300-465 Q&As

Designing the Cisco Cloud

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QUESTION 1

Which three options are the primary security architectural principles for VMDC data center security? (Choose three.)

A. threat defense

B. resiliency

C. automation

D. secure separation

E. isolation

F. orchestration

Correct Answer: BDE

The primary security architectural principles for VMDC data center security are secure separation, visibility, isolation, resiliency.

Reference: http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data_Center/VMDC/Cloud_Security/1-0/DG/ICSecurity/ICSecurity2.html

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QUESTION 2

An engineer is designing for a new customer that must have these features:

VDI desktop are offered as a hosted solution for remote customers

Employees can leverage local Internet connections to access desktops from either branch or home office locations

Which solution satisfies these requirements?

A. Lease MPLS Layer 2 or Layer 3 circuits to provide connectivity from the customer network into the cloud environment. VDI desktop users connect directly to their hosted VRF and subnet to establish desktop sessions using RDP or PCoIP

B. Create L2L VPN tunnels from the customer data center firewalls to the Cisco ASA device at the hosted data center. Use crypto maps to define the customer traffic that is permitted to establish VDI sessions into each customer VRF and subnet using RDP or PCoIP

C. Create a DMZ for each customer on the CSP data center Cisco ASA device for the VMware security servers. Customers establish VDI desktop connections using either PCoIP or RDP through the DMZ and into the internal network

D. Configure redundant Cisco ISR routers to establish VPN connections from the customer data center to a pair of VPN headend Cisco ISRs in the CSP data center. Permit uses at the customer site to connect into the customer VRF over the VPN to establish sessions using RDP or PCoIP

Correct Answer: B

QUESTION 3

Which three hypervisors are able to support High Availability for Virtual Machines? (Choose three.)

A. Microsoft Virtual PC

B. Citrix

C. Parallels Desktop

D. HyperV

E. RedHat

F. VMWare

Correct Answer: BCF

QUESTION 4

An engineer must enable the Layer 2 migration of virtual machines between public and private clouds.

Which Cisco automation tool accomplishes this goal?

A. UCS Director

B. Prime Service Catalog

C. CloudCenter

D. VACS

Correct Answer: C

QUESTION 5

Service providers can use multi tenant data centers to efficiently and economically provide cloud services using shared hardware and network infrastructures. Which two options does this approach require? (Choose two)

A. partial segregation of network components by tenant

B. complete separation of network traffic by tenant

C. strict access control policies

D. complete separation of hardware infrastructure per tenant

Correct Answer: BC

complete separation of network traffic by tenant, along with strict access control policies Reference: http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data_Center/VMDC/Cloud_Security/1-0/DG/ICSecurity/ICSecurity1.pdf

QUESTION 6

Which two of the following describe how isolation can be achieved for VMDC data center security? (Choose two.)

A. intrusion prevention appliances that inspect traffic and detect security events on a per-VLAN basis

B. role-based access and authentication

C. virtual routing and forwarding tables

D. proper infrastructure hardening

E. application redundancy

F. policy enforcement and access control

Correct Answer: AC

QUESTION 7

A cloud administrator is considering solutions to automate a hybrid cloud deployment. The solution requires a single pane of glass infrastructure management, monitoring, health dashboard, orchestration and self-service port.

Which solution is appropriate for this environment?

A. Cisco Enablement Platform

B. Cisco IAC

C. Cisco UCS Director

D. Cisco ONE

Correct Answer: D

QUESTION 8

Which three components are involved in the design of Cisco Secure cloud extension? (Choose three)

A. Intercloud Fabric Extender

B. Amazon Hybrid Cloud

C. third party firewall to secure the connection

D. Amazon Web Services

E. TLS tunnel, to extend the VLAN

F. Intercloud Fabric Switch

Correct Answer: ACF

QUESTION 9

To best leverage Cisco UCS stateless computing, the server manager has decided to boot from an existing storage array.

Which type of storage must be provisioned for the boot LUNs?

A. block

B. hybrid

C. object

D. file

Correct Answer: A

QUESTION 10

Which two scenarios require Cisco Prime Service Catalog as a front-end to Cisco UCS Director? (Choose two.)

A. The Stack View is leveraged for improved visibility

B. Developers must be able to create a three-tier architecture using Stack Designer

C. VACS has been implemented for deploying a containerized model

D. The self-service model is also used to order phone services

E. An advanced workflow is required for IT automation

Correct Answer: CE

QUESTION 11

A cloud administrator is considering deep packet inspection to secure the cloud infrastructure.

Which three statements about DPI are true? (Choose three.)

A. The use of DPI makes it possible to find, identify, classify, reroute, or block packets with specific data or code payloads.

B. DPI does not require updates and revisions to remain optimally effective.

C. DPI is an advanced method of packet filtering that functions at the application layer of the OSI.

D. DPI examines only packet headers.

E. DPI is essential in protecting the cloud against malicious threats such as web exploits, zeroday attacks, data exfiltration, and malware-based botnets.

F. DPI can increase computer speed because it decreases the burden on the processor.

Correct Answer: ACE

QUESTION 12

An engineer for a Cloud Service Provider is configuring a pair of Cisco ASA 5585 firewall devices to minimize the impact of unwanted access to the data center.

Which configuration must the engineer use for the firewall pair, in order to maximize network resources?

A. active/active mode using multicontext routed mode

B. active/standby mode using multicontext routed mode

C. active/standby mode using multicontext transparent mode

D. active/standby mode using single-context routed mode

E. active/active mode using single-context routed mode

F. active/standby mode using single-context transparent mode

Correct Answer: B

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