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NEW QUESTION: 1

A network uses an SDN architecture with switches and a centralized controller What should be on the switches but not on the controller?

- A. a southbound interface
- B. data plane functions
- C. northbound interface
- D. control plane functions

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

NEW QUESTION: 2

A business wants to refresh its legacy Frame Relay WAN It currently has product specialists in each of its 200 branches but plans to reduce and consolidate resources. The goal is to have product specialists available via video link when customers visit the nationwide branch offices Which technology should be used to meet this objective?

- A. Layer 2 VPLS
- B. Layer 3 MPLS VPN full mesh
- C. Layer 3 MPLS VPN hub and spoke
- D. DMVPN phase 1 network over the Internet

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

By monitoring the effects of the design variations, you can characterize the relative resilience of the design.

Which method involves disturbing the network by removing an active interface and monitoring how the change is handled by the network?

- A. failover testing
- B. passive monitoring
- C. randomized configuration
- D. nondeterministic analysis

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

NEW QUESTION: 4

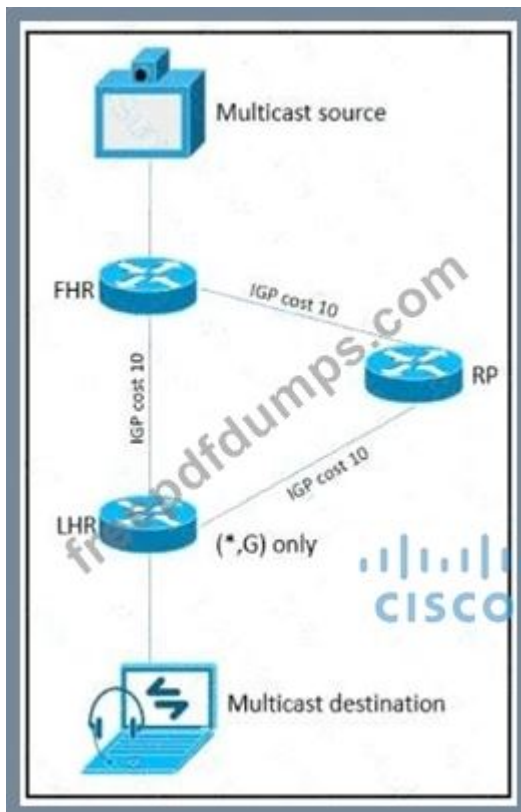
Compared to data plane traffic, control plane traffic is relatively small in volume, but these flows are critical to the overall functioning of the network infrastructure and to voice and video endpoint well. When designing a QoS policy for a network, which two actions for the network control service-class is recommended?

(Choose two)

- A. WRED must be enabled on the class to avoid traffic being dropped
- B. Network control traffic may be assigned a moderately provisioned shared queue
- C. Traffic in this class needs to carry a CS6 DSCP marking.
- D. A moderately provisioned guaranteed-bandwidth queue can be assigned
- E. Place the traffic in the same queue as other signalling traffic.

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

NEW QUESTION: 5



Refer to the exhibit. As part of a redesign project, you must predict multicast behavior . What happens to the multicast traffic received on the shared tree (*,G), if it is received on the LHR interface indicated*?

- A. It is switched given that no RPF check is performed.
- B. It is dropped due to an unsuccessful RPF check against the multicast receiver.
- C. It is dropped due to an unsuccessful RPF check against the multicast source.
- D. It is switched due to a successful RPF check against the routing table

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

NEW QUESTION: 6

A mega store plans to expand its business into the online world, and wants to operate using the highest possible security standards to prove to their customers that they take handling of their payment information seriously. Only TLS v1.3 will be allowed on their websites. Which type of SSL certificate will emphasize their commitment to enforcing high security standards and minimize risk of spoofing?

- A. EV SSL certificate

- B. DV SSL certificate
- C. OV SSL certificate
- D. PV SSL certificate

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

NEW QUESTION: 7

What is the best approach to ensure both scalability and high availability for a cloud-based storage solution over the IP network?

- A. Utilizing a Storage Area Network (SAN) with redundant controllers and paths for storage access.
- B. Implementing Network Attached Storage (NAS) devices in a clustered configuration for load balancing.
- C. Using a RAID (Redundant Array of Independent Disks) setup to provide data redundancy and improve performance.
- D. Deploying a Content Delivery Network (CDN) to cache and serve frequently accessed storage content.

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

NEW QUESTION: 8

Which two network design considerations improve the maximum link utilization? (Choose two)

- A. programmatically rate-limiting traffic at the senders
- B. channelizing the traffic at the receivers
- C. differentiating the path calculation
- D. decentralizing the classes of traffic
- E. centralizing the decision-making process

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

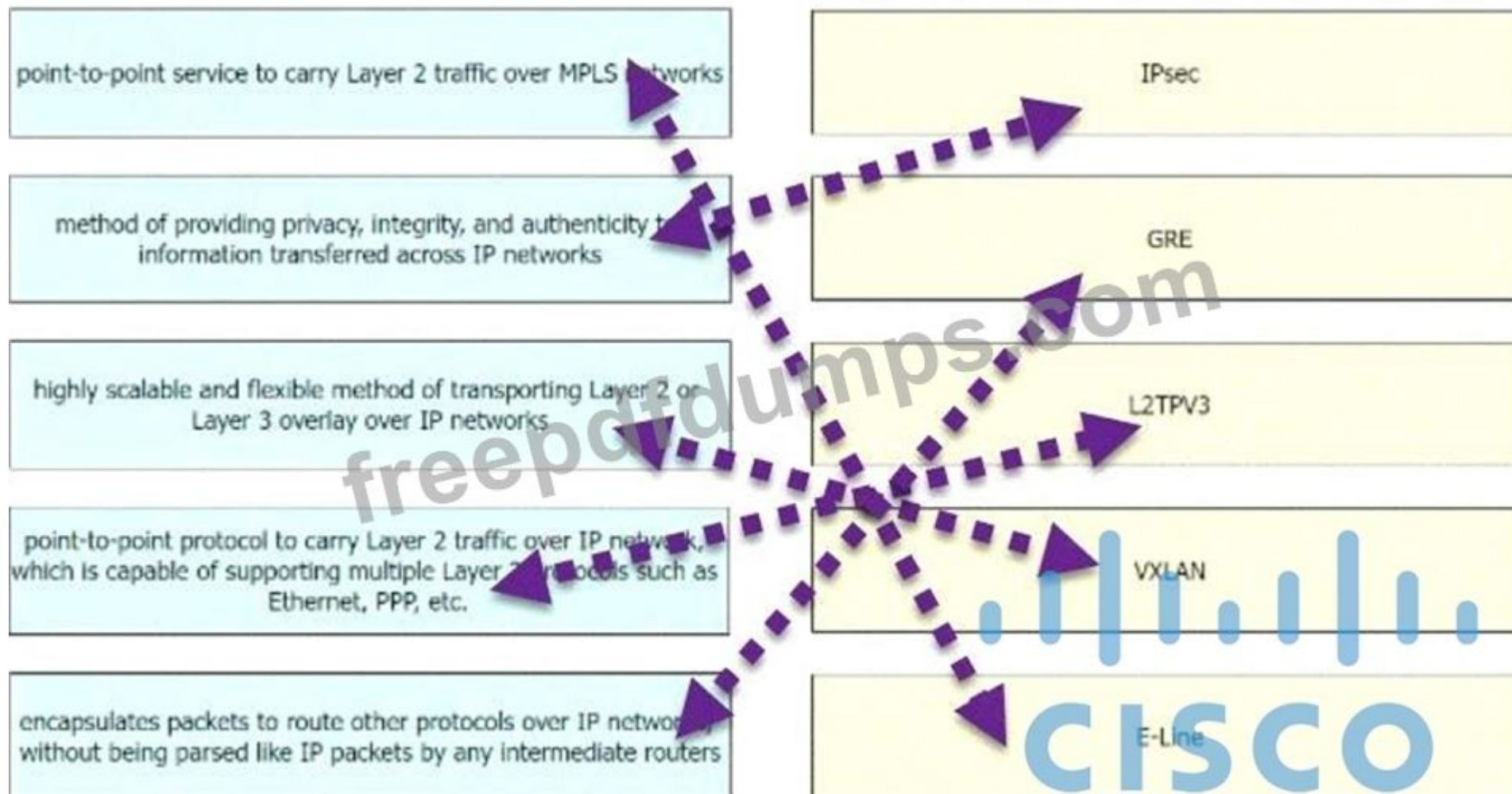
NEW QUESTION: 9

Drag and drop the right functional descriptions from the left onto the corresponding protocols on the right.

point-to-point service to carry Layer 2 traffic over MPLS networks	IPsec
method of providing privacy, integrity, and authenticity to information transferred across IP networks	GRE
highly scalable and flexible method of transporting Layer 2 or Layer 3 overlay over IP networks	L2TPV3
point-to-point protocol to carry Layer 2 traffic over IP network, which is capable of supporting multiple Layer 2 protocols such as Ethernet, PPP, etc.	VXLAN
encapsulates packets to route other protocols over IP networks, without being parsed like IP packets by any intermediate routers	E-Line

Answer:

point-to-point service to carry Layer 2 traffic over MPLS networks	method of providing privacy, integrity, and authenticity to information transferred across IP networks
method of providing privacy, integrity, and authenticity to information transferred across IP networks	encapsulates packets to route other protocols over IP networks, without being parsed like IP packets by any intermediate routers
highly scalable and flexible method of transporting Layer 2 or Layer 3 overlay over IP networks	point-to-point protocol to carry Layer 2 traffic over IP network, which is capable of supporting multiple Layer 2 protocols such as Ethernet, PPP, etc.
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encapsulates packets to route other protocols over IP networks, without being parsed like IP packets by any intermediate routers	point-to-point service to carry Layer 2 traffic over MPLS networks



NEW QUESTION: 10

Which development model is closely associated with Agile project management?

- A. evolutionary delivery model
- B. lifecycle model
- C. starfish model
- D. static model

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

NEW QUESTION: 11

Which two compliance audit functions are useful to meet business requirements? (Choose two.)

- A. audit monitoring
- B. risk identification audit resolution
- C. advise auditing
- D. risk prevention

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

NEW QUESTION: 12

Comparing traditional networks with SDN, where the network is only application aware, what is the advantage of SDN architecture?

- A. has faster network convergence time during catastrophic failures
- B. integrates real-time information about networking activity with the applications
- C. simplifies device management by managing each device independently
- D. is resilient to scale with fixed number of network devices

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

NEW QUESTION: 13

A multinational corporation intends to deploy AI/ML-driven analytics for consumer data. The company operates in multiple locations, including the EU, where data protection regulations are rigorous. The organization must guarantee that its AI/ML solution adheres to local regulations, especially with data storage and processing. Which cloud environment will most effectively meet the company's data sovereignty needs while assuring adherence to regional data protection regulations?

- A. using a public cloud infrastructure that permits the storage and processing of customer data in any worldwide region, devoid of specific local limitations
- B. storing client data in a public cloud environment situated outside the EU and processing it via a centralized AI/ML system in the United States
- C. employing a hybrid cloud infrastructure, wherein customer data from the EU is retained in local data centers and processed within a centralized AI/ML system situated in a separate jurisdiction
- D. storing client data in a private cloud situated within the EU region to adhere to local data protection regulations

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

NEW QUESTION: 14

The first step to building an AI strategy is understanding how it helps achieve business goals and objectives. AI-first scorecard is an assessment of your organization's readiness to adopt and integrate AI technologies to gauge your capabilities and align stakeholders. Which scorecard is useful to understand whether the organization's digital infrastructure is strong enough to ensure seamless, standardized data flow between systems with optimal performance?

- A. AI Architecture
- B. Data Adoption
- C. Data Governance
- D. Transfer Capabilities

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

NEW QUESTION: 15

Flow is a set of IP packets passing an observation point in the network during a certain time interval. A flow could consist of all packets in a specific transport connection or a media stream. Packet flow temporal efficiency can be affected by one-way delay. Drag and drop the delay types from the left onto the corresponding definitions on the right. Not all are used.

processing delay

time a packet waits in a queue until it can be transmitted

queuing delay

amount of time necessary to push all the packet into the wire

transmission delay

time taken to process a packet in a network node

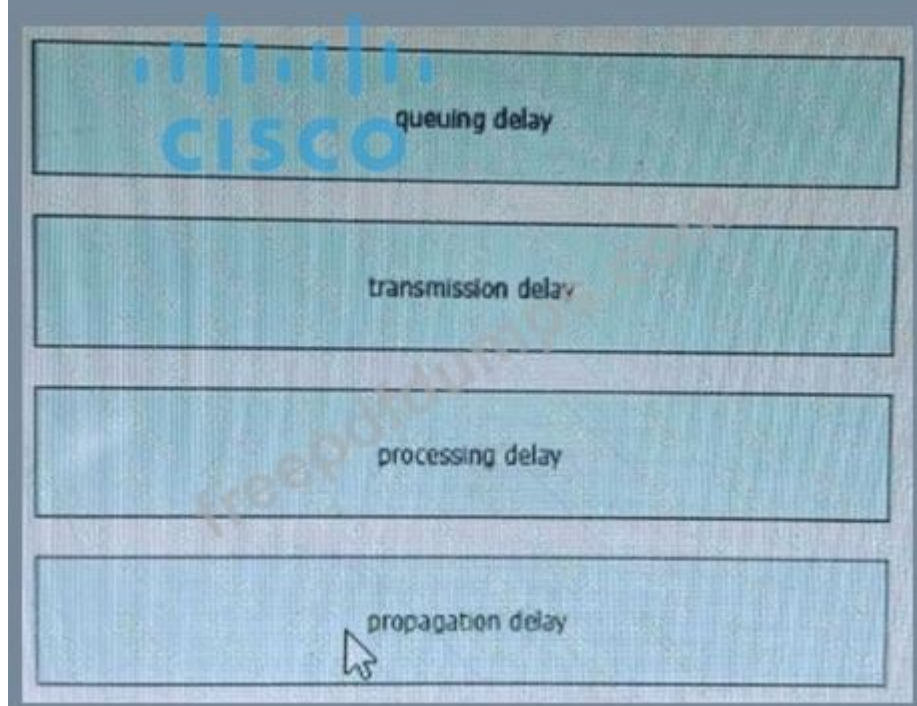
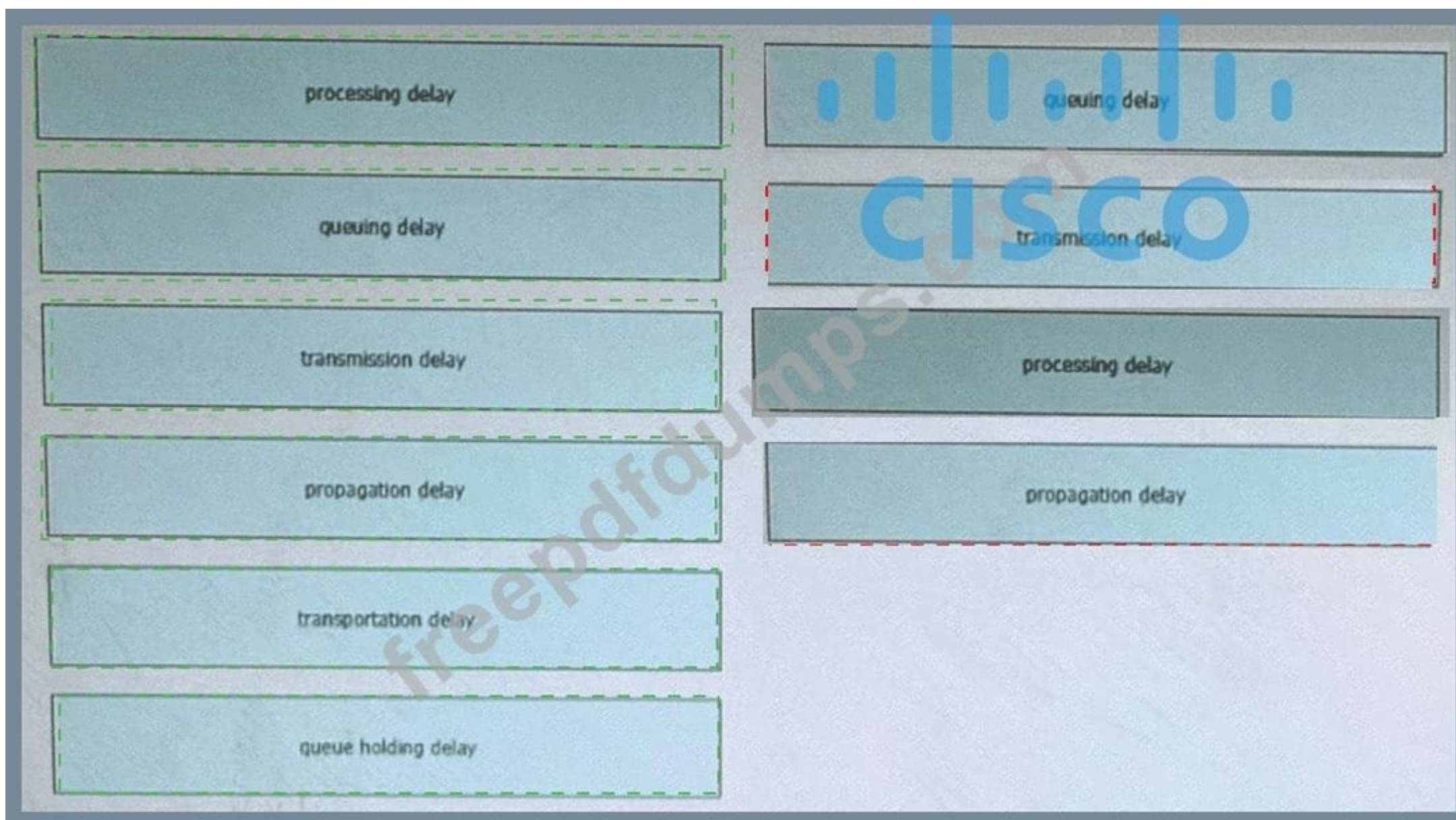
propagation delay

amount of time it takes the signal header to travel from the sender to the receiver

transportation delay

queue holding delay

Answer:



NEW QUESTION: 16

Refer to the exhibit. An engineer is designing the network for a multihomed customer running in 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?

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

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

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NEW QUESTION: 17

The API of an SDN controller named CTL-A uses the HTTP POST method and the same URL for all resources The JSON body of each message is used to get information for specific resources and operations The API of a SDN controller named CTL-B uses HTTP CRUD methods and a uniform interface with different URLs for each resource Which API type is used by each SDN controller?

- A. CTL-B uses a RESTful API and CTL-A has an HTTP-based API
- B. CTL-A uses a RESTful API and CTL-B has an HTTP-based API
- C. CTL-A and CTL-B have a RESTful API
- D. CTL-A and CTL-B have a non-RESTful API

Answer: ([SHOW ANSWER](#))

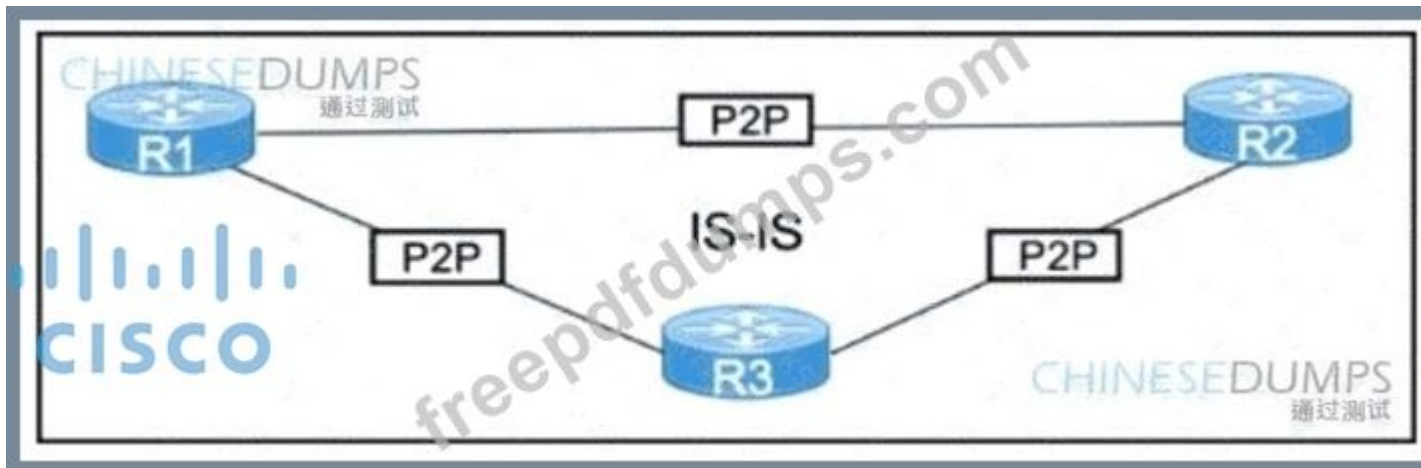
NEW QUESTION: 18

Company XYZ has designed their network to run GRE over IPsec on their Internet- based VPN to connect two sites Which IPsec tunneling feature can they enable to optimize the data flow while ensuring that the headers contain no duplicate IP addresses?

- A. Transport Mode in IPsec Phase I
- B. unnel Mode in IPsec Phase I
- C. Tunnel Mode in IPsec Phase II
- D. Transport Mode in IPsec Phase II

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

NEW QUESTION: 19



Refer to the exhibit After a network audit a network engineer must optimize the current network convergence time The proposed solution must consider link layer and control plane failures Which solution meets the requirements?

- A. Enable LSP fast flood
- B. Increase fast hello timers.
- C. Configure denounce timers
- D. Implement BFD

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

NEW QUESTION: 20

A multicast network is using Bidirectional PIM. Which two combined actions achieve high availability so that two RPs within the same network can act in a redundant manner? (Choose two)

- A. Advertise the two RP addresses in the routing protocol.
- B. Manipulate the administrative distance of the unicast routes to the two RPs.
- C. Control routing to the two RPs through a longest match prefix.
- D. Manipulate the multicast routing table by creating static mroutes to the two RPs.
- E. Use two phantom RP addresses.
- F. Use Anycast RP based on MSDP peering between the two RPs.

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

NEW QUESTION: 21

Which CIA triad principle is used by social media platforms to constitute a standard procedure of user IDs and passwords requirements?

- A. integrity
- B. compliance
- C. availability
- D. confidentiality

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

NEW QUESTION: 22

A multinational organization has decided to migrate its business-critical operations to a hybrid cloud solution They are concerned about data governance, particularly regarding data sovereignty, ownership, and locale The company operates in multiple countries with strict data privacy regulations Which solution best ensures compliance with data governance regulations ' ?

- A. Implement a private cloud solution with data centers within the company ' s own premises.
- B. Store all data in a single data center located in the country where the company is headquartered
- C. Utilize a public cloud provider with data centers located in different countries around the world.
- D. Distribute data across multiple data centers located in different countries based on user location

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 23

In a distributed cloud-native environment, calls to services and cloud resources can fail caused by unanticipated events that will require longer periods of time to resolve. These faults can range in severity from a partial loss of connectivity to the complete failure of a service. In these situations, it ' s pointless for an application to continually retry an operation that is unlikely to succeed. Which pattern can prevent an application from repeatedly trying to execute an operation that ' s likely to fail?

- A. bulkhead
- B. fallback
- C. timeout
- D. circuit breaker

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

NEW QUESTION: 24

Two companies need to implement an extranet overlay network solution by using a VPN tunnel over the internet to use each other ' s HTTP REST APIs. The solution must only provide data integrity because data confidentiality will be covered at the application layer The existing firewall devices will be used as VPN endpoints for the tunnel but they have limited available resources Which type of VPN tunnel must be deployed for the extranet service?

- A. IPsec ESP
- B. IPsec AH
- C. GRE oIPsec
- D. GRE tunnel

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

NEW QUESTION: 25

What are the two benefits of using northbound APIs in SDN architecture? (Choose two.)

- A. They connect the SDN controller to the underlying network devices.
- B. They provide a way for the SDN controller to communicate with network devices
- C. They connective SDN controller to higher-level management, systems
- D. They provide, a way for the SDN to control change management
- E. They provide a way to manage the SDN and configure network policies

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

NEW QUESTION: 26

Which regulatory compliance element ensures adherence to regulations and improves speed to market, which gives businesses a competitive advantage?

- A. compliance change management
- B. robust document control
- C. quality management system
- D. regulatory enhancement process

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 27

With virtualization being applied in many parts of the network every physical link is likely to carry one or more virtual links, but what is a drawback in cases like this?

- A. bandwidth utilization
- B. fate sharing
- C. unneeded tunneling
- D. serialization delay

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

NEW QUESTION: 28

When constraint-based routing is under consideration to be added to a network design, what are two inherent characteristics or impacts that must be considered? (Choose two)

- A. stability in the route table
- B. high computation overhead
- C. smaller routing table size
- D. better network utilization
- E. less resources than the shortest path

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

NEW QUESTION: 29

During initial preparations to deploy 802.1x for wired access to their network, a company must ensure that the solution complies with existing internal security policies. These policies mandate that every Auth C/Auth Z request must be protected by a tunnel which authenticates both server and clients using their PKI. At the same time, the user authentication phase must be independent of the tunnel. Which scheme meets the requirements?

- A. EAP-MD5
- B. EAP-Fast
- C. EAP-MSCHAPv2
- D. PEAP

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

NEW QUESTION: 30

An enterprise service provider is planning to migrate the customer network to MPLS to connect cloud applications. The customer network team and service provider team are analyzing all processes (tools) before live migration and implementation. Before planning the migration, what is a crucial task that must be executed?

- A. application packaging and deployment
- B. real-time process monitoring and maintenance
- C. impact forecasts and risk analysis
- D. impact analysis and application refactoring

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

NEW QUESTION: 31

To provide network resilience organizations need to adopt a holistic approach that includes several key practices and technologies What are two effective ways to enhance network resilience by providing backup and alternative options to maintain network functionality?

- A. diversity
- B. redundancy
- C. scalability
- D. recovery
- E. flexibility

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

A European government passport agency considers upgrading its IT systems to increase performance and workload flexibility in response to constantly changing requirements. The budget manager wants to reduce capital expenses and IT staff and must adopt the lowest-cost technology. Which technology choice is suitable?

- A. hybrid cloud
- B. private cloud
- C. public cloud
- D. on premises

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

If the desire is to connect virtual network functions together to accommodate different types of network service connectivity, what must be deployed?

- A. switching
- B. linking
- C. daisy chaining
- D. bridging
- E. service chaining

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

Which redundancy element plays a crucial role in ensuring business continuity even in challenging situations?

- A. network boot performance
- B. disaster recovery planning
- C. adapting and expanding the network
- D. minimizing the downtime

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

NEW QUESTION: 35

Company XYZ wants to redesign the Layer 2 part of their network and wants to use all available uplinks for increased performance. They also want to have end host reachability supporting conversational learning. However, due to design constraints, they cannot implement port-channel on the uplinks. Which other technique can be used to make sure the uplinks are in active/active state?

- A. TRILL
- B. MSTP
- C. LISP
- D. switch stack

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

NEW QUESTION: 36

The PaaS model provides customers with a virtualized application development platform without the need for them to furnish hardware or system administration using in-house resources. All necessary infrastructure components and application development services are provided and managed by the cloud service provider.

Which limitation should be considered when selecting PaaS model?

- A. compatibility with existing development environments
- B. potential network latency
- C. loss of customer control
- D. limited customization options

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

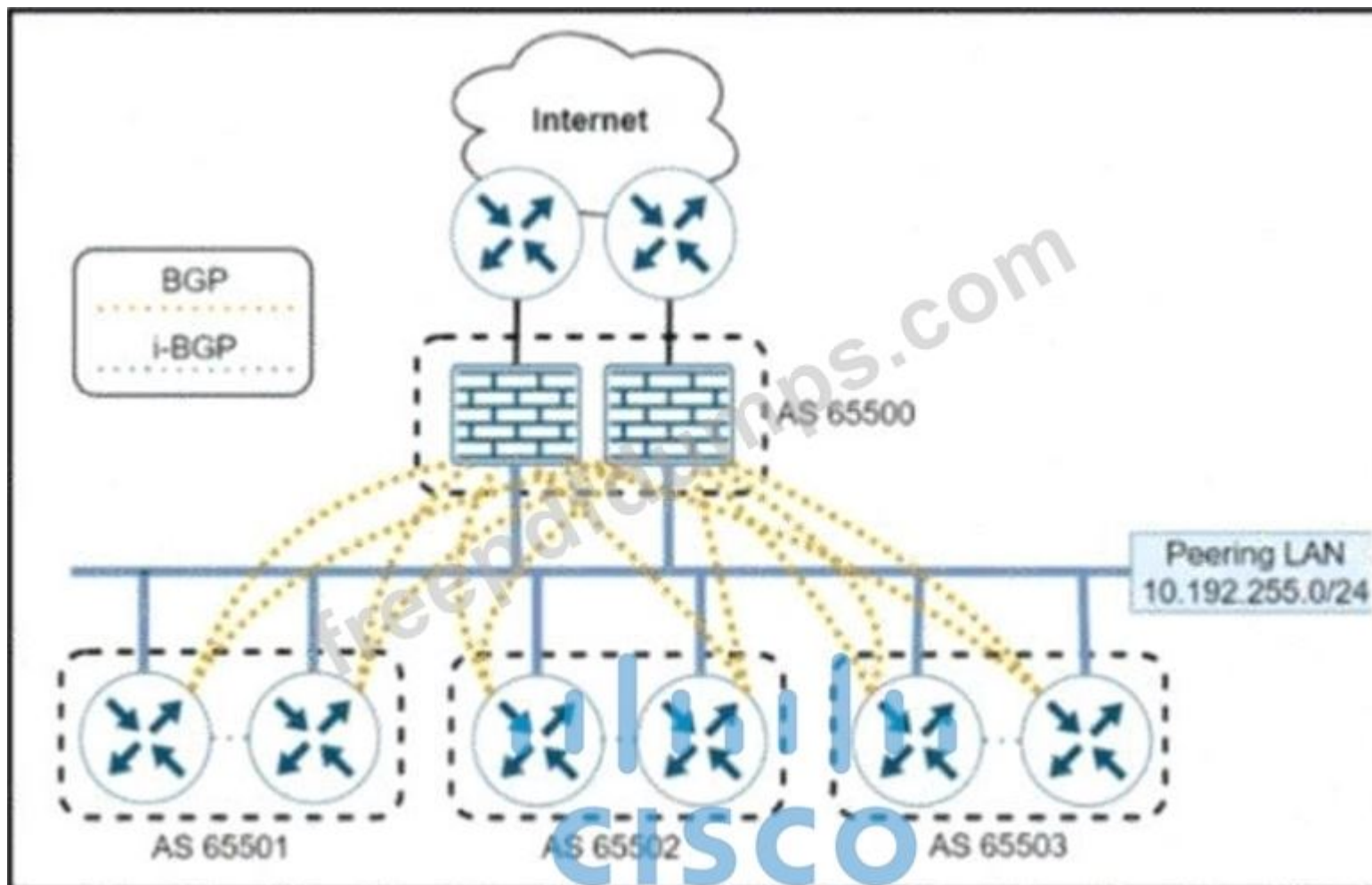
NEW QUESTION: 37

Which undesired effect of increasing the jitter compensation buffer is true?

- A. The overall transport delay increases and quality issues can occur.
- B. The overall transport jitter increases and quality issues can occur.
- C. The overall transport jitter decreases and quality improves.
- D. The overall transport delay decreases and quality improves.

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

NEW QUESTION: 38



Refer to the exhibit in the topology, each router has a BGP session to each firewall in a hub-and-spoke BGP design. The peering LAN implements an Ethernet Virtual Private LAN service from a service provider that offers carrier Ethernet services from its MPLS-enabled network. Each router has an IP address in the 10.192.255.0/24 subnet. Spoke BGP routers must communicate with each other directly without traffic passing through the firewall. AS PATH is used for policy enforcement. How can BGP sessions be established between the routers and the firewalls?

- A. eBGP sessions
- B. iBGP sessions
- C. firewalls as route reflectors
- D. firewalls as route servers

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

NEW QUESTION: 39

As part of a design solution a consultant needs to describe the trade-offs between different SDN models. Drag the characteristics on the left to the correct controller-based network designs on the right in no particular order.

CHINESEDUMPS

通过测试

complete control over all routing decisions

autonomous device control plane

topology-independent

very granular flow control

通过测试

separates reachability from policy

per device decisions

Centralized

Characteristic 1

Characteristic 2

Decentralized

Characteristic 1

Characteristic 2

Hybrid

Characteristic 1

Characteristic 2

CHINESEDUMPS

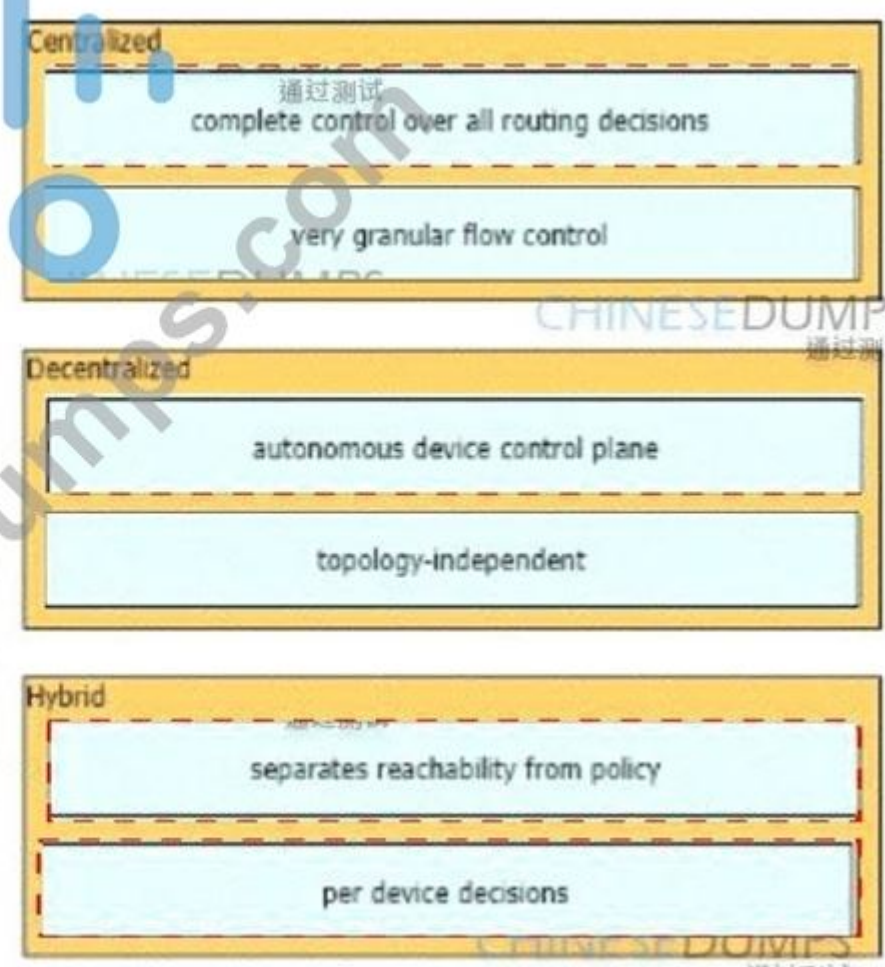
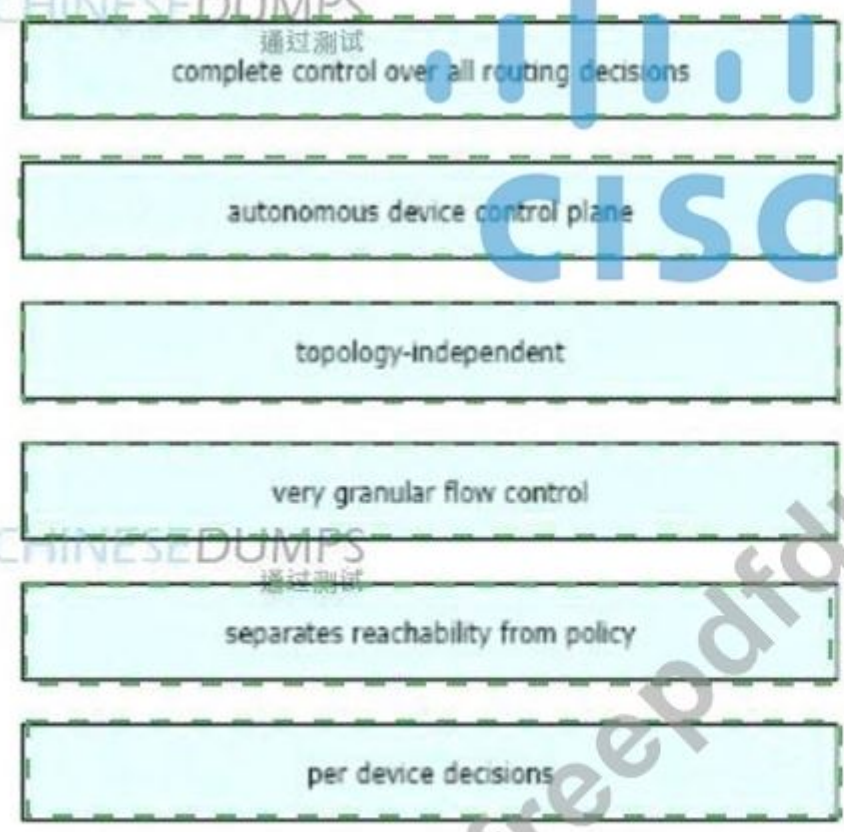
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CHINESEDUMPS

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Answer:

CHINESEDUMPS



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CHINESEDUMPS
通过测试

Hybrid

separates reachability from policy

per device decisions

CHINESEDUMPS
通过测试

NEW QUESTION: 40

Enterprise XYZ wants to implement fast convergence on their network and optimize timers for OSPF. However, they also want to prevent excess flooding of LSAs if there is a constantly flapping link on the network. Which timers can help prevent excess flooding of LSAs for OSPF?

- A. OSPF throttling timers
- B. MPS OSPF flooding timers
- C. OSPF propagation timers
- D. OSPF delay timer

Answer: (SHOW ANSWER)

NEW QUESTION: 41

A software-defined network can be defined as a network with an API that allows applications to understand and react to the state of the network in near real time. A vendor is building an SDN solution that exposes an API to the RIB and potentially the forwarding engine directly. The solution provides off-box processes with the capability to interact with the routing table in the same way as a distributed routing process. Which SDN framework model does the solution use?

- A. replace
- B. distributed
- C. augmented
- D. hybrid

Answer: D (LEAVE A REPLY)

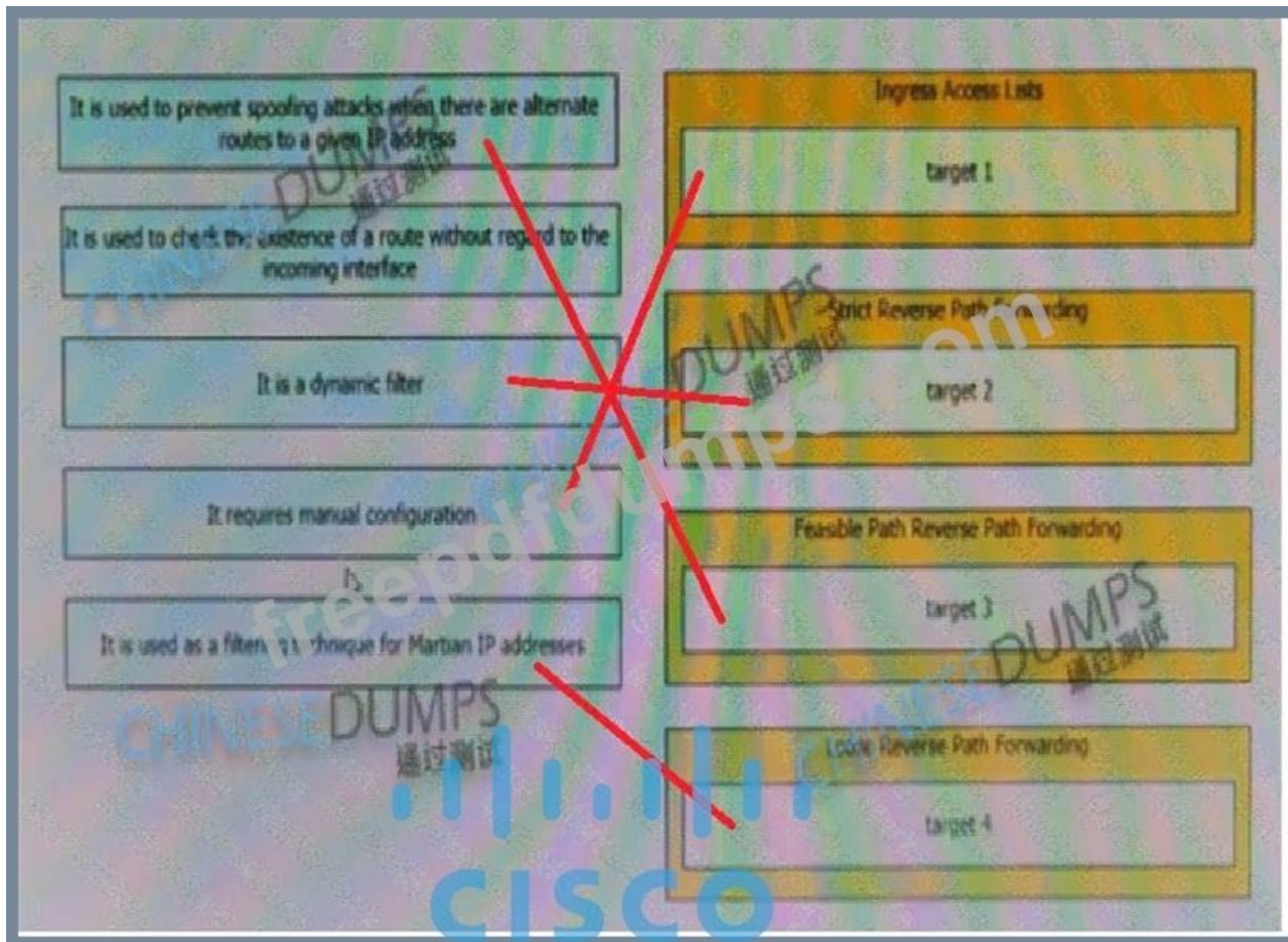
NEW QUESTION: 42

Drag and drop the design characteristics from the left onto the correct network filter techniques on the right. Not all options are used.

Design Characteristics	Network Filter Techniques
It is used to prevent spoofing attacks when there are alternate routes to a given IP address	Reverse Path Forwarding (target 1)
It is used to check the existence of a route without regard to the incoming interface	Strict Reverse Path Forwarding (target 2)
It is a dynamic filter	Feasible Path Reverse Path Forwarding (target 3)
It requires manual configuration	Loose Reverse Path Forwarding (target 4)
It is used as a filtering technique for Martian IP addresses	

Answer:

Design Characteristics	Network Filter Techniques
It is used to prevent spoofing attacks when there are alternate routes to a given IP address	Reverse Path Forwarding (target 1)
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It is a dynamic filter	Feasible Path Reverse Path Forwarding (target 3)
It requires manual configuration	Loose Reverse Path Forwarding (target 4)
It is used as a filtering technique for Martian IP addresses	



NEW QUESTION: 43

Setting a specific goal for throughput based on per-second data rates between end hosts does not identify the requirements for specific applications. When specifying throughput goals for applications, it is important to understand the throughput requirements for each application. Which two factors that can constrain application layer throughput? (Choose two.)

- A. workstation and server availability
- B. sent packets or cells at networking devices
- C. the pps or cps rate of networking devices
- D. protocol parameters, such as frame size and retransmission timers
- E. end-to-end throughput rates

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

A bank recently had their security compromised during an initial key exchange between devices using a symmetric cryptography algorithm, and as a result the key was revealed/leaked. Going forward, they want to ensure that key exchanges are performed using asymmetric cryptography algorithms. Which algorithm offers the desired functionality?

- A. AES
- B. Diffie-Hellman
- C. RSA
- D. RC4

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

NEW QUESTION: 45

Implementing a network automation architecture usually follows a phased approach that increases automation as the new technology and processes in the preceding phases are integrated and adopted. What provides a model that greatly simplifies the interaction with network devices?

- A. CI/CD framework
- B. abstraction layer
- C. network device migration
- D. vendor specific configuration

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

NEW QUESTION: 46

Organic growth or decline comes from a company 's normal business activities, rather than through acquisitions or divestment. Changes in usage patterns can also cause organic change in network requirements Which tool is useful when designing and operationalizing a network that is in the process of change?

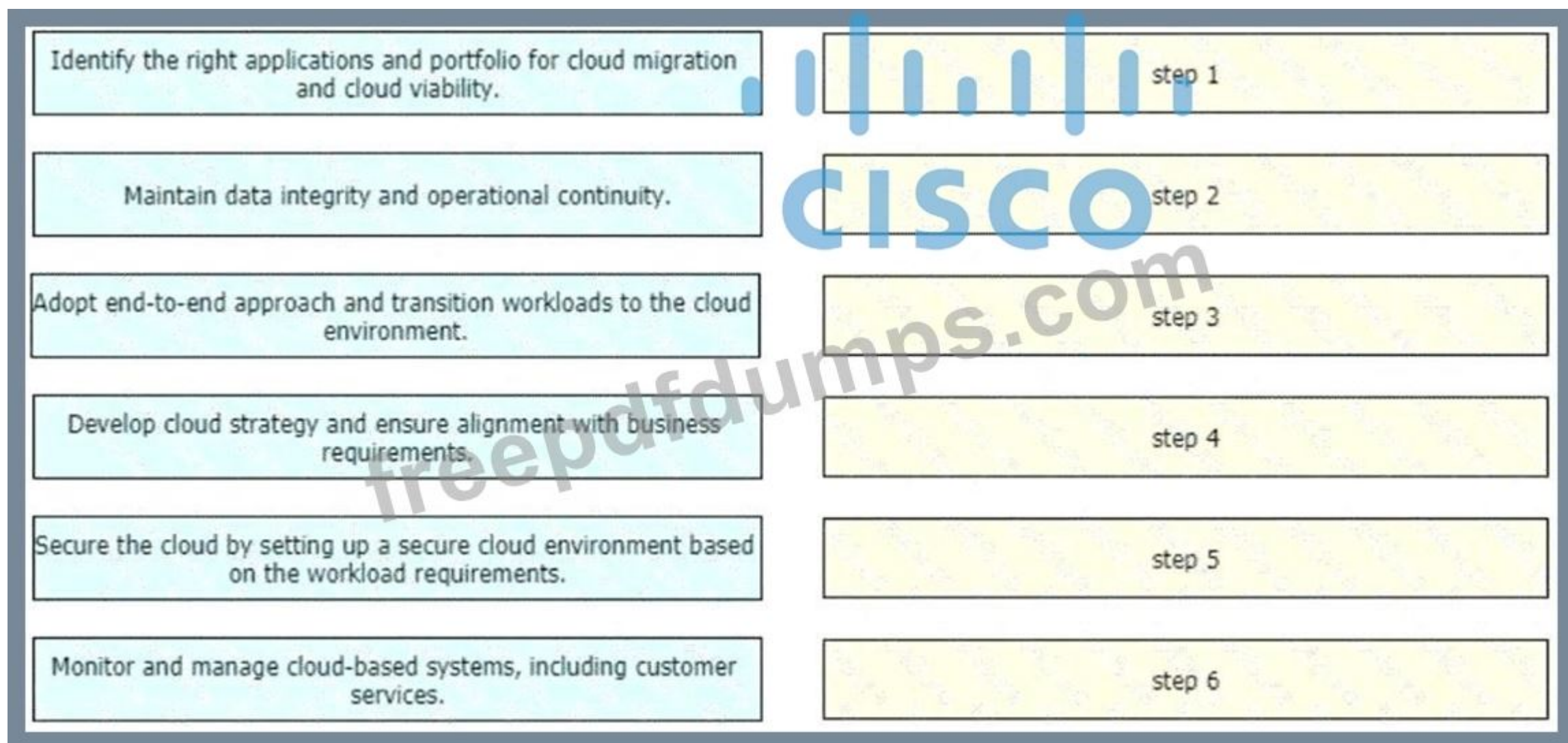
- A. modularity
- B. Monitoring
- C. change management
- D. mobility

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

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NEW QUESTION: 47

An enterprise wants to migrate an on-premises network to a cloud network, and the design team is finalizing the overall migration process. Drag and drop the options from the left into the correct order on the right.



Answer:

Identify the right applications and portfolio for cloud migration and cloud viability.

Maintain data integrity and operational continuity.

Adopt end-to-end approach and transition workloads to the cloud environment.

Develop cloud strategy and ensure alignment with business requirements.

Secure the cloud by setting up a secure cloud environment based on the workload requirements.

Monitor and manage cloud-based systems, including customer services.

Develop cloud strategy and ensure alignment with business requirements.

Identify the right applications and portfolio for cloud migration and cloud viability.

Secure the cloud by setting up a secure cloud environment based on the workload requirements.

Adopt end-to-end approach and transition workloads to the cloud environment.

Monitor and manage cloud-based systems, including customer services.

Maintain data integrity and operational continuity.

Explanation:



NEW QUESTION: 48

What is the most important operational driver when building a resilient and secure modular network design?

- A. Reduce the frequency of failures requiring human intervention
- B. Dependencies on hardware or software that is difficult to scale
- C. Minimize app downtime
- D. Increase time spent on developing new features

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

A customer has a functional requirement that states HR systems within a data center must 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 with all HR systems dedicated to 129 to 254 of the 10.20.20.0/24 prefix. Which segmentation method is optimal for the customer?

- A. routed firewalls
- B. VACLs on data center switches
- C. data center perimeter firewalling
- D. transparent firewalling

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

NEW QUESTION: 50

Before migrating anything to the cloud, what are three cloud readiness assessment steps that are required to perform? (Choose three.)

- A. Determine the technology obsolescence
- B. Evaluate available in-house resources
- C. Determine the geolocation requirement

- D. Identify the scope and business cases for migration.
- E. Assess the cloud brokerage solutions
- F. Assess database security requirements
- G. Assess infrastructure requirements.

Answer: B,D,G ([LEAVE A REPLY](#))

NEW QUESTION: 51

Which design method is achieved by layering the network control plane above a redundant physical infrastructure?

- A. resilience
- B. scalability
- C. modularity
- D. manageability

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

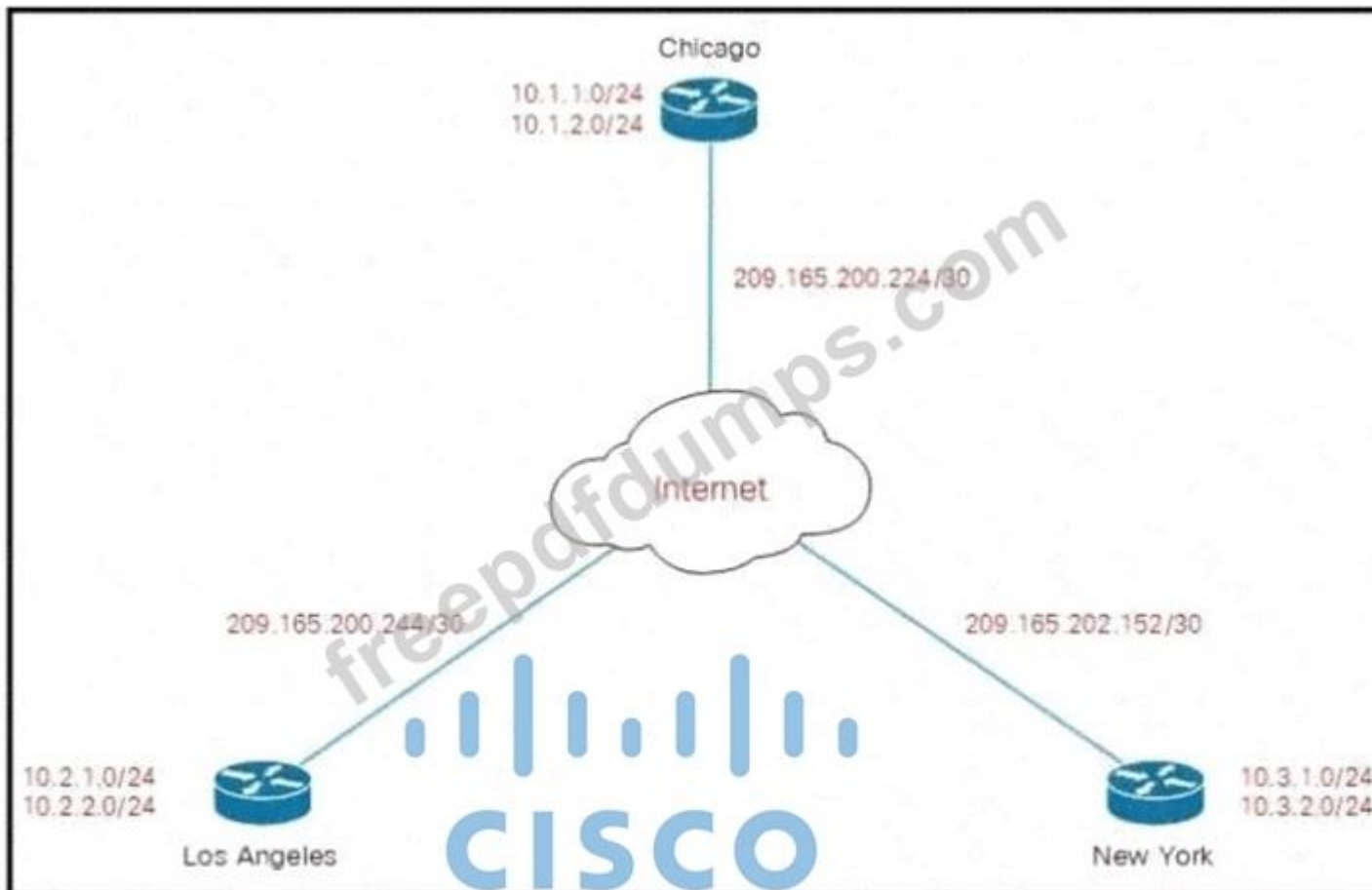
NEW QUESTION: 52

What are two reasons for a company to prefer a hybrid approach rather than a mixed approach while transitioning to a software-defined network? (Choose two.)

- A. Hybrid approach allows to deploy portions of the network without impacting performance
- B. Hybrid approach is more palatable to the large-size companies
- C. Mixed approach is more palatable to the small-size companies
- D. Hybrid approach allows box-by-box transition to spread out the costs
- E. Mixed approach creates more complexity which makes troubleshooting more difficult

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

NEW QUESTION: 53



Refer to the exhibit Company XYZ must design a DMVPN tunnel between the three sites Chicago is going to act as the NHS and the company wants DMVPN to detect peer endpoint failures Which technology should be used in the design?

- A. GRE
- B. IP SLA
- C. L2TPv3
- D. VPLS

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

NEW QUESTION: 54

An external edge router provides connectivity from a service provider to an enterprise Which two Internet edge best practices meet compliance regulations? (Choose two.)

- A. Use login banners and interface access lists to restrict administrative access to the system.
- B. Send logs to a centralized logging collection server.
- C. Implement filtering to control traffic that is sourced from the infrastructure IP space.
- D. Implement EBGP to advertise all owned IP blocks.
- E. Enable and use only secure protocols.

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

NEW QUESTION: 55

In implementing the CIA triad, an organization must follow a general set of best practices. Which best practice is applicable for availability?

- A. Follow an organization ' s data-handling security policies.
- B. Use backup and recovery software and services.
- C. Ensure systems and applications stay updated

D. Keep access control lists and other file permissions up to date

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

NEW QUESTION: 56

An engineer is designing a DMVPN network where OSPF has been chosen as the routing protocol A spoke-to- spoke data propagation model must be set up Which two design considerations must be taken into account ?

(Choose two)

- A. The hub should be the DR by changing the priority of the spokes to 0.
- B. The network type on all sites should be point-to-multipoint.
- C. Configure all the sites as network type broadcast.
- D. The network type should be point-to-multipoint for the hub and point-to-point for the spokes.
- E. The hub should be set as the DR by specifying the priority to 255.

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

NEW QUESTION: 57

The development of a connected ecosystem of devices reflects manufacturers ' heightened focus on internal needs and issues as they work to increase product resiliency and improve customer experience In which two ways can network visibility contribute to resilient software defined networking? (Choose two.)

- A. by abstracting traffic patterns from operators
- B. by ensuring reliability by static architecture
- C. by prioritizing critical applications
- D. by detecting and preventing network issues early
- E. by reducing costs by removing low-priority traffic

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

NEW QUESTION: 58

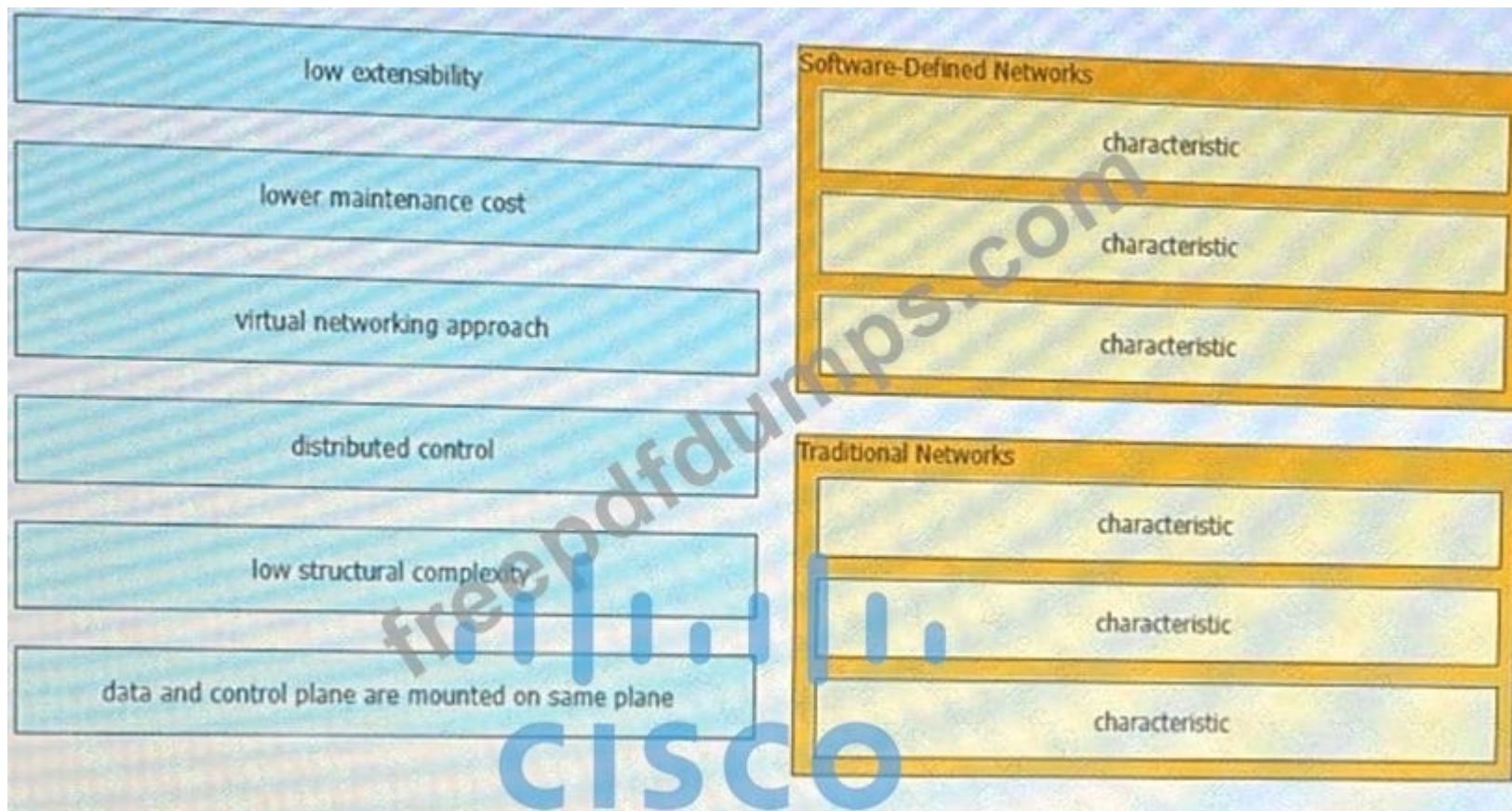
Which two benefits can software defined networks provide to businesses? (Choose two.)

- A. provides additional redundancy
- B. reduced latency
- C. decentralized management
- D. meets high traffic demands
- E. enables innovation
- F. reduction of OpEx/CapEx

Answer: ([SHOW ANSWER](#))

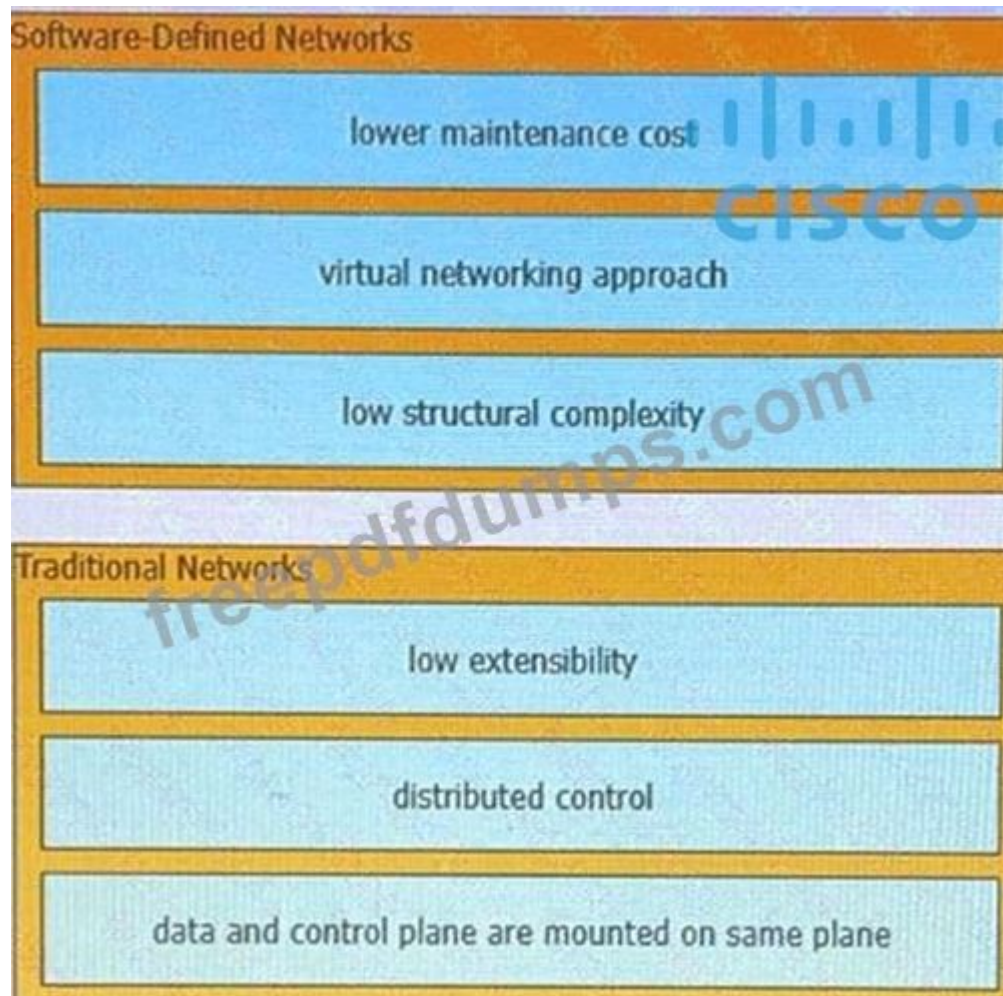
NEW QUESTION: 59

Software-defined network and traditional networks might appear the same to the end-user, but behind the scenes, each has unique sets of characteristics. Drag and drop these characteristic found on the left to the corresponding category on the right in no particular order?



Answer:





NEW QUESTION: 60

SDN is still maturing Throughout the evolution of SDN which two things will play a key role in enabling a successful deployment and avoiding performance visibility gaps in the infrastructure' (Choose two.)

- A. peer-to-peer controller infrastructure
- B. integration of device context
- C. rapid on-demand growth
- D. failing back to old behaviours
- E. dynamic real-time change

Answer: C,E (LEAVE A REPLY)

NEW QUESTION: 61

In the wake of a security compromise incident where the internal networks were breached by an outside attacker at the perimeter of the infrastructure, an enterprise is now evaluating potential measures that can help protect against the same type of incident in the future. What are two design options that can be employed?

(Choose two)

- A. segmentation
- B. virtualization
- C. domain fencing
- D. microzoning
- E. microperimeters

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

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NEW QUESTION: 62

When planning their cloud migration journey what is crucial for virtually all organizations to perform?

- A. RPO and RTO calculations duration planning
- B. SASE framework deployment
- C. optimizing the WAN environment
- D. assessment of current infrastructure

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

NEW QUESTION: 63

Company XYZ Is running a redundant private WAN network using OSPF as the underlay protocol The current design accommodates for redundancy In the network, but it Is taking over 30 seconds for the network to reconverge upon failure Which technique can be Implemented In the design to detect such a failure in a subsecond?

- A. fate sharing
- B. STP
- C. OSPF BFD
- D. flex links

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

NEW QUESTION: 64

Which type of interface are OpenFlow and OpFlex?

- A. eastbound interface
- B. cloud-bound interface
- C. southbound interface
- D. northbound interface

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

NEW QUESTION: 65

which two actions must be taken when assessing an existing wireless network implementation for its readiness to support voice traffic? (choose two)

- A. Verify that RX level are not above -6WBM.
- B. Check for high channel utilization
- C. Identify frequent TX power changes.
- D. Validate antenna settings on APs
- E. Analyze typical roaming delays.

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

NEW QUESTION: 66

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

Refer to the table. 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?

- A. MPLS
- B. CWDM over dark fiber
- C. DWDM over dark fiber
- D. Metro Ethernet

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

NEW QUESTION: 67

Which purpose of a dynamically created tunnel interface on the design of IPv6 multicast services is true?

- A. transport of all IPv6 multicast traffic
- B. multicast source registration to the RP
- C. multicast client registration to the RP
- D. first-hop router registration to the RP

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

NEW QUESTION: 68

Which purpose of a dynamically created tunnel interface on the design of IPv6 multicast services is true?

- A. first-hop router registration to the RP
- B. transport of all IPv6 multicast traffic
- C. multicast client registration to the RP
- D. multicast source registration to the RP

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

NEW QUESTION: 69

Which two statements describe the functionality of OSPF packet-pacing timers? (Choose two)

- A. OSPF retransmission-pacing timers allow control of interpacket spacing between consecutive link-state update packets in the OSPF retransmission queue
- B. OSPF flood-pacing timers allow dynamic control of the OSPF transmission queue size
- C. OSPF flood-pacing timers allow control of interpacket spacing between consecutive link-state update packets in the OSPF transmission queue
- D. The group-pacing timer controls the interval that is used for group and individual LSA refreshment
- E. OSPF retransmission-pacing timers allow control of packet interleaving between nonconsecutive link-state update packets in the OSPF retransmission queue

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

NEW QUESTION: 70

The modular design model approach allows companies to have a network infrastructure that is better suited for scalable applications. What is the benefit for companies that use this model?

- A. less efficient organizational ecosystem
- B. low communication with its employees through the intranet
- C. more flexible in the event of rapid market changes
- D. more in-house expertise and skilled resources

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 71

A business wants to centralize services via VDI technology and to replace remote WAN desktop PCs with thin client-type machines to reduce operating costs. Which consideration supports the new business requirement?

- A. VDI servers shared centrally within a DMZ
- B. VDI servers should be contained within dedicated VLANs in each branch location
- C. The WAN should offer low latency and be resized
- D. The thin client traffic should be placed in a WAN QoS priority queue.

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

NEW QUESTION: 72

A centralized control plane generally means one or more controllers gather the reachability and topology information from each switching device and calculate some part of the forwarding information at some place.

How can a centralized control plane be defined or described?

- A. protocol running on each device
- B. set of processes running in a virtual or physical machine
- C. ability to detect and react to changes remotely at each device
- D. set of algorithms implemented on all devices

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

NEW QUESTION: 73

Which three tools are used for ongoing monitoring and maintenance of a voice and video environment?

(Choose three.)

- A. active monitoring via synthetic probes to measure loss, latency, and jitter
- B. passive monitoring via synthetic probes to measure loss, latency, and jitter
- C. flow-based analysis to measure bandwidth mix of applications and their flows
- D. call management analysis to identify network convergence-related failures
- E. call management analysis to identify CAC failures and call quality issues
- F. flow-based analysis with PTP time-stamping to measure loss, latency, and jitter

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

NEW QUESTION: 74

CONNECTIVITY	CAPEX	OPEX ANNUAL	INSTALLATION FEE	TERM
DWDM over dark fiber	\$250,000	\$100,000	\$30,000	12 months
CWDM over dark fiber	\$150,000	\$100,000	\$25,000	18 months
MPLS wires only	\$50,000	\$80,000	\$5,000	24 months
Metro Ethernet	\$45,000	\$100,000	\$5,000	36 months

Refer to the table. A customer investigates connectivity options for a DCI between two production data centers to aid a large-scale migration project. The solution must provide a single 10G connection between locations and be able to run its own varying QoS profiles without service provider interaction based on the migration stages. All connectivity methods are at 10 Gbps. Which transport technology costs the least if the connectivity is required for just one year?

- A. CWDM over dark fiber
- B. MPLS wires only
- C. Metro Ethernet
- D. DWDM over dark fibers

Answer: (SHOW ANSWER)

NEW QUESTION: 75

Which action must be taken before new VoIP systems are implemented on a network to ensure that the network is ready to handle the traffic?

- A. Evaluate bandwidth utilization and connection quality
- B. Check if anomaly detection is enabled for SIP and H.323 on Layer 3 devices
- C. Enable special requirements such as direct DID lines on pickup
- D. Make recommendations to limit the size of the half-open session table on routers

Answer: A (LEAVE A REPLY)

NEW QUESTION: 76

PaaS provides a cloud-based platform for developing, running, managing applications. Users access the PaaS through a GUI, where development or DevOps teams can collaborate on all their work across the entire application lifecycle including coding, integration, testing, delivery, deployment, and feedback. Which benefit does an organization get by using PaaS?

- A. faster time to market
- B. improved responsiveness
- C. improved access
- D. comprehensive security

Answer: A (LEAVE A REPLY)

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NEW QUESTION: 77

A legacy enterprise is using a Service Provider MPLS network to connect its head office and branches.

Recently, they added a new branch to their network. Due to physical security concerns, they want to extend their existing IP CCTV network of the head office to the new branch, without any routing changes in the network. They are also under some time constraints. What is the best approach to extend the existing IP CCTV network to the new branch, without incurring any IP address changes?

- A. EoMPLS
- B. GRE
- C. VXLAN
- D. L2TPv3

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

NEW QUESTION: 78

A large defense organization is planning their cloud migration journey, but they have high data sovereignty concerns, major regulation or compliance requirements, and very restrictive SLAs. Which cloud architecture model can be adopted?

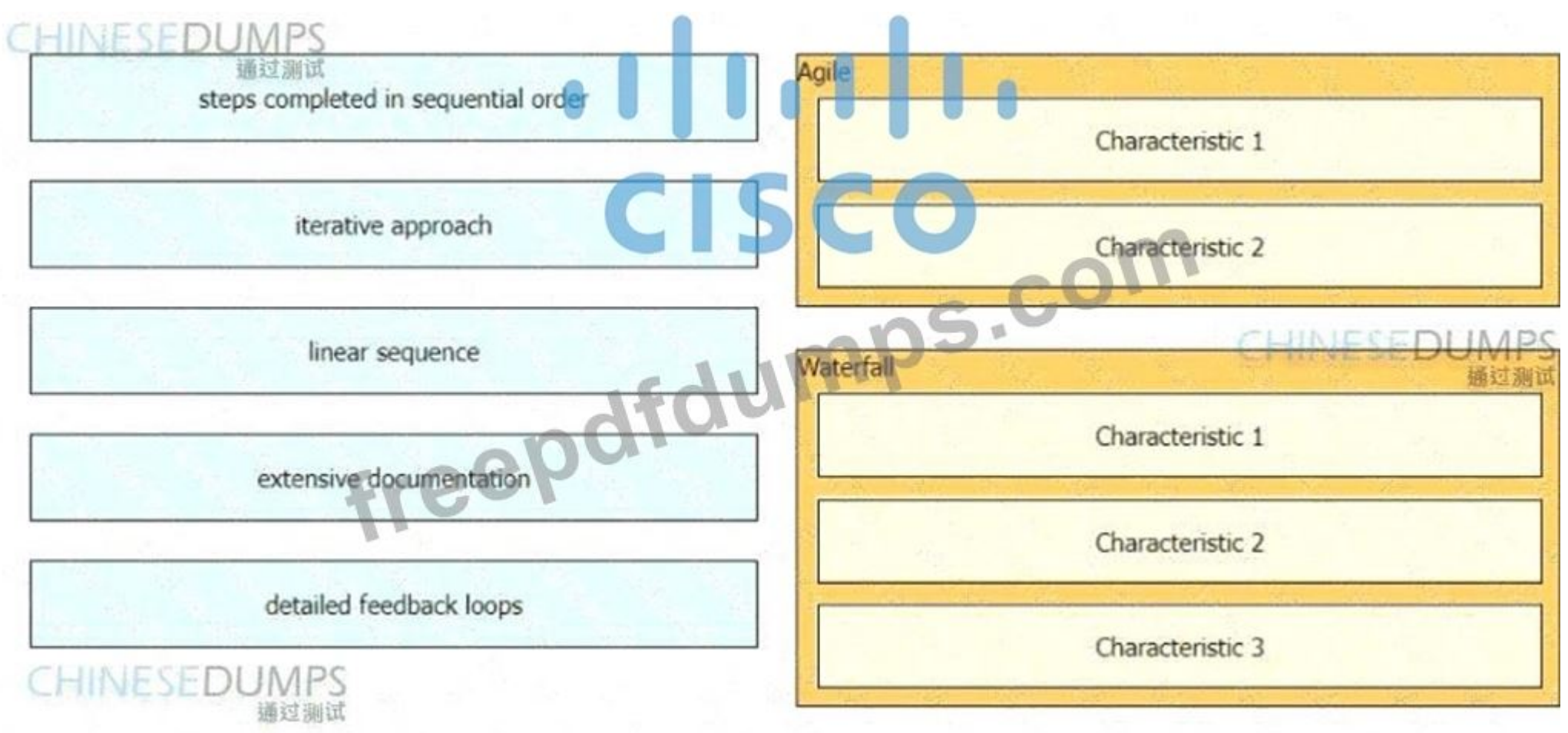
- A. hybrid cloud
- B. IaaS
- C. private cloud
- D. PaaS
- E. public cloud

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

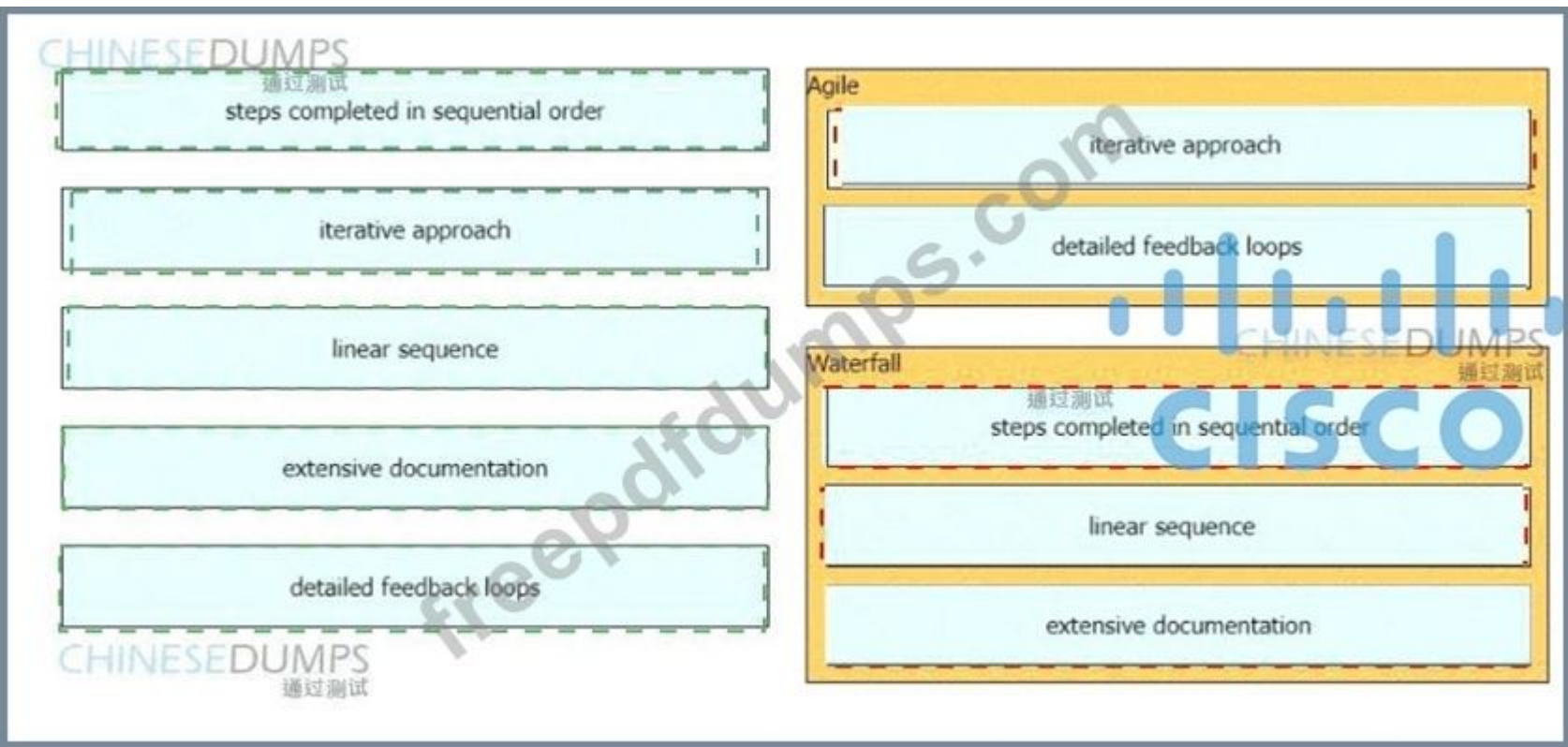
NEW QUESTION: 79

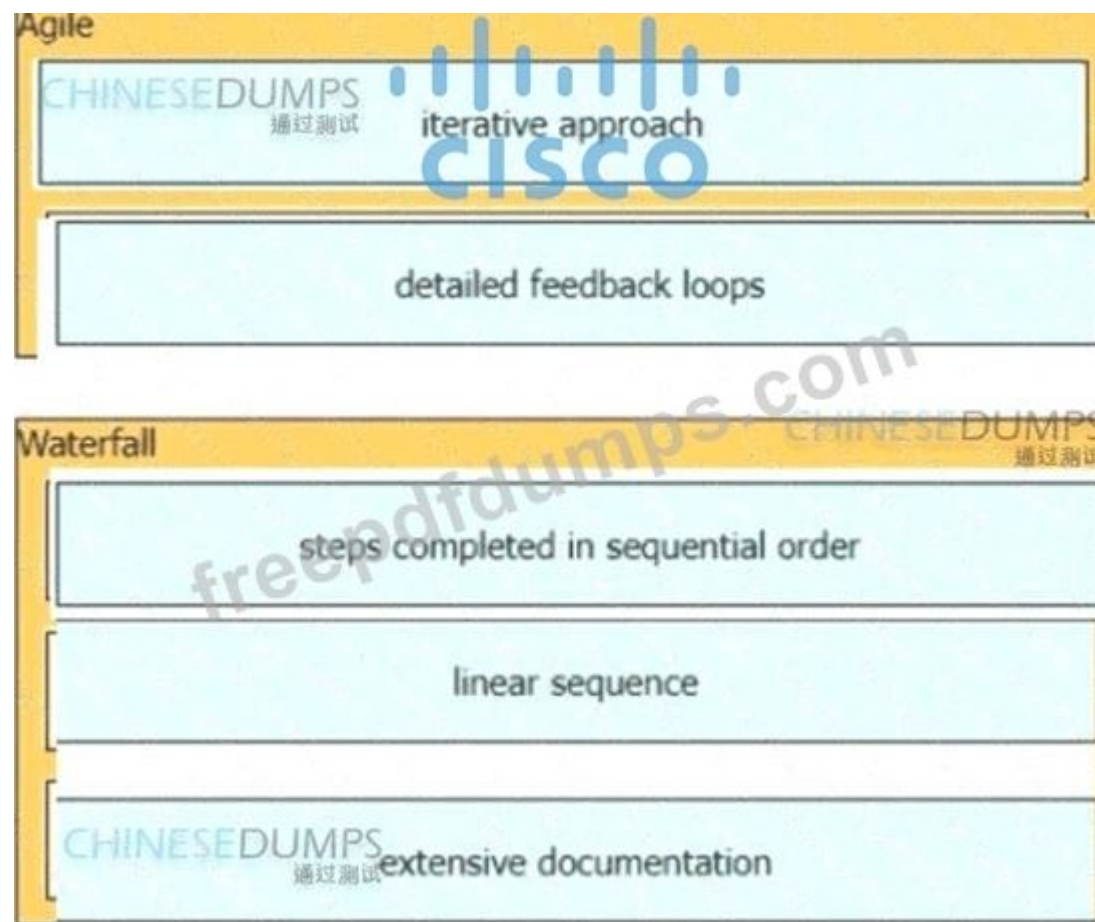
A consultant needs to explain different project management methodologies to a customer.

Drag and drop the characteristics from the left onto the corresponding methodologies on the right in no particular order.

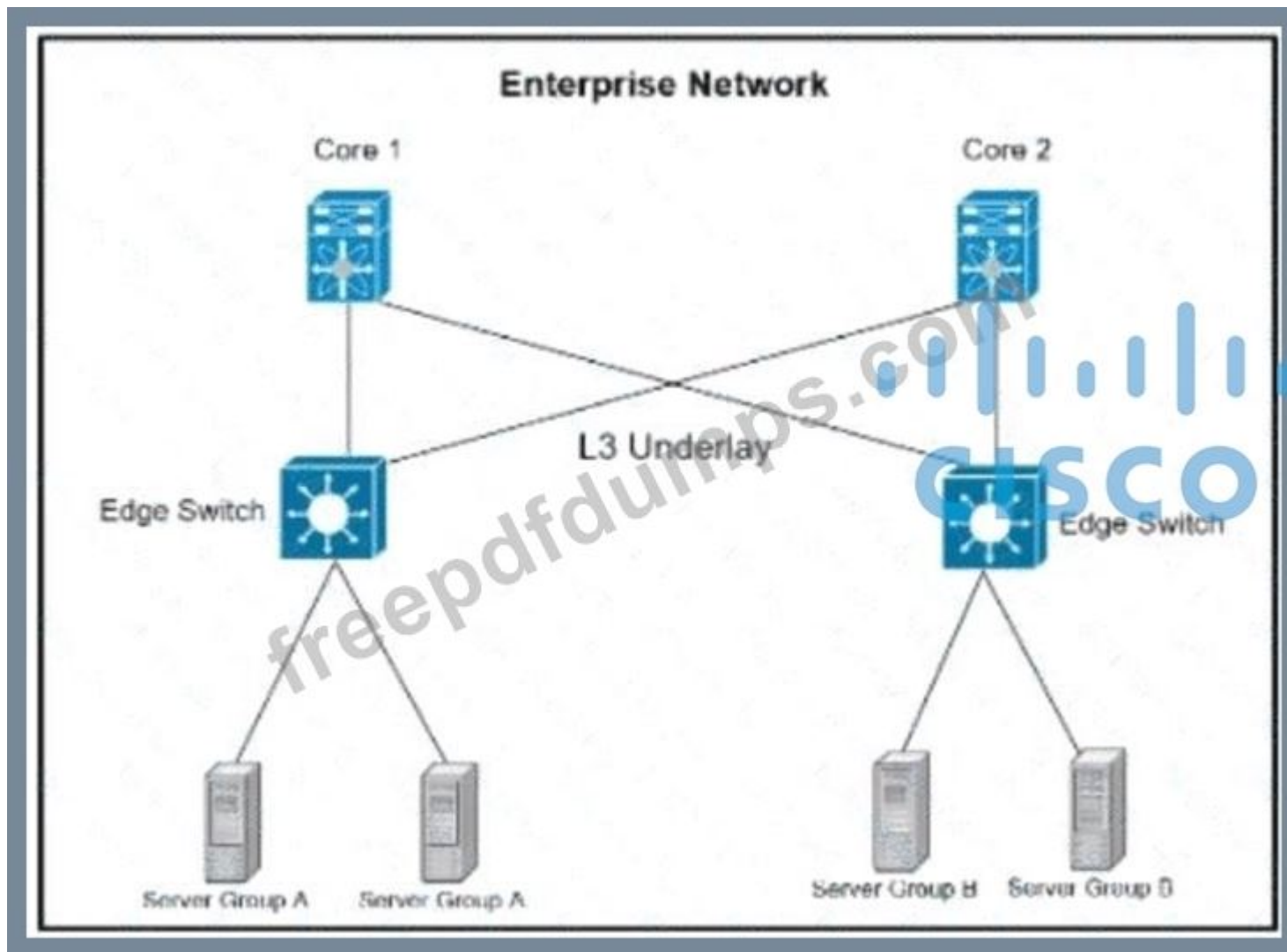


Answer:





NEW QUESTION: 80



Refer to the exhibit. A company is running their data center based on VXLAN and BGP EVPN with stretched subnets for servers attaching to the edge devices being an important feature. The security team has defined a requirement where server group A must not be able to communicate with each other but is allowed to communicate with server group B. while servers in Group B must be able to communicate with all servers.

Which scalable solution can be deployed to support these requirements?

- A. transparent firewall
- B. VRF with route leaking
- C. VACL
- D. private VLAN

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

NEW QUESTION: 81

Which two factors must be considered while calculating the RTO? (Choose two .)

- A. Cost of lost data and operations
- B. maximum tolerable amount of data loss that the organization can sustain
- C. importance and priority of individual systems
- D. how often backups are taken and how quickly these can be restored
- E. steps needed to mitigate or recover from a disaster

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 82

A large enterprise customer is planning a new WAN connection to its headquarters. The current architecture is dual-homed with static routing, but users complain when a specific link fails. Failure of the other link does not affect any services or applications. The new WAN connection must provide the headquarters with a resilient network design and increase the return on investment. Which solution should be recommended to the customer?

- A. Add an additional link to the WAN
- B. Procure additional bandwidth
- C. Use dynamic routing toward the WAN
- D. Implement granular quality of service on the links

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

NEW QUESTION: 83

Scalability is a desirable attribute of a network, system, or process. Poor scalability can result in poor system performance, necessitating the reengineering or duplication of systems. Load scalability is the ability of a system to perform gracefully as traffic increases. Which two problems can occur due to poor load scalability design? (Choose two.)

- A. repeatedly engaging in wasteful activity
- B. cannot fully take advantage of parallelism
- C. algorithmically intolerable
- D. redundant message logging
- E. limited size of a data structure

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

NEW QUESTION: 84

In a distributed cloud-native environment, calls to services and cloud resources can fail caused by unanticipated events that will require longer periods of time to resolve. These faults can range in severity from a partial loss of connectivity to the complete failure of a service. In these situations, it's pointless for an application to continually retry an operation that is unlikely to succeed. Which pattern can prevent an application from repeatedly trying to execute an operation that's likely to fail?

- A. bulkhead
- B. circuit breaker
- C. fallback
- D. timeout

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

NEW QUESTION: 85

What are three examples of solution components of the network infrastructure that help enforce security policy compliance on all devices as they seek to access the network and computing resources, thereby limiting damage from emerging security threats such as viruses, worms, and spyware? (Choose three.)

- A. network access devices
- B. audit and decision point servers
- C. management and reporting tools
- D. web filtering devices
- E. posture agent
- F. endpoint security application

Answer: C,D,F ([LEAVE A REPLY](#))

NEW QUESTION: 86

In the case of outsourced IT services, the RTO is defined within the SLA. Which two support terms are often included in the SLA by IT and other service providers? (Choose two.)

- A. network size and cost
- B. network reliability
- C. network sustainability
- D. support availability
- E. resolution time

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

NEW QUESTION: 87

SD-WAN can be used to provide secure connectivity to remote offices, branch offices, campus networks, data centers, and the cloud over any type of IP-based underlay transport network. Which two statements describe SD WAN solutions? (Choose two.)

- A. Solutions include centralized orchestration, control, and zero-touch provisioning.
- B. SD-WAN networks are inherently protected against slow performance.
- C. Solutions allow for variations of commodity and specialized switching hardware
- D. Improved operational efficiencies result in cost savings.
- E. Control and data forwarding planes are kept separate.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 88

The SD-WAN architecture is composed of separate orchestration management, control, and data planes Which activity happens at the orchestration plane?

- A. decision-making process on where traffic flows
- B. central configuration and monitoring
- C. packet forwarding
- D. automatic onboarding of the SD-WAN routers into the SD-WAN overlay

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

NEW QUESTION: 89

Which service abstracts away the management of the operating system, middleware, and runtime?

- A. IaaS
- B. MaaS
- C. SaaS
- D. PaaS

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

NEW QUESTION: 90

A company with an existing multivendor network is moving from 1 G dark fiber to an ISP virtual leased-line solution The company ' s internal security policy states that any traffic traversing a network that is not owned by the company must be encrypted What must be used to meet the requirements?

- A. Dynamic Multipoint VPN tunnel
- B. IPsec ESP
- C. GETVPN tunnel
- D. IPsec AH

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

NEW QUESTION: 91

In large-scale networks controllers needs to be able to process millions of flows per second without compromising the quality of the service What are two actions that must be implemented to address scaling limitations when deploying the network*? (Choose two.)

- A. Deploy authoritative switches to reduce the amount of controller workloads.
- B. Spirt the control logic functions between specialized data plane devices and controllers
- C. Deploy a high-throughput application platform
- D. Delegate work to the forwarding devices to reduce control plane overhead
- E. Deploy high performance controllers to increase the performance of the data plane

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

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NEW QUESTION: 92

What are two primary design constraints when a robust infrastructure solution is created? (Choose two.)

- A. total cost
- B. monitoring capabilities
- C. staff experience
- D. component availability
- E. project time frame

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

NEW QUESTION: 93

Refer to the exhibit. This network is running legacy STP 802.1 d. Assuming " hello_timer " is fixed to 2 seconds, which parameters can be modified to speed up convergence times after single link/node failure?

- A. Only the maximum_transmission_halt_delay and diameter parameters are configurable parameters in 802.1d to speed up STP convergence process.
- B. The max_age and forward_delay parameters can be adjusted to speed up STP convergence process.
- C. The transit_delay = 5 and bpdu_delay = 20 are recommended values, considering hello_timer = 2 and specified diameter.
- D. Only the transit_delay and bpdu_delay timers are configurable parameters in 802.1d to speed up STP convergence process.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 94

Drag and drop the descriptions from the left onto the corresponding categories on the right Not all options are used

Descriptions	Port Numbers	Deep Packet Inspection	Statistical Classification
Signatures must be kept up to date because the applications change very frequently.	Label 1	Label 1	Label 1
It very often uses machine learning algorithms.	Label 2	Label 2	Label 2
It does not consume many resources.			
It can detect the class of yet unknown applications.			
It does not implement the application-layer payload, so it does not compromise the users' privacy.			
Encryption makes this method impossible in many cases.			

Answer:

Descriptions	Port Numbers	Deep Packet Inspection	Statistical Classification
Signatures must be kept up to date because the applications change very frequently.		It does not consume many resources.	
It very often uses machine learning algorithms.		It does not implement the application-layer payload, so it does not compromise the users' privacy.	
It does not consume many resources.			
It can detect the class of yet unknown applications.		Signatures must be kept up to date because the applications change very frequently.	
It does not implement the application-layer payload, so it does not compromise the users' privacy.		Encryption makes this method impossible in many cases.	
Encryption makes this method impossible in many cases.			It very often uses machine learning algorithms.
			It can detect the class of yet unknown applications.

Explanation:

Port Numbers

* # It does not consume many resources.

* # It does not implement the application-layer payload, so it does not compromise the users ' privacy.

Deep Packet Inspection

* # Signatures must be kept up to date because the applications change very frequently.

* # Encryption makes this method impossible in many cases.

Statistical Classification

* # It very often uses machine learning algorithms.

* # It can detect the class of yet unknown applications.

NEW QUESTION: 95

Which hybrid cloud environment enables businesses to more readily stage data-intensive and time-sensitive tasks closer to the source, which reduces latency, eases networking requirements, and improves data protection?

A. edge computing

B. digital transformation

C. distributed data processing

D. application migration

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

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