



4A0-N01^{Q&As}

Nuage Networks Virtualized Cloud Services (VCS) Fundamentals

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QUESTION 1

What statement about traditional datacenter network architecture is TRUE?

- A. It adopts a 3-tier hierarchical topology.
- B. Layer 3 termination is at the access layer.
- C. The top-of-rack switch runs MPLS VPLS services.
- D. It meets the requirements triggered by cloud computing and virtualization.

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data_Center/DC_Infra2_5/DCI_SRND_2_5a_book/DCInfra_2a.html

QUESTION 2

What statement is FALSE regarding the forwarding policies used in VCS for traffic redirection (also known as service chaining)?

- A. Forwarding policies can be applied to either ingress or egress traffic.
- B. Redirection targets should be created in advance and associated with vPorts.
- C. Redirection targets cannot be associated with host vPorts (physical appliances).
- D. A forwarding policy can be created in an active domain or be instantiated from a template.

Correct Answer: D

Reference:

<https://www.nuage networks.net/wp-content/uploads/2020/06/>

Nuage_Networks_Service_Chaining_Technical_Description_Document_EN-compressed.pdf

QUESTION 3

What statement is TRUE regarding service chaining provided by Nuage VCS?

- A. Service chaining is flow-based traffic redirection.
- B. Service chaining only works for virtual appliances.
- C. A virtual firewall is required to perform service chaining.
- D. It consists of packets being forwarded by the local VPLS, then through the enterprise VPRN and lastly the backhaul VPLS.



Correct Answer: B

QUESTION 4

Which two elements of the Nuage Networks VCS Solution act respectively as the control and data plane of a virtual router?

- A. VSD and VSC
- B. VSC and VSG
- C. VSC and VRS
- D. VSD and VSG

Correct Answer: C

Reference: https://www.nuagenetworks.net/wp-content/uploads/2020/06/Nuage_Networks_VSP_Data_Sheet_EN.pdf

QUESTION 5

What mapping is FALSE?

- A. CMS – Management plane
- B. VSD – Management plane
- C. VSC – Control plane
- D. VRS – Control plane

Correct Answer: A

Reference: <https://docs.oracle.com/en-us/iaas/Content/Resources/Assets/whitepapers/sdn-integration-with-nuagenetworks.pdf>

QUESTION 6

Which protocol is used for VSC federation?

- A. BGP VPN-IPv4
- B. BGP EVPN
- C. Openflow
- D. XMPP

Correct Answer: C

The VSC uses standard protocols to peer with existing networks, allowing it to discover full network topology and



reachability. Through Openflow, it distributes relevant switching and routing information to hypervisors within the virtualized datacenter network.

Reference: <http://www.nuage networks.net/wp-content/uploads/2015/08/NuageNetworks-ArchitectureWhite-Paper.pdf>

QUESTION 7

What statement correctly describes the difference between a managed Layer 2 domain and an unmanaged Layer 2 domain?

- A. A managed L2 domain has one or more zones and each zone can have multiple subnets, each with its own IP address pool, while an unmanaged L2 domain does not have zones or subnets.
- B. Managed L2 domains can have overlapping IP address pools, while unmanaged L2 domains are not allowed to have overlapping IP address pools.
- C. In a managed L2 domain, Nuage VCS manages security policies, while in an unmanaged domain, Nuage VCS cannot manage the security policies.
- D. In a managed L2 domain, Nuage VCS performs DHCP and ARP proxy functions, while in an unmanaged domain VCS has no visibility of IP addresses.

Correct Answer: B

QUESTION 8

What statement about the Nuage Networks VCS solution is FALSE?

- A. It virtualizes and automates the datacenter network infrastructure.
- B. It leverages a variety of open source components such as Openflow and Libvirt.
- C. The SDN controller of Nuage Networks VCS, is based on the Nokia 7750 SR OS, which is a proven and highly reliable software component.
- D. It requires a specific architecture for its networking hardware infrastructure.

Correct Answer: C

QUESTION 9

What statement regarding active/standby VSD cluster is TRUE?

- A. Both the primary and secondary cluster are running all VSD services.
- B. XMPP connections to the secondary cluster are blocked.
- C. The active/standby mode is also supported in standalone VSD.



D. VSP components (eg: VSCs) need reconfiguration after failover.

Correct Answer: C

QUESTION 10

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>

QUESTION 11

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

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>



QUESTION 13

The ML2 plug-in is part of which OpenStack project?

- A. Neutron
- B. Ironic
- C. Nova
- D. Heat

Correct Answer: A

Reference: <https://docs.openstack.org/mitaka/networking-guide/config-ml2.html>

QUESTION 14

What is NOT a requirement for modern data center networks to facilitate cloud computing?

- A. Multi-tenancy
- B. Network automation
- C. Virtual machine live migration
- D. Network function virtualization

Correct Answer: D

QUESTION 15

What is NOT a component of VSD?

- A. Neutron
- B. Statistics Engine
- C. Policy Management Engine
- D. RESTful API

Correct Answer: C

Reference:

<https://www.nuagenetworks.net/wp-content/uploads/2020/06/>

PR1507013354EN_NN_RedH_Open_Hybrid_Clouds_PartnerSolutionBrief.pdf



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