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**Vendor:**Nokia

**Exam Code:**4A0-N01

**Exam Name:**Nuage Networks Virtualized Cloud  
Services (VCS) Fundamentals

**Version:**Demo

### QUESTION 1

What is NOT a function performed by VSD?

- A. VSD is the service definition point where all the network service and policy templates are created.
- B. VSD is an analytics engine that can provide historic and real time information on the network and the VM usage of the network.
- C. VSD communicates to the cloud management systems through RESTful APIs.
- D. VSD is the DNS and NTP server for the datacenter network.

Correct Answer: C

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### QUESTION 2

What statement about floating public IP addresses in the Nuage environment is CORRECT?

- A. They are managed by enterprise admin users.
- B. NAT is performed for the traffic leaving the enterprise domain and entering the public network.
- C. Once a floating IP is configured on the vPort , the VM will stop using its enterprise private IP address.
- D. There can be more than one floating IP address associated with one vPort.

Correct Answer: D

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### QUESTION 3

What statement is TRUE regarding a redundant redirection target?

- A. By default, high availability is enabled for all redirection targets.
- B. A redundant redirection target can have only 1 virtual IP.
- C. We can associate at maximum 2 vPorts with a redundant redirection target.
- D. Traffic will be redirected to all the vPorts within a redundant redirection target.

Correct Answer: B

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### QUESTION 4

What statement regarding the VRS-G is FALSE?

- A. The VRS-G is the software VXLAN/VLAN gateway of the Nuage VCS solution.
- B. The VRS-G is deployed on a hypervisor, following the same deployment requirements as a regular VRS.
- C. Virtual machines created on the hypervisor are attached to access ports on VRS-G.
- D. The network ports on VRS-G point towards the Nuage overlay VXLAN network.

Correct Answer: B

This permits the bridging of the hypervisor-focused overlay networking and physical devices in the data center.

Reference: <https://jujucharms.com/nuage-vrsg/>

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#### **QUESTION 5**

What benefits does virtualization bring to a data center?

- A. Mobility, flexibility, and better resource utilization.
- B. Multitasking with prioritized process scheduling.
- C. More processing power, memory and disk space.
- D. Higher bandwidth, control plane simplification and reduced forwarding tables.

Correct Answer: C

Reference: <https://www.paessler.com/it-explained/virtualization>

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#### **QUESTION 6**

What statement is TRUE regarding the pull and push mode of CMS integration with Nuage Networks VCS?

- A. In the push model, VSD pushes the network configuration to CMS.
- B. In the pull model, VRS pull the network configuration from CMS.
- C. In the push model, CMS pushes the network configuration to VSC.
- D. In the pull model, CMS pulls the network configuration from VSD.

Correct Answer: C

Reference: <https://www.packetcoders.io/what-is-nuage-networks-vcs-virtualized-cloud-services/>

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#### **QUESTION 7**

What statement is TRUE regarding ingress security policies?

- A. An ingress security policy controls the traffic flowing into the virtual machine.
- B. By default, all traffic is dropped at ingress.
- C. It is executed right after the forwarding policy.
- D. It is executed right after the floating IP NAT.

Correct Answer: C

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#### **QUESTION 8**

What statement is TRUE regarding multiple virtual IP addresses assigned to a single vPort?

- A. The virtual IP addresses can be in a different subnet than the VM interface IP address.
- B. All virtual IP addresses of a vPort must be in the same subnet.
- C. One of the virtual IP addresses can be the same as the VM interface IP address.
- D. Every virtual IP address must be associated with a virtual MAC, which differs from the VM interface MAC address.

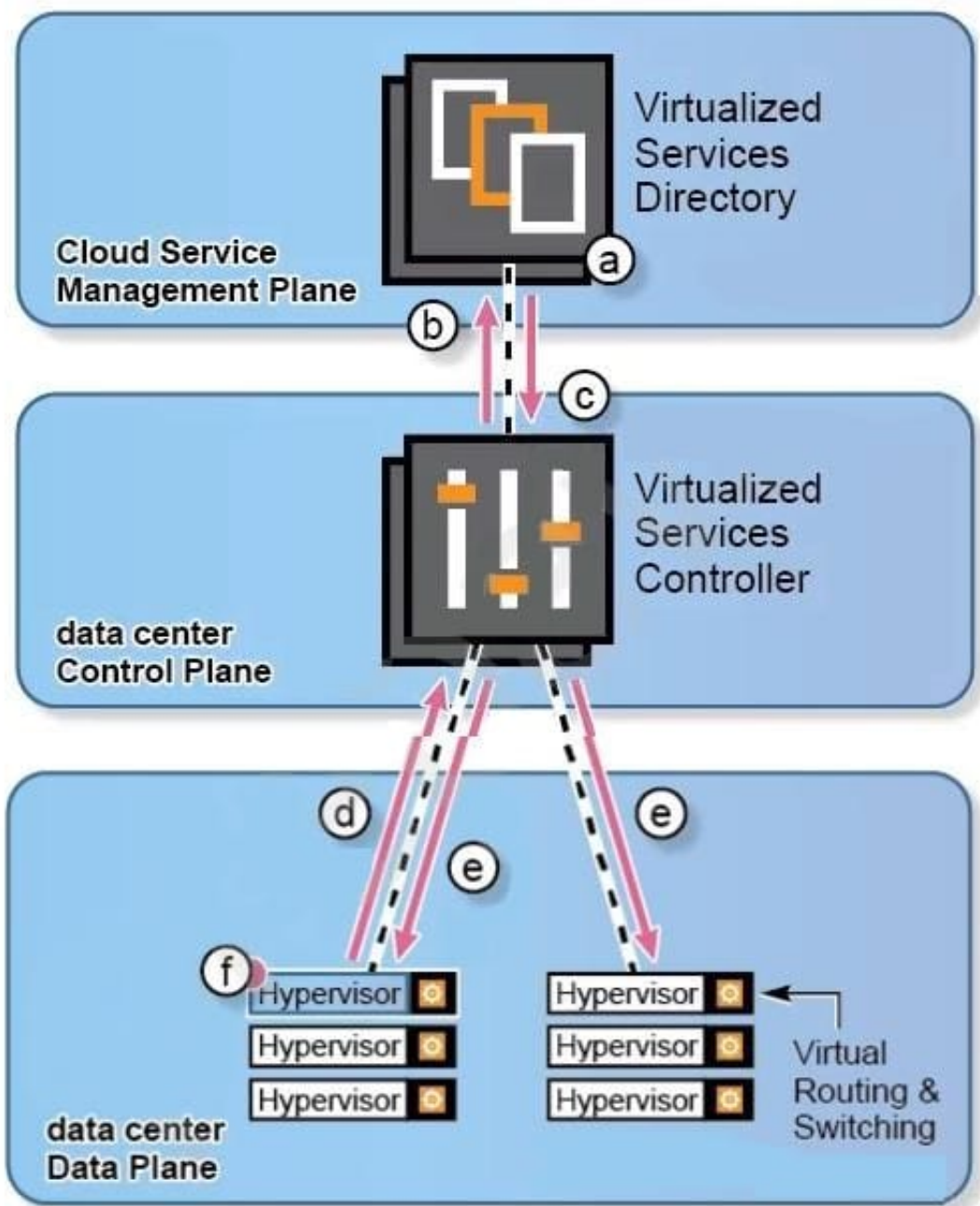
Correct Answer: A

If you have only one public IP address available, and you want to host multiple servers, use aVIP.

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#### **QUESTION 9**

Refer to the diagram. Which statement is describing a step incorrectly?



A. Step a, which consists of defining network domain and policy templates on VSD, must be performed first in all situations.

B. Step d, which refers to the VRS agent informing the VSC of the placement of a new VM, is triggered by step f in which the VM is instantiated on a hypervisor.

C. Step b, in which the VSC queries VSD on network service and policies required for a new VM, is triggered either by API calls from the CMS or by manual configuration.

D. Step e, in which the forwarding tables are deployed, consists of the VSC sending them not only to the VRS agent hosting the new VM, but to all applicable VRS agents.

Correct Answer: D

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**QUESTION 10**

What statement about policy groups is FALSE?

- A. Several vPorts ( in the same or different subnets) can be associated with one policy group.
- B. One vPort can be associated with multiple policy groups.
- C. For an ingress security policy, if a hardware endpoint policy group is chosen as the source, the destination must also be hardware endpoints.
- D. The policy group is the syntactic equivalent of the security group used by cloud management systems.

Correct Answer: A

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**QUESTION 11**

What is NOT a function of VRS?

- A. VxLAN tunneling
- B. Detecting VM events
- C. DHCP and ARP proxy
- D. Libvirt

Correct Answer: B

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**QUESTION 12**

What occurrence is NOT a problem facing a traditional data center network?

- A. High packet loss due to the use of the 3-tier hierarchy.
- B. Sub-optimal traffic flow.
- C. About half of the bandwidth is not used due to links being disabled by STP.
- D. High latency for some applications.

Correct Answer: B

Reference: <https://nsl.cs.sfu.ca/teaching/13/880/surveyVirtualization.pdf>