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NEW QUESTION: 1

Which of the following is a host-centric overlay solution for a modern data center?

- A. SPBM
- B. TRILL
- C. VxLAN
- D. VPLS

Answer: C ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

Modern data center, traditional technologies are limiting the speed, flexibility, scalability, and manageability

of application deployments. There is emerging interest in the industry in overlay technologies (such as

MPLS, VXLAN, LISP...)

Reference: [https://community.cisco.com/t5/data-center-documents/cisco-data-center-overlays-with-focus-](https://community.cisco.com/t5/data-center-documents/cisco-data-center-overlays-with-focus-on-vxlan-slides-from/ta-p/3159545)

[on-vxlan-slides-from/ta-p/3159545](https://community.cisco.com/t5/data-center-documents/cisco-data-center-overlays-with-focus-on-vxlan-slides-from/ta-p/3159545)

NEW QUESTION: 2

What statement regarding VSC deployment is TRUE?

- A. VSC can be deployed in standalone mode or in high-availability cluster mode.
- B. VSC is based on SR OS, and thus can be integrated module on the 7750 SR.
- C. XMPP is used to synchronize the active and standby VSCs.
- D. VSC can only be installed as virtual machines.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 3

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.

Answer: ([SHOW ANSWER](#))

Reference:

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

NEW QUESTION: 4

STION NO: 23

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

- A. NAT is performed for the traffic leaving the enterprise domain and entering the public network.
- B. They are managed by enterprise admin users.
- 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 that one floating IP address associated with one vPort.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 5

For a packet transmitted using VxLAN encapsulation, where VxLAN header within this packet.

- A. It is part of the Layer 2 Ethernet header, just like VLAN.
- B. It is added between the Layer 2 header and the Layer 3 IP header.
- C. It is added between the Layer 3 IP header and the TCP/UDP transport layer header.
- D. It is added between the UDP header and the payload

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 6

What is the difference between host vPort and bridge vPort?

- A. A host vPort is provisioned on VRS-G, while a bridge vPort is provisioned on VSG.
- B. A host vPort is provisioned for VLAN traffic, while a bridge vPort is for VxLAN traffic.
- C. A host vPort only supports one VLAN, while a bridge vPort can be configured with multiple VLANs.
- D. A host vPort requires static MAC address configuration, while a bridge vPort learns MAC addresses dynamically.

Answer: ([SHOW ANSWER](#))

Explanation

Bridge vPort hosted in Nuage VSG/VSA Gateways

Software, VRS and VRS-G hosted vPort

NEW QUESTION: 7

If we compare a Nuage Virtual Service Node to a physical service router, which module is VSC mapped to?

- A. Switch fabric
- B. Line card
- C. CPU module
- D. Internal clock

Answer: A ([LEAVE A REPLY](#))

Explanation

The switching fabric is independent of the bus technology and infrastructure used to move data between nodes and also separate from the router. The term is sometimes used to mean collectively all switching hardware and software in a network.

NEW QUESTION: 8

Which statement correctly describes cloud computing?

- A. Services are statically provisioned by a cloud service provider.
- B. Services are offered as needed through the Internet.
- C. SDN is the key enabler for cloud computing.
- D. It provides convenient, permanent network access to a shared pool of computing resources.

Answer: D ([LEAVE A REPLY](#))

Explanation

Cloud computing is a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources

NEW QUESTION: 9

Which protocol is used for VSC federation?

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

Answer: (SHOW ANSWER)

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-Architecture- White-Paper.pdf](http://www.nuage networks.net/wp-content/uploads/2015/08/NuageNetworks-Architecture-White-Paper.pdf)

NEW QUESTION: 10

Which mapping between a VSD service abstraction and an overlay service instance is correct?

- A. Virtual machine -SAP
- B. Subnet-VRPN service instance
- C. Zone-VPLS service instance
- D. Domain- VRPN service instance

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

What is the difference between host vPort and bridge vPort?

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Answer: A ([LEAVE A REPLY](#))

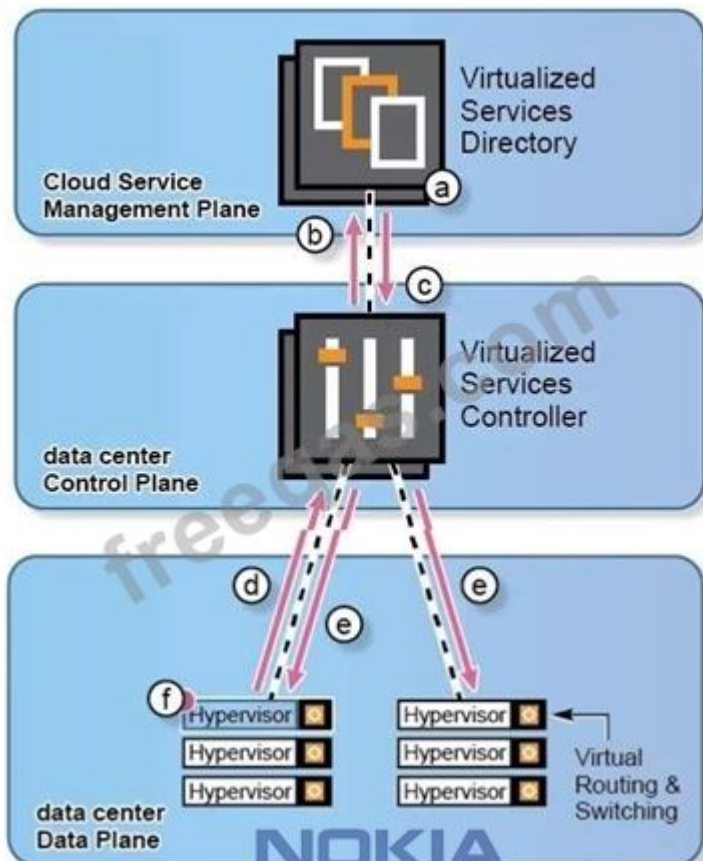
Explanation

Bridge vPort hosted in Nuage VSG/VSA Gateways

Software, VRS and VRS-G hosted vPort

NEW QUESTION: 12

Refer to the diagram.



What is the correct sequence of events for a VM to be instantiated, and for its required network connectivity to be created with the Nuage VCS solution? a. Network domain and policy templates

are defined on VSD. b. VSC queries VSD on network service and policies. c. VSD provides VSC with network service and policies. d. VRS agent informs VSC of the new VM placement. e. VSC deploys policy to applicable VRS agents. f. VM instantiated on the hypervisor.

A. a->b->c->d->e->f

B. a->b->c->f->d->-e

C. a->f->d->b->c->-e

D. f->d->b->a>c->-e

Answer: D ([LEAVE A REPLY](#))

Explanation/Reference:

NEW QUESTION: 13

Which of the following is NOT a goal of NFV?

A. Efficiency through automation

B. Reduce equipment cost

C. Faster time-to-market for new services

D. Increase network bandwidth

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 14

What use case does not apply in virtual machine migration?

A. Optimization of East-West traffic flows.

B. Avoidance of disaster caused by a power outage or hardware failure.

C. Maintenance and upgrading of the servers.

D. Entry saving by shutting sown under-utilized servers after moving all their VNs.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 15

What statement about the Nuage Networks VCS solution is FALSE?

A. It requires a specific architecture for its networking hardware infrastructure.

B. It leverages a variety of open source components such as Openflow and Libvirt.

C. It virtualizes and automates the datacenter network infrastructure.

D. The SDN controller of Nuage Networks VCS, is based on the Nokia 7750 SR OS, which is a proven and highly reliable software component.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 16

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

A. Sub-optimal traffic flow.

B. About half of the bandwidth is not used due to links being disabled by STP.

C. High latency for some applications.

D. High packet loss due to the use of the 3-tier hierarchy.

Answer: A ([LEAVE A REPLY](#))

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NEW QUESTION: 17

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.

Answer: B ([LEAVE A REPLY](#))

Explanation

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

NEW QUESTION: 18

What is the difference between host vPort and bridge vPort?

- A.** A host vPort is provisioned on VRS-G, while a bridge vPort is provisioned on VSG.
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- C.** A host vPort only supports one VLAN, while a bridge vPort can be configured with multiple VLANs.
- D.** A host vPort requires static MAC address configuration, while a bridge vPort learns MAC addresses dynamically.

Answer: A ([LEAVE A REPLY](#))

Bridge vPort hosted in Nuage VSG/VSA Gateways

Software, VRS and VRS-G hosted vPort

Reference: <https://matscloud.blogspot.com/2017/06/nuage-networks-vsp-deep-dive.html>

NEW QUESTION: 19

Which of the following is a host-centric overlay solution for a modern data center?

- A.** SPBM

- B. TRILL
- C. VXLAN
- D. VPLS

Answer: C ([LEAVE A REPLY](#))

Modern data center, traditional technologies are limiting the speed, flexibility, scalability, and manageability of application deployments. There is emerging interest in the industry in overlay technologies (such as MPLS, VXLAN, LISP...)

NEW QUESTION: 20

Which VSD component provides a south-bound interface for communication with the VSC?

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

Answer: A ([LEAVE A REPLY](#))

VSD mediator is a VSD Southbound interface used for communication to the VSC. Reference: <https://matscloud.blogspot.com/2017/06/nuage-networks-vsp-deep-dive.html>

NEW QUESTION: 21

If we compare a Nuage Virtual Service Node to a physical service router, which module is VSC mapped to?

- A. Switch fabric
- B. Line card
- C. CPU module
- D. Internal clock

Answer: A ([LEAVE A REPLY](#))

The switching fabric is independent of the bus technology and infrastructure used to move data between nodes and also separate from the router. The term is sometimes used to mean collectively all switching hardware and software in a network.

NEW QUESTION: 22

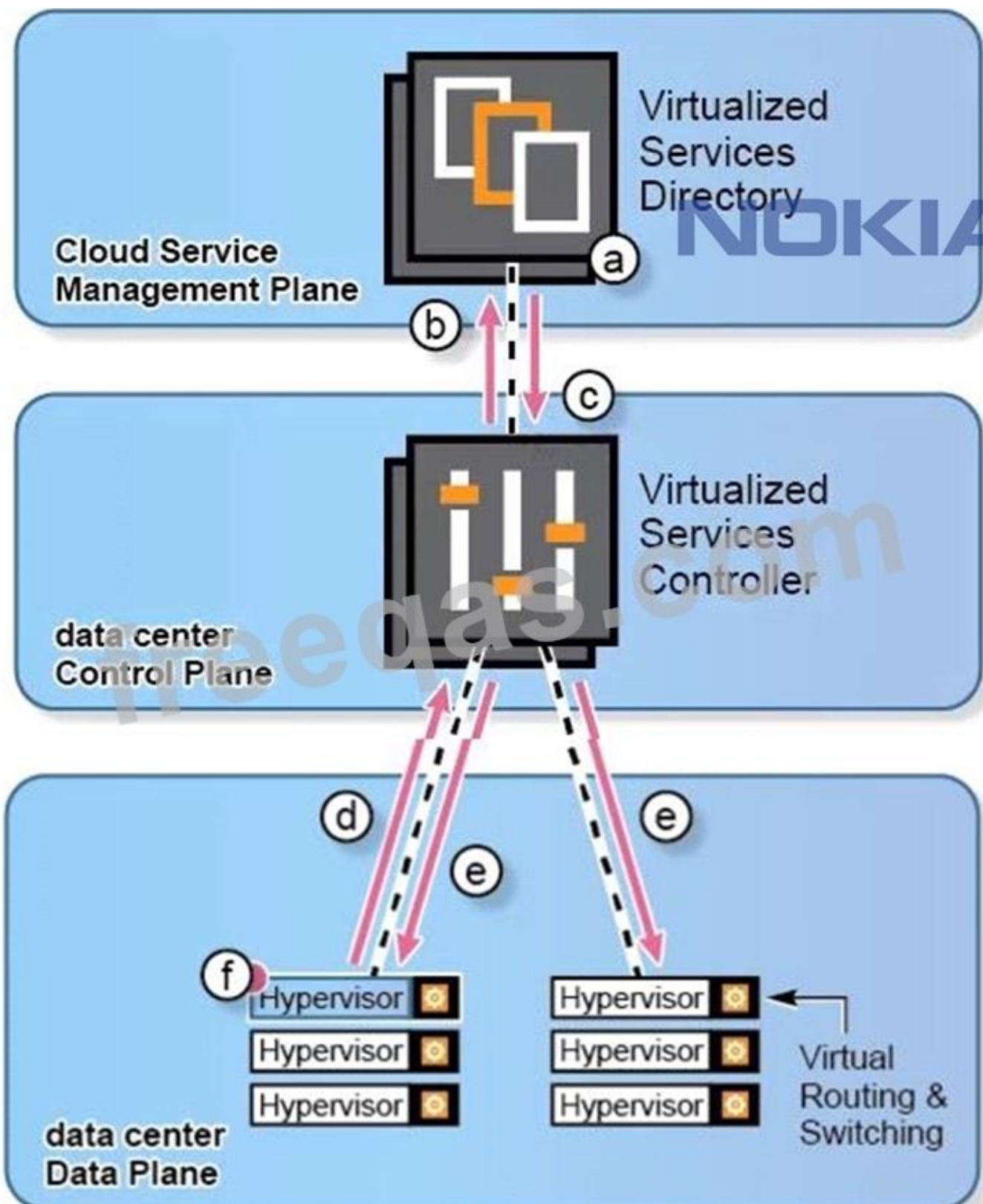
What statement is TRUE regarding the workflow for live migration of a virtual machine with Nuage VCS?

- A. Both the source and destination hypervisor's VRS agents notify the VSC of the VM migration.
- B. Only the destination hypervisor's VRS agent notifies the VSC of the VM migration.
- C. VSD is not notified of the VM migration.
- D. CMS (if used) is not notified of the VM migration.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 23

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.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 24

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

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

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 25

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.

Answer: A ([LEAVE A REPLY](#))

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

NEW QUESTION: 26

What statement is TRUE regarding the security policies provided by Nuage VCS?

- A. The match criteria in security policies can be based on MAC address, IP address and TCP/UDP port number.
- B. Each policy entry has an associated priority that defines the order in which policy entries are evaluated.
- C. Ingress security policy controls the traffic flowing into the virtual machine.
- D. The default ingress security policy allows all traffic to be forwarded.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 27

What statement about policy groups is FALSE?

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

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 28

Which of the following is a solution to create virtual is which the server runs the hypervisor as a specialized operating system and, as a consequence, there is no need for a conventional operating system?

- A. Kernel
- B. Native hypervisor
- C. Container
- D. Hosted hypervisor

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 29

When using a VXLAN gateway to connect VLAN-based equipment with VMs inside a VXLAN datacenter, what types of vPorts can be used on the VSD GUI to connect those VLAN-based devices?

- A. Bridge vPort and gateway vPort.
- B. Host vPort and bridge vPort.
- C. Gateway vPort and VM vPort.
- D. VM vPort and host vPort.

Answer: A [\(LEAVE A REPLY\)](#)

NEW QUESTION: 30

What statement is TRUE regarding the security policies provided by Nuage VCS?

- A. The match criteria in security policies can be based on MAC address, IP address and TCP/UDP port number.
- B. Ingress security policy controls the traffic flowing into the virtual machine.
- C. The default ingress security policy allows all traffic to be forwarded.
- D. Each policy entry has an associated priority that defines the order in which policy entries are evaluated.

Answer: A [\(LEAVE A REPLY\)](#)

NEW QUESTION: 31

What statement regarding Openflow sessions in data center networks is TRUE?

- A. By default, the Openflow session is established with TCP port 6633.
- B. Openflow sessions run between VSCs.
- C. Security is mandatory with SSL encryption.
- D. Openflow sessions can be established over either the data plane or the management plane.

Answer: C [\(LEAVE A REPLY\)](#)

Explanation

SSL (Secure Sockets Layer) is the standard security.

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NEW QUESTION: 32

What impact does server virtualization have on a traditional datacenter network?

- A. Traditional network configuration involves manual interaction, which cannot keep up with the dynamic reallocation of compute resources to virtual machines.
- B. Server virtualization requires a hardware upgrade of the network devices (for example, TOR/EOR switch, leaf and spine routers) in a traditional datacenter network.
- C. Traffic between the virtual machines must be carried in the overlay network, which is not supported by a traditional datacenter network.
- D. Server virtualization requires a software upgrade of the network devices (for example, TOR/EOR switch, leaf and spine routers) in a traditional datacenter network.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

What statement is FALSE regarding the relationship between a zone and a subnet within a domain?

- A. Each zone can have multiple subnets.
- B. Each subnet can belong to multiple zones.
- C. A security policy applied to the zone impacts all subnets associated to that zone.
- D. A QoS policy defined at the subnet level takes precedence over a QoS policy defined at the zone level.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 34

Which four Openstack projects implement Nuage integration?

- A. Keystone, Heat, Neutron, Nova
- B. Cinder, Horizon, Neutron, Nova
- C. Ironi, Heat, Horizon, Neutron
- D. Ironi, Heat, Neutron, Nova

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 35

What statement about virtual switches is FALSE?

- A. A virtual switch is typically implemented within the hypervisor so that the network is extended onto the server.
- B. If a virtual switch is not on the hypervisor, all traffic will go out of the physical NIC.
- C. Typically, virtual switches are as capable as physical switches, eg: LAG, hardware-based QoS.
- D. Virtual switches are VLAN capable.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 36

What mapping is FALSE?

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

Answer: A ([LEAVE A REPLY](#))

Reference:

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

NEW QUESTION: 37

What statement about the Nuage 7850 VSG is TRUE?

- A. UP to four Nuage VSGs can be combined into a single chassis.
- B. 1.2 Tbps capacity in 1 RU.
- C. It is ideal as a spine router.
- D. A hypervisor can be connected to two Nuage 7850 VSGs in an active.active MC-LAG

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 38

What statement about virtual switches is FALSE?

- A. Typically, virtual switches are as capable as physical switches, eg: LAG, hardware-based QoS.
- B. If a virtual switch is not on the hypervisor, all traffic will go out of the physical NIC.
- C. A virtual switch is typically implemented within the hypervisor so that the network is extended onto the server.
- D. Virtual switches are VLAN capable.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 39

What statement regarding VSD user management is TRUE?

- A. We can create CMS user groups for each enterprise.

- B. Each enterprise user belongs to only one user group.
- C. Open LDAP and Active Directory can be integrated into VSD.
- D. LDAP integration is configured at the VSD global level, and it is not configurable enterprise.

Answer: B ([LEAVE A REPLY](#))

Explanation

Easy as adding them to a specific user group.

NEW QUESTION: 40

Which protocol is used for VSC federation?

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

Answer: C ([LEAVE A REPLY](#))

Explanation

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.

NEW QUESTION: 41

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

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

Answer: A ([LEAVE A REPLY](#))

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

NEW QUESTION: 42

Which of the following is a host-centric overlay solution for a modern data center?

- A. SPBM
- B. TRILL
- C. VxLAN
- D. VPLS

Answer: C ([LEAVE A REPLY](#))

Explanation

Modern data center, traditional technologies are limiting the speed, flexibility, scalability, and manageability of application deployments. There is emerging interest in the industry in overlay technologies (such as MPLS, VXLAN, LISP...)

NEW QUESTION: 43

Which of the following is NOT Nuage Networks metadata required when creating a virtual machine?

- A. Enterprise
- B. Subnet
- C. VLAN ID
- D. User

Answer: C ([LEAVE A REPLY](#))

Reference:

<https://nuagenetworks.github.io/2016/03/25/Migrating-ESXi-Workloads-to-Nuage.html>

NEW QUESTION: 44

What statement best describes the concept of Policy-Based Automation provided by Nuage Networks?

- A. The overlay network instances are automatically created according to the configuration details defined in a specific policy.
- B. Network devices as TOR/EOR switch, and leaf/spine routers, are automatically provisioned based on the configuration policy.
- C. The Nuage Networks VCS solution can integrate with any CMS, operate on any hypervisor, and be deployed in any data center network.
- D. The virtual machines are automatically instantiated according to the specific policy defined in the CMS.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 45

Which mapping between a VSD service abstraction and an overlay service instance is correct?

- A. Domain- VPRN service instance
- B. Zone-VPLS service instance
- C. Subnet-VPRN service instance
- D. Virtual machine -SAP

Answer: A ([LEAVE A REPLY](#))

Explanation/Reference:

Reference: <https://matscloud.blogspot.com/2017/06/nuage-networks-vsp-deep-dive.html>

NEW QUESTION: 46

When using a VXLAN gateway to connect VLAN-based equipment with VMS inside a VXLAN data center, what types of vPort can be used on the VSD GUI to connect those VLAN-based devices?

- A. Host vPort and bridge vPort
- B. Gateway vport and VM vPort.
- C. Bridge V vport gateway vPort.
- D. VM vPort and host

Answer: ([SHOW ANSWER](#))

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Explanation

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and reachability. Through Openflow, it distributes relevant switching and routing information to hypervisors

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