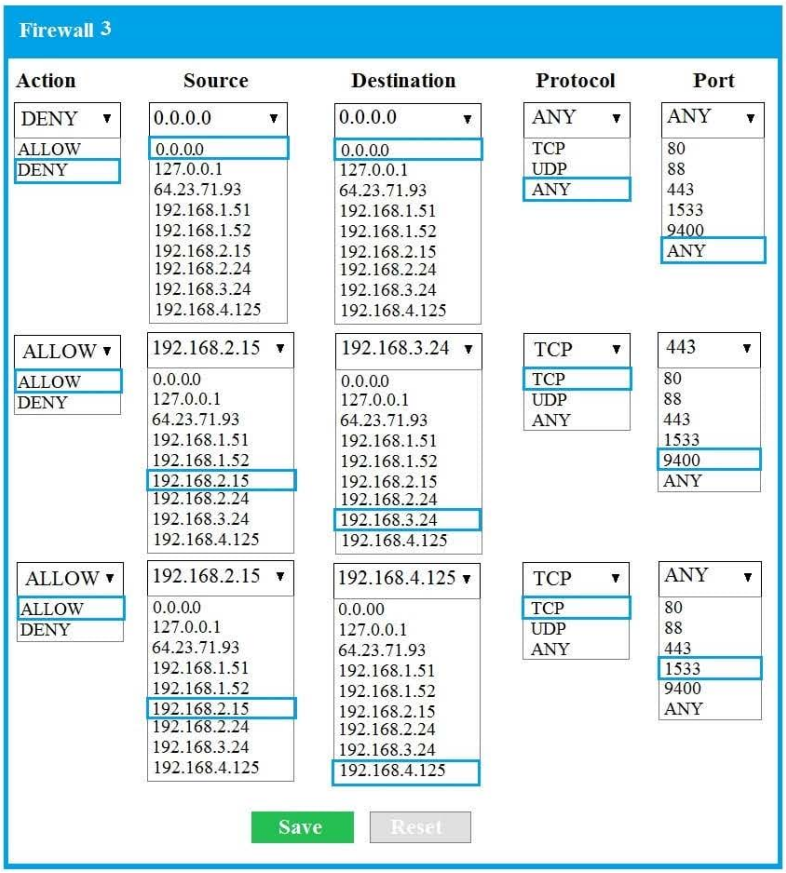
192.168.1.52
192.168.2.15
0.0.0.0
127.0.0.1
64.23.71.93
192.168.2.24
192.168.3.24
192.168.4.125
TCP
UDP
ANY
88
80
443
1533
9400
Save
Reset


Firewall 3
Action
Source
Destination
Protocol
Port
DENY
ALLOW
0.0.0.0
127.0.0.1
64.23.71.93
192.168.1.51
192.168.1.52
192.168.2.15
192.168.2.24
192.168.3.24
192.168.4.125
ANY
TCP
UDP
80
88
443
1533
9400
192.168.3.24
192.168.4.125
Save
Reset

QUESTION 13

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

Correct Answer: BD

QUESTION 14

A private cloud administrator needs to configure replication on the storage level for a required RPO of 15 minutes and RTO of one hour. Which of the following replication types would be the BEST to use?

A. Cold storage

B. Regional

C. Asynchronous

D. Multiregional

Correct Answer: C

QUESTION 15

A consultant is helping a gaming-as-a-service company set up a new cloud. The company recently bought several graphic cards that need to be added to the servers. Which of the following should the consultant suggest as the MOST cost effective?

A. Private

B. Public

C. Community

D. SaaS

Correct Answer: A

Reference: https://searchcloudcomputing.techtarget.com/definition/private-cloud