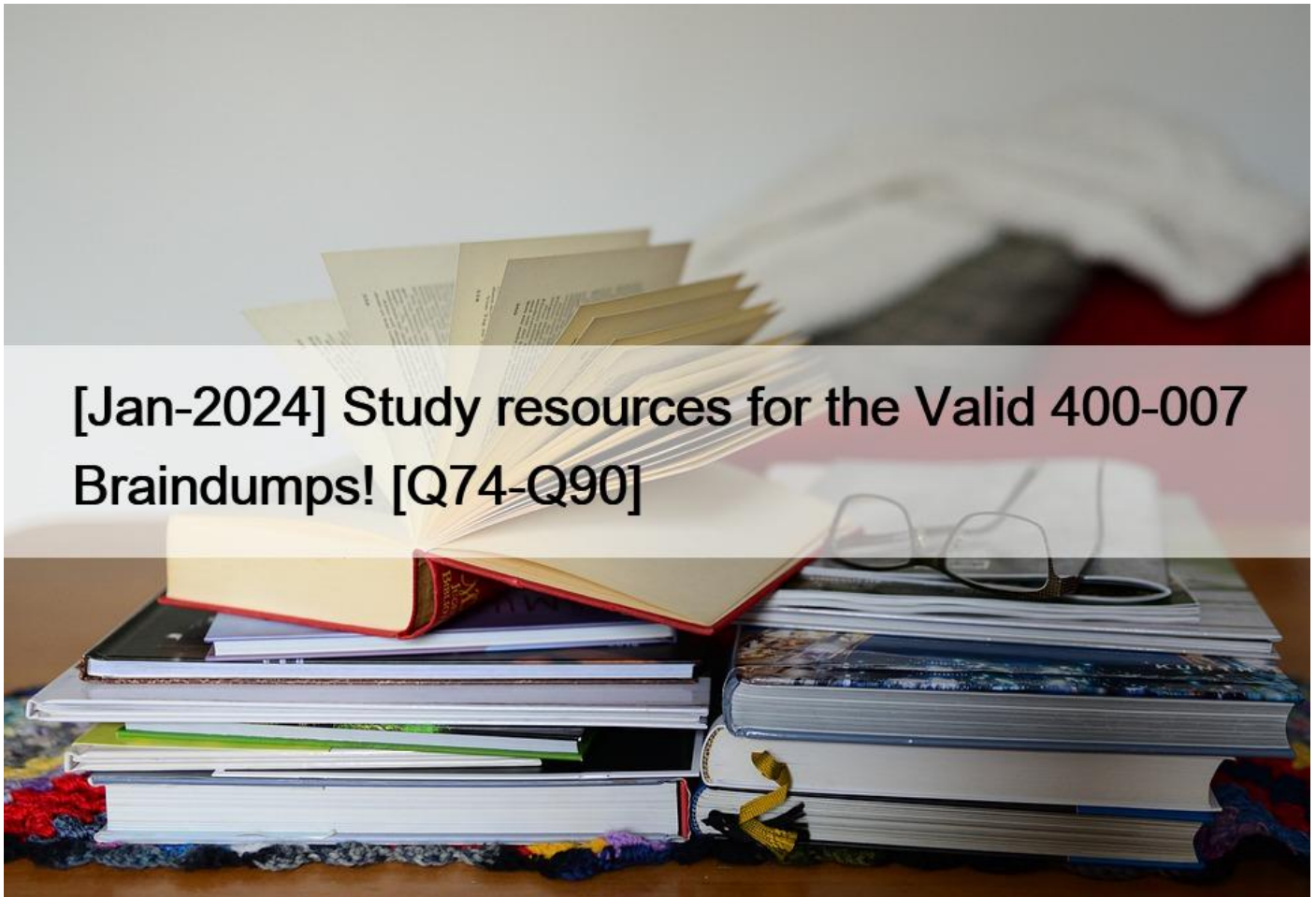


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QUESTION 74

An enterprise solution team is performing an analysis of multilayer architecture and multicontroller SDN solutions for multisite deployments. The analysis focuses on the ability to run tasks on any controller via a standardized interface. Which requirement addresses this ability on a multicontroller platform?

- * Deploy a root controller to gather a complete network-level view.
- * Use the East-West API to facilitate replication between controllers within a cluster.
- * Build direct physical connectivity between different controllers.
- * Use OpenFlow to implement and adapt new protocols.

QUESTION 75

Refer to the table.

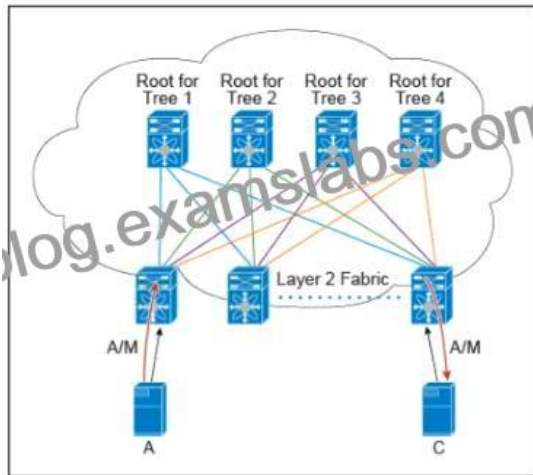
CONNECTIVITY	CAPEX	OPEX ANNUAL	INSTALLATION FEE	TERM
DWDM over dark fiber	\$200,000	\$100,000	\$30,000	12 months
CWDM over dark fiber	\$150,000	\$100,000	\$25,000	18 months
MPLS wires only	\$50,000	\$180,000	\$5,000	12 months
Metro Ethernet	\$65,000	\$100,000	\$5,000	36 months

A customer investigates connectivity options for a DCI between two production data centers to aid a large-scale migration project. The migration is estimated to take 20 months to complete but might extend an additional 10 months if issues arise. All connectivity options meet the requirements to migrate workloads. Which transport technology provides the best ROI based on cost and flexibility?

- * CWDM over dark fiber
- * MPLS
- * DWDM over dark fiber
- * Metro Ethernet

QUESTION 76

Refer to the exhibit.

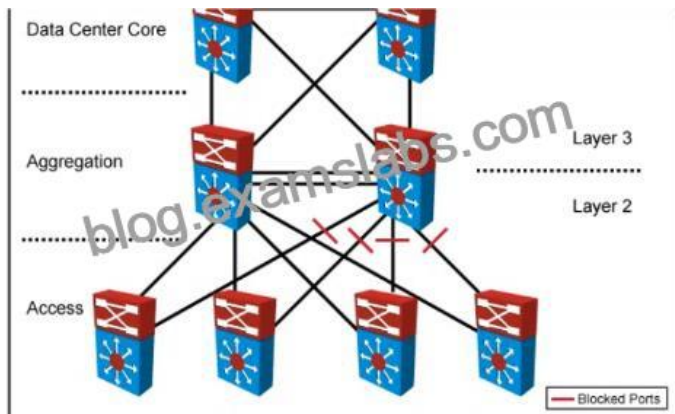


There are multiple trees in the Cisco FabricPath All switches in the Layer 2 fabric share the same view of each tree. Which two concepts describe how the multicast traffic is load-balanced across this topology? (Choose two)

- * A specific (S.G) traffic is not load-balanced
- * All trees are utilized at the same level of the traffic rate
- * Every leaf node assigns the specific (S.G) to the same tree.
- * A specific (S.G) multicast traffic is load-balanced across all trees due to better link utilization efficiency.
- * The multicast traffic is generally load-balanced across all trees

QUESTION 77

Refer to the exhibit.



Your company designed a network to allow server VLANs to span all access switches in a data center. In the design, Layer 3 VLAN interfaces and HSRP are configured on the aggregation switches. Which two features improve STP stability within the network design? (Choose two.)

- * BPDU guard on access ports
- * BPDU guard on the aggregation switch downlinks toward access switches
- * root guard on the aggregation switch downlinks toward access switches
- * root guard on access ports
- * edge port on access ports
- * access switch pairs explicitly determined to be root and backup root bridges

QUESTION 78

Refer to the exhibit.

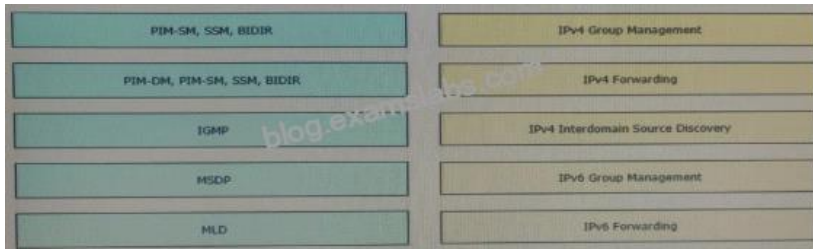


An engineer is designing the network for a multihomed customer running in AS 111. AS 111 does not have any other ASs connected to it. Which technology is more comprehensive to use in the design to make sure that the AS is not being used as a transit AS?

- * Configure the AS-set attribute to allow only routes from AS 111 to be propagated to the neighbor ASs.
- * Use the local preference attribute to configure your AS as a non-transit AS.
- * include an AS path access list to send routes to the neighboring ASs that only have AS 111 in the AS path field.
- * Include a prefix list to only receive routes from neighboring ASs.

QUESTION 79

Drag and drop the multicast protocols from the left onto the current design situation on the right.



QUESTION 80

Which two possible drawbacks should you consider when introducing Network Functions Virtualization in a network design? (Choose two)

- * Bandwidth utilization increases
- * Traffic flows are suboptimal
- * High-end routers are required to support NFV
- * OpenFlow must be supported in the network
- * An SDN orchestration layer is required to support NFV

QUESTION 81

While designing a switched topology, in which two options is UplinkFast recommended? (Choose two)

- * when switches of different spanning-tree types are connected (for example. 802.1d connecting to

802.1w)

- * on distribution layer switches
- * when hello timers are changed to more aggressive values
- * on access layer switches
- * on the core switches

QUESTION 82

Refer to the exhibit.



The enterprise customer wants to stream one-way video from their head office to eight branch offices using multicast. Their current service provider provides a Layer3 VPN solution and manages the CE routers, but they do not currently support multicast. Which solution quickly allows this multicast traffic to go through while allowing for future scalability?

- * Enable a GRE tunnel between nodes CE1 and CE2
- * Enable a GRE tunnel between nodes C2 and C4
- * Enable a GRE tunnel between nodes C1 and C4
- * Implement hub and spoke MPLS VPN over DMVPN (also known as 2547o DMVPN) between CE1 and CE2
- * The service provider must provide a Draft Rosen solution to enable a GRE tunnel between nodes PE1 and PE2

QUESTION 83

Company XYZ is designing the IS-IS deployment strategy for their multiarea IS-IS domain. They want IS-IS neighbour relationships to be minimized on each network segment and want to optimize the size of the IS-IS LSDB on each router. Which can design can be used to meet these requirements?

- * Design all routers as Level 2 routers. Set the links between the routers as Level 1 with the area
- * Design the network so that the routers connecting to other areas are Level 2 routers and internal routers are Level 1
- * Design the network so that all routers are Level 1 routers
- * Design the network so that the routers connecting to other areas are Level 1/Level 2 routers and internal routers are Level 1

QUESTION 84

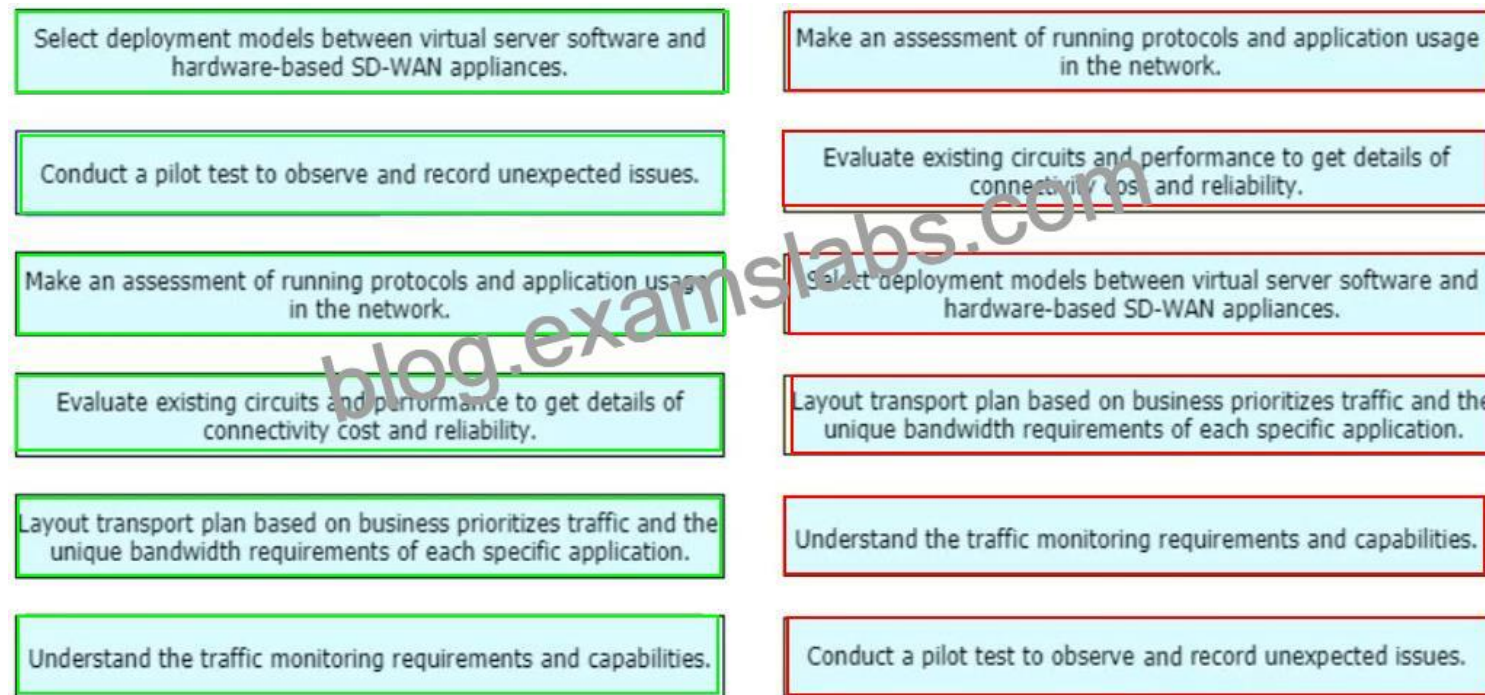
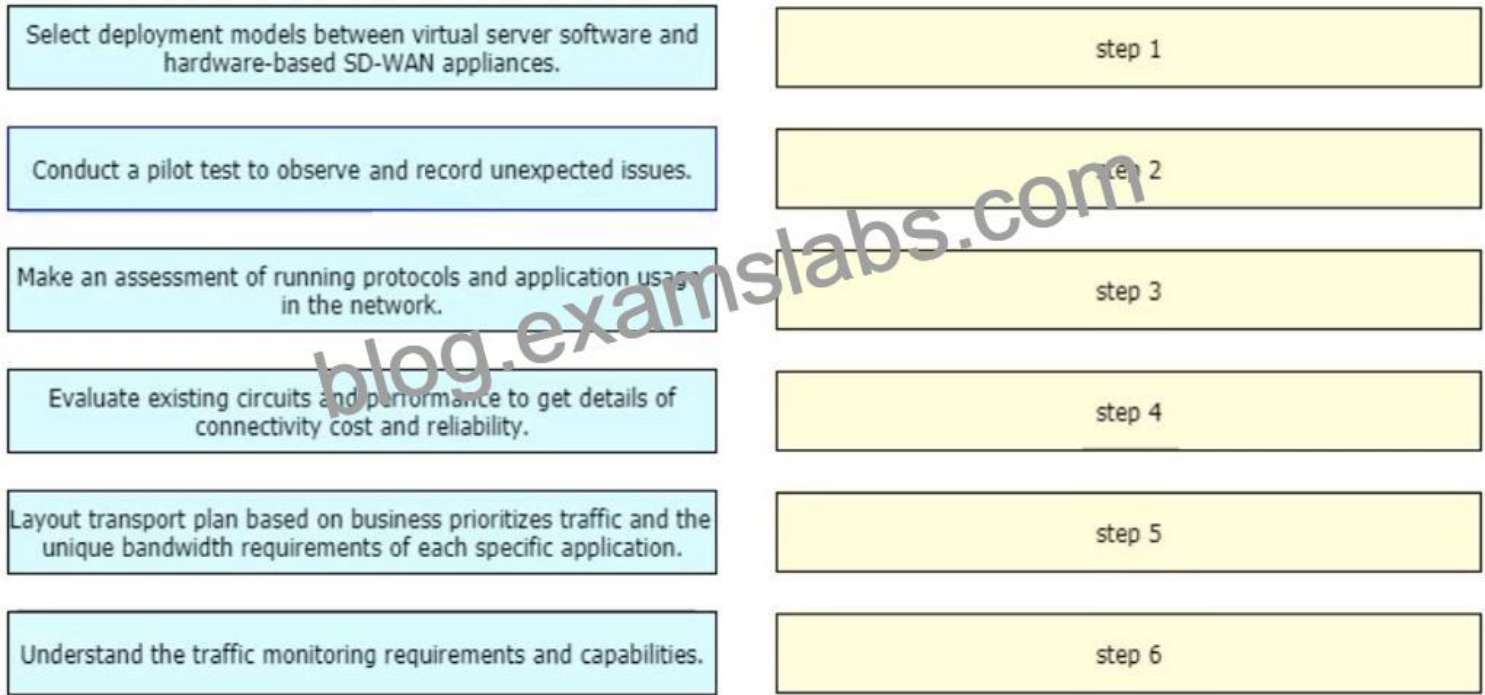
You are designing an Out of Band Cisco Network Admission Control. Layer 3 Real-IP Gateway deployment for a customer Which VLAN must be trunked back to the Clean Access Server from the access switch?

- * authentication VLAN
- * user VLAN
- * untrusted VLAN
- * management VLAN

QUESTION 85

An enterprise organization currently provides WAN connectivity to their branch sites using MPLS technology, and the enterprise network team is considering rolling out SD-WAN services for all sites.

With regards to the deployment planning, drag and drop the actions from the left onto the corresponding steps on the right.



QUESTION 86

An architect designs a multi-controller network architecture with these requirements:

- * Achieve fast failover to control traffic when controllers fail.
- * Yield a short distance and high resiliency in the connection between the switches and the controller.

- * Reduce connectivity loss and enable smart recovery to improve the SDN survivability.
- * Improve connectivity by adding path diversity and capacity awareness for controllers.

Which control plane component of the multi-controller must be built to meet the requirements?

- * control node reliability
- * controller stale consistency
- * control path reliability
- * controller clustering

QUESTION 87

In an OSPF network with routers connected together with Ethernet cabling, which topology typically takes the longest to converge?

- * partial mesh
- * full mesh
- * ring
- * squared
- * triangulated

QUESTION 88

You are designing a network for a branch office. In order to improve convergence time, you are required to use the BFD feature. Which four routing protocols can you use to facilitate this? (Choose four.)

- * IS-IS
- * static
- * RIP
- * EIGRP
- * BGP

QUESTION 89

Which two factors must be considered for high availability in campus LAN designs to mitigate concerns about unavailability of network resources? (Choose two.)

- * device resiliency
- * device type
- * network type
- * network resiliency
- * network size

QUESTION 90

A customer has a functional requirement that states HR systems within a data center should be segmented from other systems that reside in the same data center and same VLAN. The systems run legacy applications by using hard-coded IP addresses. Which segmentation method is suitable and scalable for the customer?

- * data center perimeter firewalling
- * VACLs on data center switches
- * transparent firewalling
- * routed firewalls

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