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QUESTION NO: 1

A cloud architect wants to minimize the risk of having systems administrators in an IaaS compute instance perform application code changes. The development group should be the only group allowed to modify files in the directory.

Which of the following will accomplish the desired objective?

- A. Remove the file write permissions for the application service account.
- B. Restrict the file write permissions to the development group only.
- C. Add access to the fileshare for the systems administrator's group.
- D. Deny access to all development user accounts

ANSWER: B

QUESTION NO: 2 - (SIMULATION)

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.

When UAT users try to access the application using `https://ctm.app.com` or `http://ctm.app.com`, they get a message stating: "Browser cannot display the webpage." The QA team has raised a ticket to troubleshoot the issue.

INSTRUCTIONS

You are a cloud engineer who is tasked with reviewing the firewall rules as well as virtual network settings.

You should ensure the firewall rules are allowing only the traffic based on the dataflow.

You have already verified the external DNS resolution and NAT are working.

Verify and appropriately configure the VLAN assignments and ACLs. Drag and drop the appropriate VLANs to each tier from the VLAN Tags table. Click on each Firewall to change ACLs as needed.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



Internet CNAME = ctm.app.com = cerberus.app.com
A = cerberus.app.com = 64.23.71.93

Virtual Switch

Port Groups
VLAN 100 = NLB
VLAN 101 = CTM
VLAN 102 = BI
VLAN 103 = CA
VLAN 104 = DB
VLAN 105 = MGMT
VLAN 106 = WEB

VLAN Tags
VLAN 100
VLAN 101
VLAN 102
VLAN 103
VLAN 104
VLAN 105
VLAN 106

Firewall 2

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

Reset Answer Save Close

Database Server 192.168.4.125

VLAN 105

Internet CNAME = ctm.app.com = cerberus.app.com
A = cerberus.app.com = 64.23.71.93

Virtual Switch

Port Groups
VLAN 100 = NLB
VLAN 101 = CTM
VLAN 102 = BI
VLAN 103 = CA
VLAN 104 = DB
VLAN 105 = MGMT
VLAN 106 = WEB

VLAN Tags
VLAN 100
VLAN 101
VLAN 102
VLAN 103
VLAN 104
VLAN 105
VLAN 106

Firewall 3

Action	Source	Destination	Protocol	Port
DENY	0.0.0.0	0.0.0.0	ANY	ANY
ALLOW	192.168.2.15	192.168.3.24	TCP	9400
ALLOW	192.168.2.15	192.168.4.125	TCP	1533

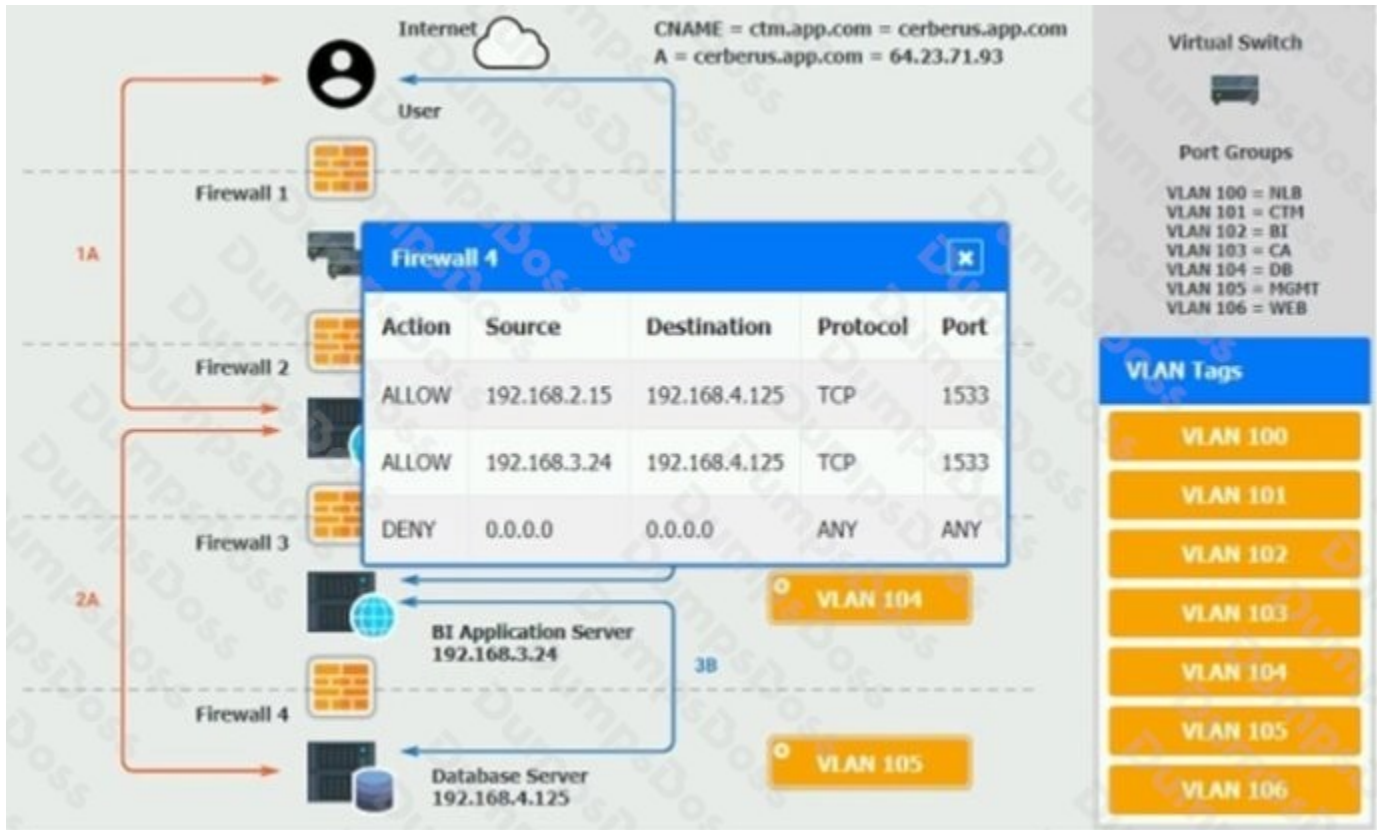
Reset Answer Save Close

Application Server 192.168.3.24

Database Server 192.168.4.125

Firewall 4

VLAN 105



ANSWER: See explanation below.

Explanation:

On firewall 3, change the DENY 0.0.0.0 entry to rule 3 not rule 1.

QUESTION NO: 3

An organization is implementing a new requirement to facilitate users with faster downloads of corporate application content. At the same time, the organization is also expanding cloud regions.

Which of the following would be suitable to optimize the network for this requirement?

- A. Implement CDN for overall cloud application
- B. Implement auto-scaling of the compute resources
- C. Implement SR-IOV on the server instances
- D. Implement an application container solution

ANSWER: C

Explanation:

Reference: https://access.redhat.com/documentation/en-us/red_hat_openstack_platform/13/html/network_functions_virtualization_planning_and_configuration_guide/part-sriov-nfv-configuration

QUESTION NO: 4

A company has an in-house-developed application. The administrator wants to utilize cloud services for additional peak usage workloads. The application has a very unique stack of dependencies.

Which of the following cloud service subscription types would BEST meet these requirements?

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

ANSWER: D

QUESTION NO: 5

A company wants to implement business continuity, and the cloud solution architect needs to design the correct solution.

Which of the following will provide the data to measure business continuity? (Choose two.)

- A. A service-level agreement
- B. Automation scripts
- C. Playbooks
- D. A network diagram
- E. A backup and restore
- F. A recovery time objective

ANSWER: A F

QUESTION NO: 6

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

QUESTION NO: 7

A VDI administrator has received reports of poor application performance.

Which of the following should the administrator troubleshoot FIRST?

- A. The network environment
- B. Container resources
- C. Client devices
- D. Server resources

ANSWER: D