Cisco

Exam Questions 400-007

Cisco Certified Design Expert (CCDE v3.0) Written Exam

NEW QUESTION 1
An enterprise network has two core routers that connect to 200 distribution routers and uses full-mesh IBGP peering between these routers as its routing method. The distribution routers are experiencing high CPU utilization due to the BGP process. Which design solution is the most cost effective?

A. Implement route reflectors on the two core routers
B. Increase the memory on the core routers
C. Implement e BGP between the core and distribution routers
D. Increase the memory on the distribution routers
E. Increase bandwidth between the core routers

Answer: A

NEW QUESTION 2
Which two mechanisms avoid suboptimal routing in a network with dynamic mutual redistribution between multiple OSPFv2 and EIGRP boundaries? (Choose two.)

A. AD manipulation
B. matching OSPF external routes
C. route tagging
D. route tagging
E. route filtering
F. matching EIGRP process ID

Answer: DE

Explanation:
https://www.cisco.com/c/en/us/support/docs/ip/enhanced-interior-gateway-routing-protocol-eigrp/8606-redist.ht
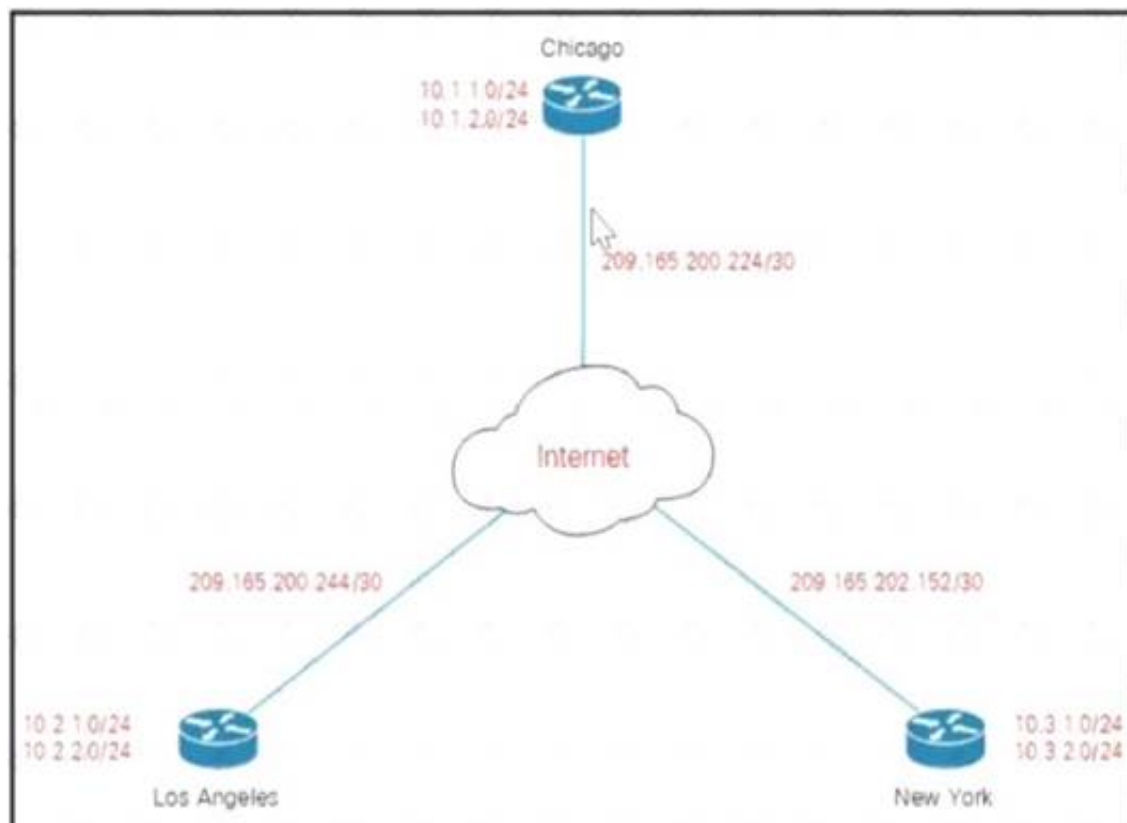

NEW QUESTION 3
When consumers that leverage IaaS reach 100% resource capacity, what can be used to redirect the overflow of traffic to the public cloud so there is no disruption to service?

A. cloud policing
B. cloud spill
C. cloud bursting
D. cloud shaping

Answer: C

NEW QUESTION 4
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 m the design?

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

Answer: B

NEW QUESTION 5
Drag and drop the QoS technologies from the left onto the correct capabilities on the right

low latency queuing	allows you to buffer traffic so that it adheres to the bandwidth provided by the service provider
CB-WFQ	used for scavenger traffic when it exceeds a specified limit
policing	allows you to prioritize traffic
traffic shaping	allows you to reserve bandwidth

A. Mastered
B. Not Mastered

Answer: A

Explanation:

low latency queuing	traffic shaping
CB-WFQ	policing
policing	low latency queuing
traffic shaping	CB-WFQ

NEW QUESTION 6
Which management category is not part of FCAPS framework?

A. Configuration
B. Security
C. Performance
D. Authentication
E. Fault-management

Answer: D

NEW QUESTION 7
According to the CIA triad principles for network security design, which principle should be priority for a Zero Trust network?

A. requirement for data-in-motion encryption and 2FA authentication
B. requirement for data-at-rest encryption foe user identification within the VPN termination hardware
C. categorization of systems, data, and enterprise BYOD assets that are connected to network zones based on individual privacy needs
D. ensuring that authorized users have high-availability system access from defined zones to defined systems or zones

Answer: A

NEW QUESTION 8
Drag and drop the end-to-end network virtualization elements from the left onto the correct network areas on the right.
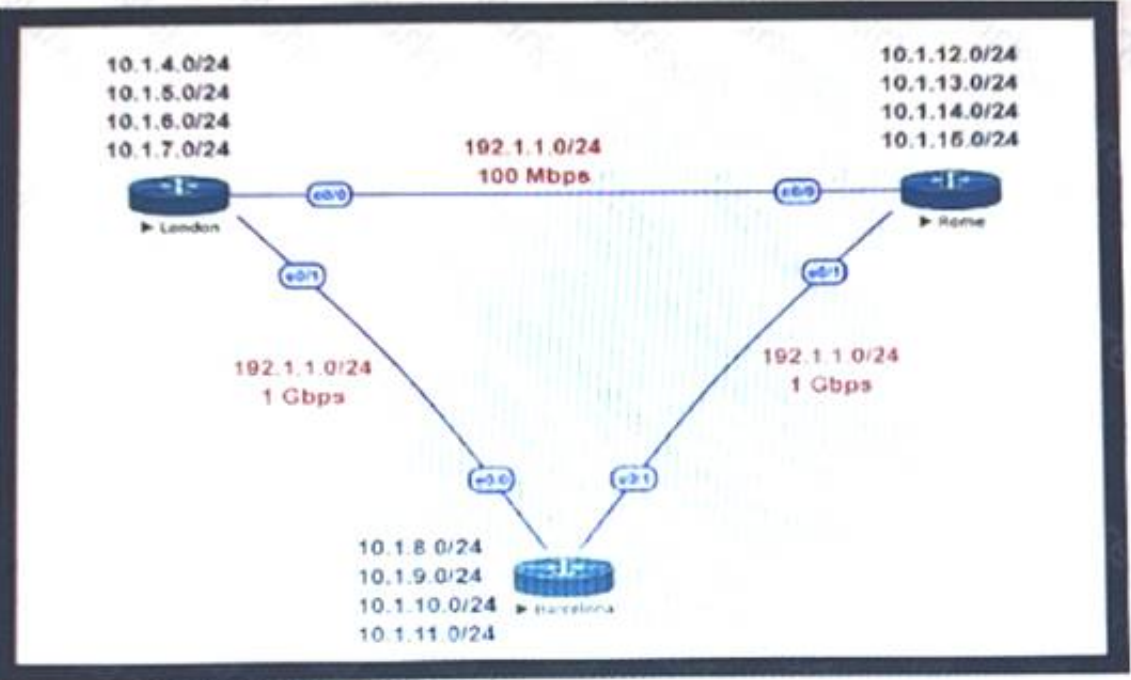
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface Description automatically generated with medium confidence

NEW QUESTION 9
Refer to the exhibit.

This network is running OSPF as the routing protocol. The internal networks are being advertised in OSPF London and Rome are using the direct link to reach each other although the transfer rates are better via Barcelona Which OSPF design change allows OSPF to calculate the proper costs?

A. Change the OSPF reference bandwidth to accommodate faster links.
B. Filter the routes on the link between London and Rome
C. Change the interface bandwidth on all the links.
D. Implement OSPF summarisation to fix the issue

Answer: A

NEW QUESTION 10
Which three elements help network designers to construct secure systems that protect information and resources (such as devices, communication, and data) from unauthorized access, modification, inspection, or destruction? (Choose three.)

A. confidential
B. serviceability
C. reliability
D. availability
E. integrity
F. scalability

Answer: ADE

NEW QUESTION 10

Which issue poses a challenge for security architects who want end-to-end visibility of their networks?

A. too many overlapping controls
B. too many disparate solutions and technology silos
C. an overabundance of manual processes
D. a network security skills shortage

Answer: B

NEW QUESTION 15
What is a disadvantage of the traditional three-tier architecture model when east west traffic between different pods must go through the distribution and core layers?

A. low bandwidth
B. security
C. scalability
D. high latency

Answer: A

NEW QUESTION 20
Which technology supports antispoofing and does not have any impact on encryption performance regardless of packet size?

A. MACsec
B. IP source guard
C. DHCP snooping with DAI
D. IPsec

Answer: A

NEW QUESTION 24
Company XYZ uses an office model where the employees can use any open desk and plug their laptops in. They want to authenticate the end users using their domain username and password before allowing them access to the network. The design must also accommodate the ability of controlling traffic within the same group or subnet if a macro (or micro) segmentation-based model is adopted in the future. Which protocol can be recommended for this design to authenticate end users?

A. LDAP
B. EAP
C. TACACS+
D. RADIUS

Answer: D

Explanation:
https://www.networkstraining.com/what-is-cisco-ise/

NEW QUESTION 28
A network architect must redesign a service provider edge, where multiservice and multitenant PEs are currently present. Which design feature should be minimized in the new design to achieve reliability?

A. bridging
B. fate sharing
C. redundancy
D. unicast overlay routing

Answer: B

NEW QUESTION 33
Which two points must network designers consider when designing a new network design or when evaluating an existing network design to help them understand the high-level design direction with regards to the security aspects? (Choose two)

A. Consider Business objectives and goals
B. Consider organization's security policy standards
C. Consider for only multi-site networks
D. Consider for only new network technologies and components

Answer: AB

NEW QUESTION 37
Which Interconnectivity method offers the fastest convergence in the event of a unidirectional issue between three Layer 3 switches connected together with routed links in the same rack in a data center?
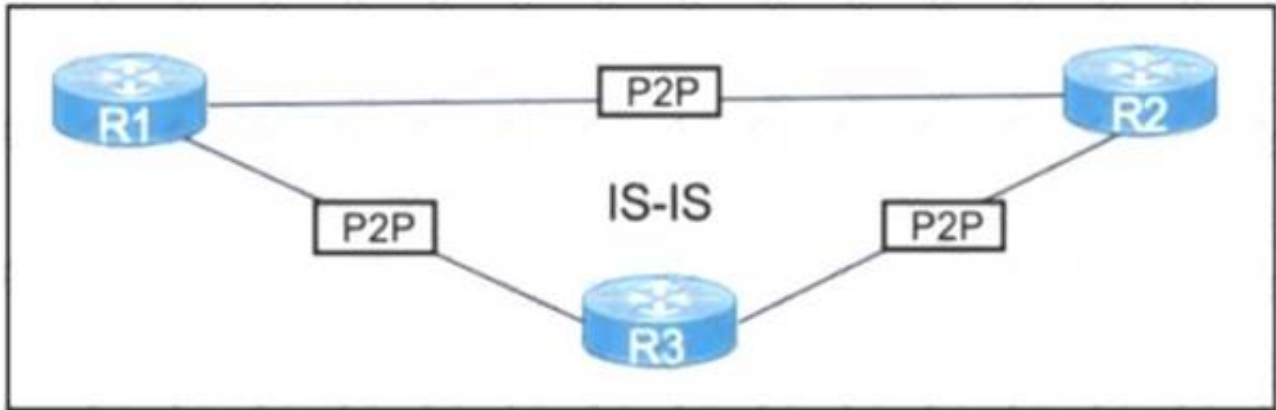
A. Copper Ethernet connectivity with BFD enabled
B. Copper Ethernet connectivity with UDLD enabled
C. Fiber Ethernet connectivity with BFD enabled
D. Fiber Ethernet connectivity with UDLD enabled

Answer: C

NEW QUESTION 41
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. Configure debounce timers
B. Increase fast hello timers
C. Implement BFD
D. Enable LSP fast flood

Answer: C

NEW QUESTION 45
As part of workspace digitization, a large enterprise has migrated all their users to Desktop as a Sen/ice (DaaS), by hosting the backend system in their on-premises data center. Some of the branches have started to experience disconnections to the DaaS at periodic intervals, however, local users in the data center and head office do not experience this behavior. Which technology can be used to mitigate this issue?

A. tail drop
B. traffic shaping
C. WRED
D. traffic policing

Answer: B

Explanation:
Traffic Shaping does help with congestion and better bandwidth utilization over the WAN.

NEW QUESTION 46
You are using iSCSI to transfer files between a 10 Gigabit Ethernet storage system and a 1 Gigabit Ethernet server The performance is only approximately 700 Mbps and output drops are occurring on the server switch port. Which action will improve performance in a cost-effective manner?

A. Change the protocol to CIFS.
B. Increase the queue to at least 1 GB
C. Use a WRED random drop policy
D. Enable the TCP Nagle algorithm on the receiver

Answer: A

NEW QUESTION 48
Drag and drop the design characteristics from the left onto the correct network filter techniques on the right. Not all options are used.
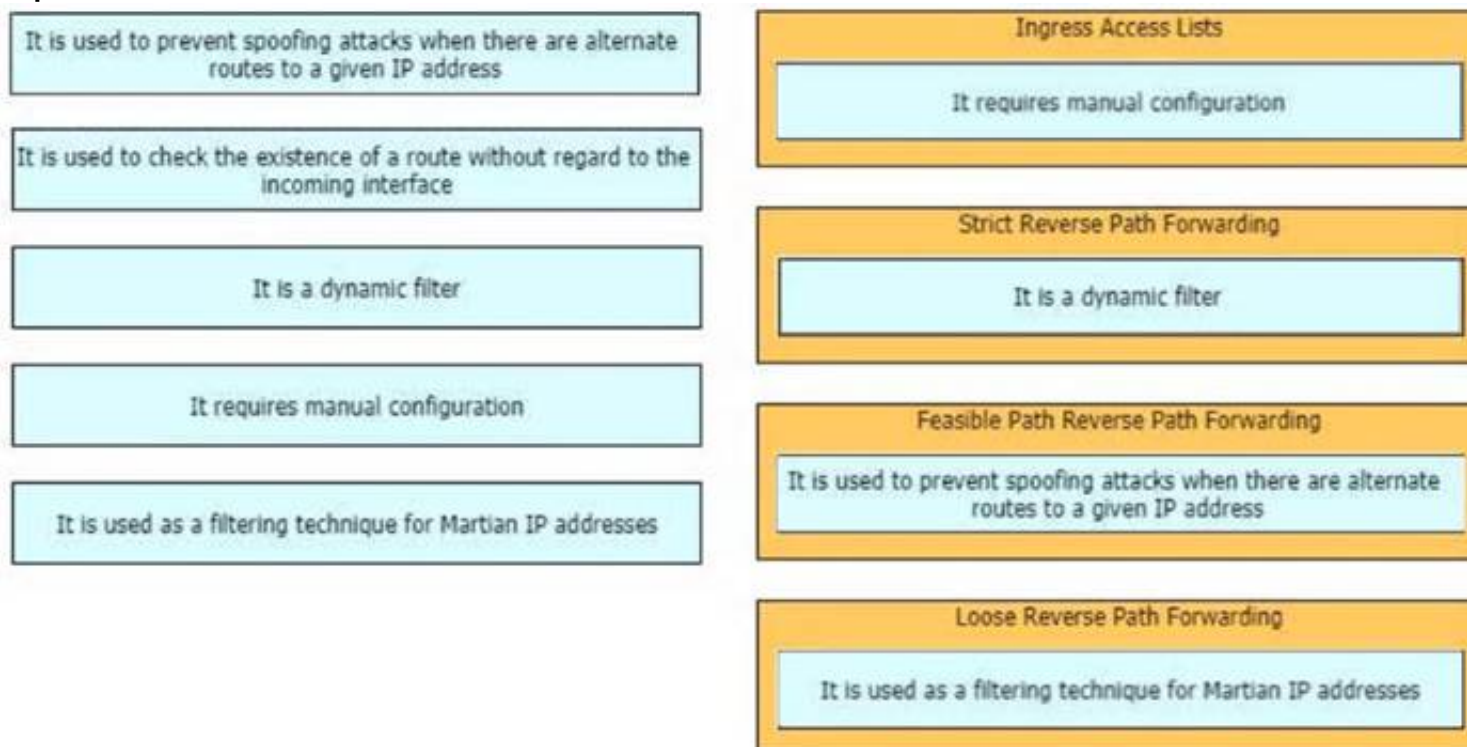

A. Mastered

B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 52
Which two statements describe the hierarchical LAN design model? (Choose two)

A. It is a well-understood architecture that provides scalability
B. It is the best design for modern data centers
C. It is the most optimal design but is highly complex
D. It provides a simplified design
E. Changes, upgrades, and new services can be introduced in a controlled and stagged manner

Answer: AE

NEW QUESTION 55
The administrator of a small branch office wants to implement the Layer 2 network without running STP The office has some redundant paths Which mechanism can the administrator use to allow redundancy without creating Layer 2 loops?

A. Use double-sided VPC on both switches
B. Use two port channels as Flex links
C. Use fabric path with ECMP
D. Use 802.3ad link bundling.

Answer: B

NEW QUESTION 60
A financial company requires that a custom TCP-based stock-trading application be prioritized over all other traffic for the business due to the associated revenue. The company also requires that VoIP be prioritized for manual trades. Which directive should be followed when a QoS strategy is developed for the business?

A. Allow VoIP and the custom application to share the same priority queue,
B. The custom application and VoIP must be assigned their own separate priority queue.
C. Interleave the custom application with other TCP applications in the same CBWR
D. Avoid placing the custom application in a CBWFQ queue that contains other

Answer: C

NEW QUESTION 64
In search of a system capable of hosting, monitoring compiling. and testing code in an automated way, what can be recommended to the organization?

A. Jenkins
B. Ansible
C. Perl
D. Chef

Answer: A

NEW QUESTION 68
Which two protocols are used bv SDN controllers to communicate with switches and routers? (Choose two)

A. OpenFlash
B. OpenFlow
C. NetFlash

D. Open vSwitch Database
E. NetFlow

Answer: BD

NEW QUESTION 70
Drag and drop the FCAPS network management reference models from the left onto the correct definitions on the right.

Fault Management	ensures that network transit quality remains at acceptable levels
Configuration Management	gathers usage statistics for users and business units
Accounting Management	gathers and stores configuration code from network devices
Performance Management	recognizes, isolates, corrects, and logs events that occur in the network
Security Management	controls access to assets in the network

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Fault Management = Recognize, isolates, corrects, and logs events that occur in the network

Configuration Management = Gathers and stores configration code from network devices

Performance Management = ensures that network transit quality remains at acceptable laevels

Security Management = Controls access to assets in the network

Accounting Management = gathers usage statistics for users and business units

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NEW QUESTION 72
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. LISP
C. MSTP
D. switch stack

Answer: B

NEW QUESTION 76
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. on premises
B. private cloud
C. public cloud
D. hybrid cloud

Answer: C

NEW QUESTION 81
An enterprise has identified these causes for inefficient CAPEX spending:
⮞ CAPEX planning is driven by technology and not by business objectives.
⮞ The CAPEX planning team lacks the data it needs to perform due diligence tasks.
⮞ The organizational structure lacks sufficient accountability and incentives.
Which corporate cultural change contributes to improving the effectiveness of CAPEX spending?

A. Build a financial control function that delivers high-quality reports on operational expenses for business insight and financial reporting.
B. CxO-level staff must have a full technical understanding but the should not trust their technical leaders fully.
C. Adopt new organizational models that promote real accountability for RO
D. not just revenu
E. EBITDA, and cash.
F. Marketing and product management divisions must reduce their CAPEX budgets significantly to drive the change.

Answer: C

NEW QUESTION 84
What is the most important operational driver in building a resilient and secure modular network design?

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

Answer: B

NEW QUESTION 87
Which two actions ensure voice quality in a branch location with a low-speed, high-latency WAN connection? (Choose two.)

A. Increase WAN bandwidth
B. Increase memory branch switch.
C. Fragment data packets.
D. Replace any electrical links with optical links
E. Prioritize voice packets

Answer: CE

NEW QUESTION 92
A healthcare provider discovers that protected health information of patients was altered without patient consent. The healthcare provider is subject to HIPAA compliance and is required to protect PHI data. Which type of security safeguard should be implemented to resolve this issue?

A. technical and physical access control
B. administrative security management processes
C. physical device and media control
D. technical integrity and transmission security

Answer: D

Explanation:
https://www.cisco.com/en/US/docs/solutions/Enterprise/Compliance/HIPAA/HIP_AppC.html#wp1085353

NEW QUESTION 95
Which parameter is the most important factor to consider when deciding service placement in a cloud solution?

A. data replication cost
B. application structure
C. security framework Implementation time
D. data confidentiality rules

Answer: D

NEW QUESTION 100
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. multicast client registration to the RP
C. multicast source registration to the RP
D. transport of all IPv6 multicast traffic

Answer: D

NEW QUESTION 102
In an OSPF network with routers connected together with Ethernet cabling, which topology typically takes the longest to converge?

A. partial mesh
B. full mesh
C. ring
D. squared
E. triangulated

Answer: B

NEW QUESTION 104
A network design includes a long signaling delay in notifying the Layer 3 control plane that an interface has failed Which two of these actions would reduce that delay? (Choose two.)

A. Increase network stability.
B. Reduce the time for the network to reconverge.
C. Increase the notification of interface flaps.
D. Enable lower data link layer recovery systems to have an opportunity to restore the interface

Answer: BD

NEW QUESTION 108
A service provider recently migrated to an SD-WAN solution for delivering WAN connections to its customers. One of the main challenges with the SD-WAN deployment is that branch site volume increases every year, which causes management complexity. Which action resolves the issue?

A. Implement a scalable network management system to manage all sites.
B. Adopt a well-structured SD-WAN service management lifecycle model
C. Build a service orchestration platform on top of the network controller
D. Set up a dedicated team to monitor and provision new customers

Answer: C

NEW QUESTION 113
An engineer must design a network for a company that uses OSPF LFA to reduce loops. Which type of loop would be reduced by using this design?

A. DTP
B. micro loops
C. STP
D. REP

Answer: B

NEW QUESTION 118
Which two data plane hardening techniques are true? (Choose two)

A. warning banners
B. redundant AAA servers
C. Control Plane Policing
D. SNMPv3
E. infrastructure ACLs
F. disable unused services
G. routing protocol authentication

Answer: EF

NEW QUESTION 122
A network architect in an enterprise is designing a network policy for certain database applications. The goal of the policy is to allow these applications to access the internet directly, whereas other user and network applications that communicate with systems or users outside their own network must be routed through the data center. The focus is on achieving higher availability and a better user experience for the database applications, but switching between different network paths based on performance characteristics must be supported.
Which solution meets these requirements?

A. MPLS L3VPN with QoS
B. Cloud onRamp for IaaS
C. Cloud onRamp for SaaS
D. MPLS direct connect

Answer: C

Explanation:
https://www.cisco.com/c/en/us/solutions/collateral/enterprise-networks/sd-wan/nb-06-cloud-onramp-saas-faq-ct

NEW QUESTION 125
Refer to the table.

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

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

Answer: A

NEW QUESTION 129
Company XYZ has 30 sites using MPLS L3 VPN and the company is now concerned about data integrity. The company wants to redesign the security aspect of their network based on these requirements:
• Securely transfer the corporate data over the private WAN
• Use a centralized configuration model.
• Minimize overhead on the tunneled traffic.
Which technology can be used in the new design to meet the company's requirements?

A. S-VTI
B. DMVPN
C. MGRE
D. GET VPN

Answer: D

NEW QUESTION 133
Which SDN architecture component is used by the application layer to communicate with the control plane layer to provide instructions about the resources required by applications?

A. southbound APIs
B. northbound APIs
C. orchestration layer
D. SDN controller

Answer: B

NEW QUESTION 138
Which design benefit of bridge assurance is true?

A. It supposes a spanning-tee topology change upon connecting and disconnecting a station on a port
B. It prevents switched traffic from traversing suboptimal paths on the network.
C. It allows small, unmanaged switches to be plugged into ports of access switches without the risk of switch loops.
D. It prevents switch loops caused by unidirectional point-to-point link condition on Rapid PVST + and MST

Answer: D

NEW QUESTION 141
A business invests in SDN and develops its own SDN controller that, due to budget constraints, runs on a single controller. The controller actively places an exclusive lock on the configuration of the devices to ensure it is the only source of changes to the environment. What is the result if the controller fails?

A. All device configurations are in read-only mode until the controller is restored.
B. The control plane is unavailable until the controller is restored.
C. If a device fails, the configuration backup is unavailable
D. Manual changes are only possible until the controller is restored

Answer: B

NEW QUESTION 142
Drag and drop the characteristics from the left onto the corresponding network management options on the right.

protocol based on HTTP for configuring data defined in YANG and supports operations such as GET, PUT, POST, PATCH, and DELETE	NETCONF
provides mechanisms to install, manipulate, and delete the configuration of network devices; uses XML for data encoding and the operation is realized as RPC	RESTCONF
application program interface that uses HTTP requests to GET, PUT, POST, and DELETE data	ANSIBLE
open-source software provisioning, configuration management, and application-deployment tool	YANG
data modeling language used to model configuration data, state data, remote procedure calls, and notifications for network management protocols	REST API

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated

NEW QUESTION 147
Which two features describe controller-based networking solutions compared to traditional networking solutions? (Choose two.)

A. inflate licensing costs
B. reduce network configuration complexity
C. provide centralization of primary IT functions
D. allow for fewer network failures
E. increase network bandwidth usage

Answer: BC

NEW QUESTION 148
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.)

A. IS-IS
B. static
C. RIP
D. EIGRP
E. BGP

Answer: ABDE

NEW QUESTION 153
A multicast network is sing 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. Use two phantom RP addresses
B. Manipulate the administration distance of the unicast routes to the two RPs
C. Manipulate the multicast routing table by creating static mroutes to the two RPs
D. Advertise the two RP addresses in the routing protocol
E. Use anycast RP based on MSDP peering between the two RPs
F. Control routing to the two RPs through a longest match prefix

Answer: AF

Explanation:
https://community.cisco.com/t5/networking-knowledge-base/rp-redundancy-with-pim-bidir-phantom-rp/ta-p/31

NEW QUESTION 154
Company ABC uses IPv4-only. Recently they started deploying new endpoint devices. For operational reasons, IPv6 cannot be disabled on these new endpoint devices. Which security measure prevents the new endpoint from learning an IPv6 prefix from an attacker?

A. Source Guard and Prefix Guard
B. Router Advertisement Guard
C. Prefix Guard
D. Secure Neighbor Discovery

Answer: B

NEW QUESTION 159
Which two factors provide multifactor authentication for secure access to applications and data, no matter where the users are or which devices they are on? (Choose two.)

A. persona-based
B. power-based
C. push-based
D. possession-based
E. pull-based

Answer: CD

NEW QUESTION 164
An enterprise that runs numerous proprietary applications has major issues with its on-premises server estate hardware, to the point where business-critical functions are compromised. The enterprise accelerates plans to migrate services to the cloud. Which cloud service should be used if the enterprise wants to avoid hardware issues yet have control of its applications and operating system?

A. SaaS
B. PaaS
C. IaaS
D. hybrid cloud

Answer: C

NEW QUESTION 169
Which feature is supported by NETCONF but is not supported by SNMP?

A. distinguishing between configuration data and operational data
B. taking administrative actions
C. collecting the status of specific fields
D. changing the configuration of specific fields

Answer: A

NEW QUESTION 174
Which two statements explain the operation of BFD asynchronous mode? (Choose two)

A. BFD asynchronous mode with echo packets combines the control packets and echo packets into a single packet.
B. BFD asynchronous mode without echo packets uses control packets, and BFD asynchronous mode with echo packets does not.
C. BFD asynchronous mode with and without echo packets use control packets.
D. BFD asynchronous without echo packets has control packets sent back to the originating router, which echoes the control packet to detect failures.
E. BFD asynchronous mode with echo packets uses separate control packets and echo packets.

Answer: CE

NEW QUESTION 177
Company XYZ branch offices connect to the headquarter sites using two links, MPLS and Internet. The company wants to design the traffic flow so that voice traffic goes through the MPLS link and all other traffic uses either the MPLS link or the Internet link. Which technique can the company use in their design to ensure that the traffic is not process switched?

A. policy-based routing
B. virtual links
C. visualization
D. floating static route

Answer: A

NEW QUESTION 182
Software-defined networking architecture is used for cost-effective, adaptable, and easily manageable applications. In which two software-defined networks is SDN commonly used? (Choose two.)

A. wide area network
B. mobile network
C. metro network
D. application network
E. control network

Answer: AE

NEW QUESTION 187
Which component of the SDN architecture automatically ensures that application traffic is routed according to policies established by network administrators?

A. packet forwarding engine
B. northbound API
C. southbound API
D. SDN controller

Answer: D

NEW QUESTION 188
Your network operations team is deploying Access Control Lists (ACLs) across your Internet gateways They wish to place an ACL inbound on the Internet gateway interface facing the core network (the "trusted" interface). Which IP address would the ACL need for traffic sourced from the inside interface, to match the source address of the traffic?

A. inside global
B. outside global
C. inside local
D. outside local

Answer: C

NEW QUESTION 190
What are two design constraints in a standard spine and leaf architecture? (Choose two.)

A. Spine switches can connect to each other.
B. Each spine switch must connect to every leaf switch.
C. Leaf switches must connect to each other.
D. Endpoints connect only to the spine switches.
E. Each leaf switch must connect to every spine switch.

Answer: BE

NEW QUESTION 194
Company XYZ wants to improve the security design of their network to include protection from reconnaissance and DoS attacks on their sub interfaces destined toward next hop routers. Which technology can be used to prevent these types of attacks?

A. MPP
B. CPPr
C. CoPP
D. DPP

Answer: B

Explanation:
https://learningnetwork.cisco.com/s/question/0D53i00000KsuyvCAB/copp-vs-cppr

NEW QUESTION 197
Company XYZ wants to secure the data plane of their network. Which two technologies can be included in the security design? (Choose two)

A. DAI
B. IP Source Guard
C. BEEP
D. CPPr
E. MPP

Answer: AB

NEW QUESTION 199
A software-defined networking (SDN) controller teams network topology information by using BGP link-state sessions with the route reflectors of an MPLS-enabled network. The controller then uses the topology information to apply on-demand traffic policies to the network through a protocol that is supported from all Layer 3 routers Each policy is represented as a RIB entry in the control plane of the router Which SDN model has been implemented?

A. SDN centralized
B. SDN traffic engineering
C. SD-WAN
D. SDN hybrid

Answer: B

NEW QUESTION 202
You have been tasked with designing a data center interconnect as part of business continuity You want to use FCoE over this DCI to support synchronous replication. Which two technologies allow for FCoE via lossless Ethernet or data center bridging? (Choose two.)

A. DWDM
B. EoMPLS

C. SONET/SDH
D. Multichassis EtherChannel over Pseudowire
E. VPLS

Answer: AC

NEW QUESTION 207
Which two benefits can software defined networks provide to businesses? (Choose two.)

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

Answer: DE

NEW QUESTION 210
As network designer, which option is your main concern with regards to virtualizing multiple network zones into a single hardware device?

A. Fate sharing
B. CPU resource allocation
C. Congestion control
D. Security
E. Bandwidth allocation

Answer: A

NEW QUESTION 212
Which main IoT migration aspect should be reviewed for a manufacturing plant?

A. Sensors
B. Security
C. Applications
D. Wi-Fi Infrastructure
E. Ethernet Switches

Answer: A

NEW QUESTION 216
Which three items do you recommend for control plane hardening of an infrastructure device? (Choose three.)

A. routing protocol authentication
B. SNMPv3
C. Control Plane Policing
D. redundant AAA servers
E. warning banners
F. to enable unused services

Answer: ABC

NEW QUESTION 218
What are two advantages of controller-based networks versus traditional networks? (Choose two.)

A. the ability to have forwarding tables at each device
B. more flexible configuration per device
C. more consistent device configuration
D. programmatic APIs that are available per device
E. the ability to configure the features for the network rather than per device

Answer: CE

NEW QUESTION 222
The Agile Manifesto is a document that defines the key values and principles behind the Agile philosophy and helps development teams work more efficiently and sustainably Each of the four key values is split into two sections a left-hand side and a right-hand side In other words, though there is value in the items on the right we value the items on the left more What is one of the key values of the Agile Manifesto?

A. comprehensive documentation over working software
B. contract negotiation over customer collaboration
C. individuals and interactions over processes and tools
D. following a plan over responding to change

Answer: C

NEW QUESTION 223

Customer XYZ network consists of an MPLS core. IS-IS running as IGP a pair of BGP route reflectors for route propagation, and a few dozens of MPLS-TE tunnels for specific tactical traffic engineering requirements. The customer's engineering department has some questions about the use of the Overload Bit in the IS-IS networks and how it could be used to improve their current network design. Which two concepts about the Overload Bit are true? (Choose two.)

A. It can be set on a router during the startup process for a fixed period of time
B. Networks advertised within the LSPs of the respective node will become unreachable
C. It forces the midpoint MPLS-TE node to reoptimize the primary tunnels going through the OL node.
D. It can be set on a router until other interacting protocols have signaled convergence.
E. It is not recommended on BGP Route Reflectors

Answer: AD

NEW QUESTION 225
An architect receives a functional requirement for a NAC system from a customer security policy stating that if a corporate Wi-Fi device does not meet current AV definitions, then it cannot access the corporate network until the definitions are updated. Which component should be built into the NAC design?

A. posture assessment with remediation VLAN
B. quarantine SGTs
C. dACLs with SGTs
D. quarantine VLAN

Answer: A

NEW QUESTION 226
Company XYZ wants to use the FCAPS ISO standard for network management design. The focus of the design should be to minimize network outages by employing a set of procedures and activities to detect and isolate network issues and the appropriate corrective actions to overcome current issues and prevent them from occurring again. Which layer accomplishes this design requirement?

A. fault management
B. performance management
C. security management
D. accounting management

Answer: A

NEW QUESTION 230
Drag and drop the design use cases from the left onto the correct uRPF techniques used to prevent spoofing attacks Not all options are used.

to check whether a route to a given IP address exists without regard to its incoming interface	strict mode
to filter Bogon IP addresses	feasible mode
to ensure the incoming interface is the best reverse path to a given IP address	loose mode
when there are alternate routes to a given IP address	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

to check whether a route to a given IP address exists without regard to its incoming interface	to ensure the incoming interface is the best reverse path to a given IP address
to filter Bogon IP addresses	when there are alternate routes to a given IP address
to ensure the incoming interface is the best reverse path to a given IP address	to filter Bogon IP addresses
when there are alternate routes to a given IP address	

NEW QUESTION 232

Which two features are advantages of SD-WAN compared to MPLS-based connectivity? (Choose two.)

A. uses FEC constructs for traffic forwarding, thereby improving efficiency
B. separates infrastructure and policy
C. uses policy-based forwarding of real-time traffic with less complexity
D. unifies the WAN backbone
E. manages failures through backup links

Answer: CD

NEW QUESTION 234
The SD-WAN architecture is composed of separate orchestration management, control, and data planes Which activity happens at the orchestration plane?

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

Answer: D

NEW QUESTION 235
The Layer 3 control plane is the intelligence over the network that steers traffic toward its intended destination. Which two techniques can be used in service provider-style networks to offer a more dynamic, flexible, controlled, and secure control plane design? (Choose two.)

A. access control lists
B. firewalls
C. QoS policy propagation with BGP
D. remote black-holing trigger
E. prefix lists

Answer: DE

NEW QUESTION 238
Refer to the exhibit.
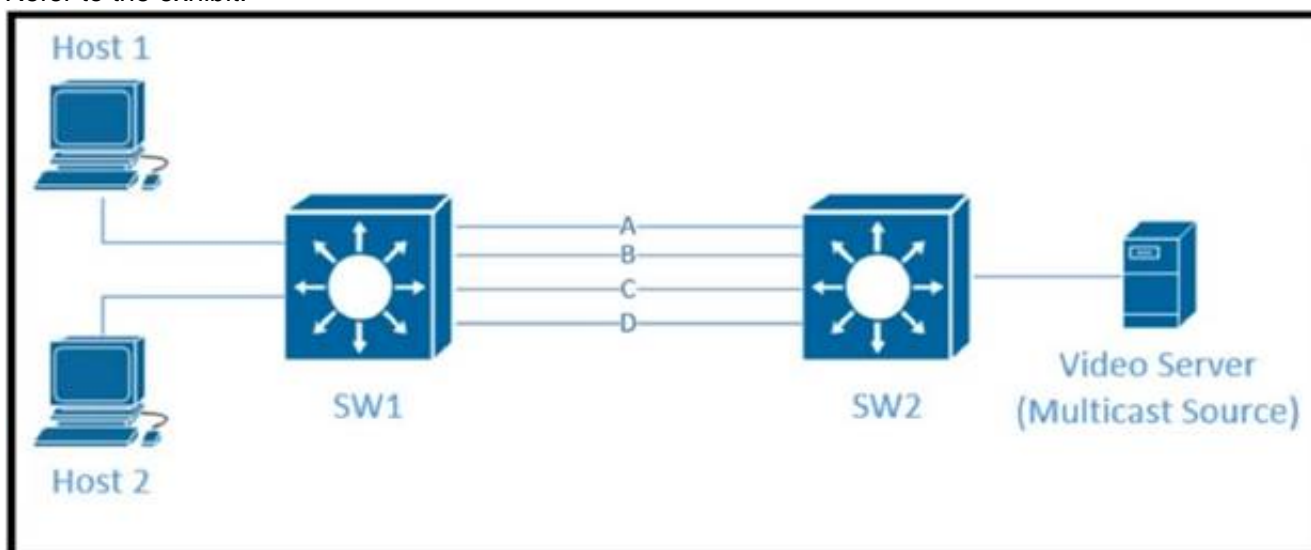
Traffic was equally balanced between Layer 3 links on core switches SW1 and SW2 before an introduction of the new video server in the network. This video server uses multicast to send video streams to hosts and now one of the links between core switches is over utilized Which design solution solves this issue?

A. Add more links between core switches.
B. Aggregate links Layer 2 link aggregation.
C. Apply a more granular load- balancing method on SW1.
D. Apply a more granular load-balancing method on SW2.
E. Filter IGMP joins on an over -utilized link.

Answer: B

NEW QUESTION 242
A network security team observes phishing attacks on a user machine from a remote location. The organization has a policy of saving confidential data on two different systems using different types of authentication. What is the next step to control such events after the security team verifies all users in Zero Trust modeling?

A. Enforce risk-based and adaptive access policies.
B. Assess real-time security health of devices.
C. Apply a context-based network access control policy for users.
D. Ensure trustworthiness of devices.

Answer: B

NEW QUESTION 244
Which relationship between IBGP and the underlying physical topology is true?

A. iBGP full mesh requirement does not dictate any specific network topology.

B. iBGP can worn only on a ring network topology with a link-state protocol like OSPF or IS-IS
C. iBGP full mesh requires an underlying fully meshed network topology.
D. iBGP does not work on a ring network topology even with an underlying IGP.

Answer: A

Explanation:
iBGP peers can be multiple hops away. not like eBGP that needs direct connection (or ebgp-multihop defined). thus, only IP connectivity between two peers is required for an adjacency to form.

NEW QUESTION 246
Which two factors must be considered for high availability in campus LAN designs to mitigate concerns about unavailability of network resources? (Choose two.)

A. device resiliency
B. device type
C. network type
D. network resiliency
E. network size

Answer: AD

NEW QUESTION 249
A business requirement stating that failure of WAN access for dual circuits into an MPLS provider for a Data Centre cannot happen due to related service credits that would need to be paid has led to diversely routed circuits to different points of presence on the providers network? What should a network designer also consider as part of the requirement?

A. Provision of an additional MPLS provider
B. Out of band access to the MPLS routers
C. Ensuring all related remote branches are dual homed to the MPLS network
D. Dual PSUs & Supervisors on each MPLS router

Answer: A

NEW QUESTION 252
Company XYZ has two routing domains in their network, EIGRP and OSPF. The company wants to provide full reachability between the two domains by implementing redistribution on a router running both protocols. They need to design the redistribution in a way that the OSPF routers will see link costs added to external routes. How must the redistribution strategy be designed for this network?

A. Redistribute using metric type 2 into OSPF.
B. Redistribute using metric type 1 into OSPF.
C. Redistribute using metric type 1 into EIGRP.
D. Redistribute using metric type 2 into EIGRP.

Answer: B

Explanation:
https://www.ciscopress.com/articles/article.asp?p=27573&seqNum=4#:~:text=Routes%20are%20redistributed%

NEW QUESTION 255
Which function is performed at the access layer of the three-layer hierarchical network design model?

A. fault isolation
B. QoS classification and marking boundary
C. reliability
D. fast transport
E. redundancy and load balancing

Answer: B

NEW QUESTION 257
Company XYZ has a multicast domain that spans across multiple autonomous systems. The company wants to choose a technology that provides simplified and controlled approach to interconnecting the multicast domains. Which technology is the best fit for this purpose?

A. MSDP
B. PIM SSM
C. MPLS
D. PIM sparse mode

Answer: A

NEW QUESTION 258
What are two primary design constraints when a robust infrastructure solution is created? (Choose two.)

A. monitoring capabilities
B. project time frame
C. staff experience

D. component availability
E. total cost

Answer: BE

NEW QUESTION 259
When designing a WAN that will be carrying real-time traffic, what are two important reasons to consider serialization delay? (Choose two)

A. Serialization delays are invariable because they depend only on the line rate of the interface
B. Serialization delays are variable because they depend on the line rate of the interface and on the type of the packet being serialized.
C. Serialization delay is the time required to transmit the packet on the physical media.
D. Serialization delays are variable because they depend only on the size of the packet being serialized
E. Serialization delay depends not only on the line rate of the interface but also on the size of the packet

Answer: BD

NEW QUESTION 261
Retef to the exhibit.
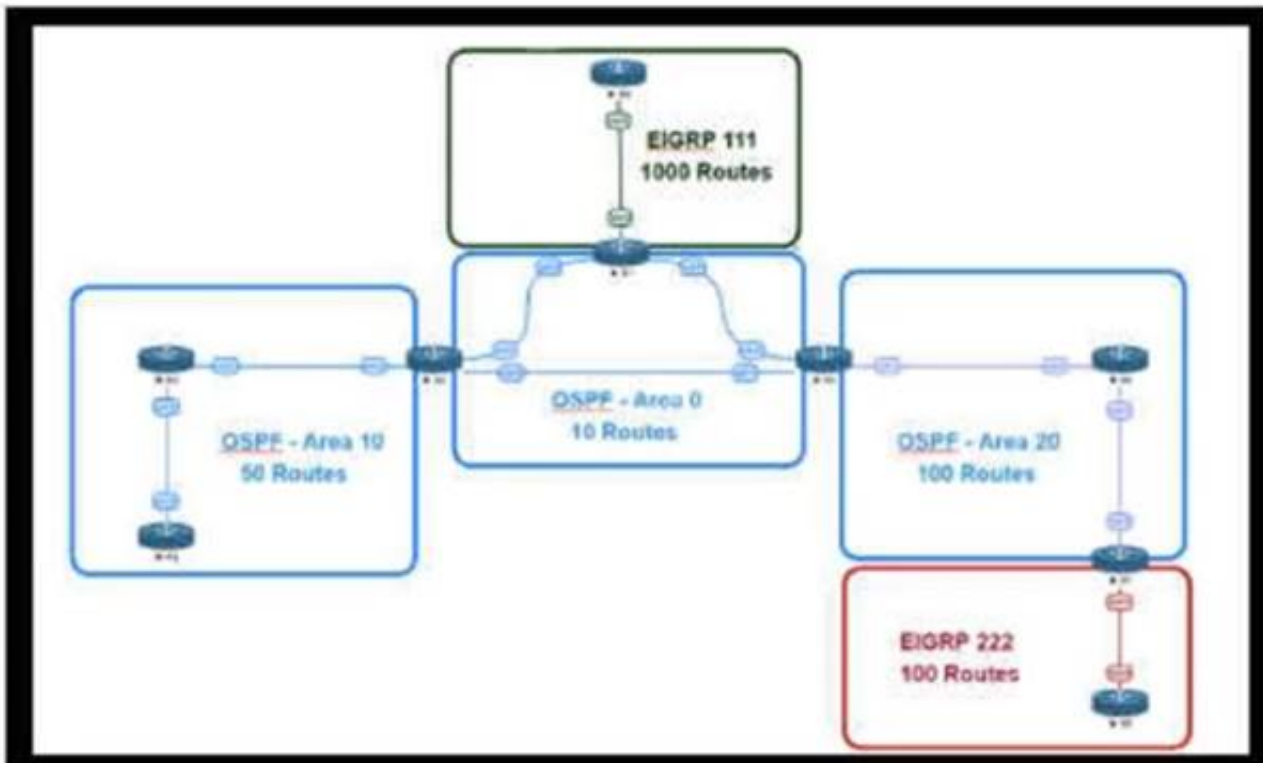
An engineer is designing a multiarea OSPF network for a client who also has a large EIGRP domain EIGRP routes are getting redistributed into OSPF ,OSPF area 20 has routers with limited memory and CPU resources The engineer wants to block routes from EIGRP 111 from propagating into area 20 and allow EIGRP 222 routes to How in Which OSPF area type fulfills this design requirement?

A. area 20 as a stub area
B. type 5 LSA filtering on the ASBR between EIGRP 111 and area a
C. area 20 as a NSSA area
D. type 3 LSA filtering on the ABR between area 0 area 20

Answer: C

NEW QUESTION 264
Which two advantages of using DWDM over traditional optical networks are true? (Choose two.)

A. inherent topology flexibility and service protection provided without penalty through intelligent oversubscription of bandwidth reservation
B. ability to expand bandwidth over existing optical Infrastructure
C. inherent topology flexibility with built-in service protection
D. inherent topology flexibility with intelligent chromatic dispersion
E. inherent topology flexibility with a service protection provided through a direct integration with an upper layer protocol

Answer: BC

NEW QUESTION 269
A BGP route reflector in the network is taking longer than expected to coverage during large network changes. Troubleshooting shows that the router cannot handle all the TCP acknowledgements during route updates. Which action can be performed to tune the device performance?

A. Increase the size of the hold queue.
B. Increase the size of the large buffers.
C. Decrease the size of the small buffers.
D. Increase the keepalive timers for each BGP neighbor.

Answer: A

NEW QUESTION 271
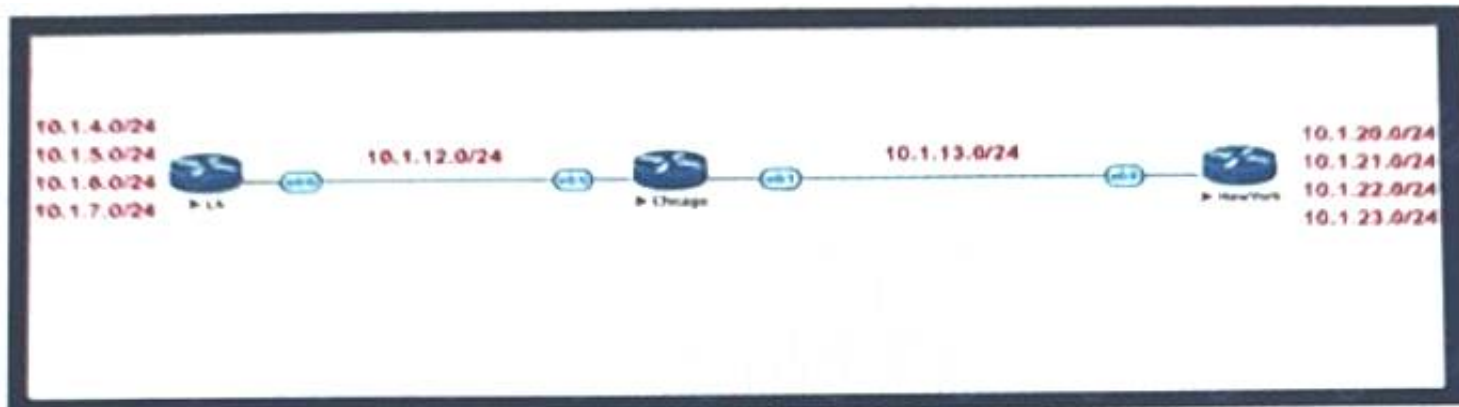Which tool automates network implementation activities and shortens the implementation lifecycle?

A. LISP

B. Java
C. Conclusion
D. Python

Answer: D

NEW QUESTION 274
Refer to the exhibit.

Company XYZ BGP topology is as shown in the diagram. The interface on the LA router connected toward the 10 1.5.0/24 network is faulty and is going up and down, which affects the entire routing domain. Which routing technique can the network administrator use so that the rest of the network is not affected by the flapping issue?

A. The LA administrator should use route aggregation to summarize the 10 1 4.0/24, 10 1 5 0/24, 10.1.6.0/24, and 10 1 7 0/24 networks toward Chicago
B. The LA administrator should use route dampening for the 10.1.5 0/24 network so that it does not get propagated when it flaps up and down.
C. The LA administrator should use route filtering to block the 10.1.5.0/24 network from getting propagated toward Chicago and New York.
D. The Chicago administrator should use route filtering to block the 10.1.5.0/24 network from coming in from the LA router.

Answer: B

NEW QUESTION 278
An architect designs a multi-controller network architecture with these requirements:

≫ Achieve fast failover to control traffic when controllers fail.

≫ 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?

A. control node reliability
B. controller stale consistency
C. control path reliability
D. controller clustering

Answer: B

NEW QUESTION 282
Which three tools are used for ongoing monitoring and maintenance of a voice and video environment? (Choose three.)

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

Answer: ACD

NEW QUESTION 287
An international media provider is an early adopter of Docker and micro services and is using an open-source homegrown container orchestration system. A few years ago, they migrated from on-premises data centers to the cloud Now they are faced with challenges related to management of the deployed services with their current homegrown orchestration system.
Which platform is well-suited as a state-aware orchestration system?

A. Puppet
B. Kubemetes
C. Ansible
D. Terraform

Answer: B

NEW QUESTION 292
Company XYZ, a global content provider, owns data centers on different continents. Their data center design involves a standard three-layer design with a Layer 3-only core. HSRP is used as the FHRP. They require VLAN extension across access switches in all data centers, and they plan to purchase a Layer 2 interconnection between two of their data centers in Europe. In the absence of other business or technical constraints, which termination point is optimal for the Layer 2 interconnection?

A. at the core layer, to otter the possibility to isolate STP domains
B. at me aggregation layer because it is the Layer 2 to Layer 3 demarcation point
C. at the access layer because the STP root bridge does not need to align with the HSRP active node.
D. at the core layer because all external connections must terminate there for security reasons

Answer: B

NEW QUESTION 294
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. Enable special requirements such as direct DID lines on pickup
C. Make recommendations to limit the size of the half-open session table on routers
D. Check if anomaly detection is enabled for SIP and H.323 on Layer 3 devices

Answer: B

NEW QUESTION 299
Agile and Waterfall are two popular methods for organizing projects. What describes any Agile network design development process?

A. working design over comprehensive documentation
B. contract negotiation over customer collaboration
C. following a plan over responding to change
D. processes and tools over individuals and interactions over time

Answer: A

NEW QUESTION 302
Which extensions to GRE tunneling provide session tracking and in-order packet delivery in exchange for additional state stored in tunnel endpoints?

A. GRE Protocol Type and Checksum extension fields.
B. GRE Version and Reserved0 extension fields.
C. No extension fields are available in the GRE header to track session data and packet sequences.
D. GRE Key and Sequence number extensions.

Answer: D

NEW QUESTION 307
The network team in XYZ Corp wants to modernize their infrastructure and is evaluating an implementation and migration plan to allow integration MPLS-based, Layer 2 Ethernet services managed by a service provider to connect branches and remote offices. To decrease OpEx and improve
response times when network components fail, XYZ Corp decided to acquire and deploy new routers. The network currently is operated over E1 leased lines (2 Mbps) with a managed CE service provided by the telco.
Drag and drop the implementation steps from the left onto the corresponding targets on the right in the correct order.

Activation of the MPLS-based L2VPN service.	Step 1
Monitor performance of the Ethernet service for a predefined period of time.	Step 2
Decomission E1 leased line.	Step 3
Deployment of new branch routers.	Step 4
Test and validation of SLA parameters in the L2VPN.	Step 5
Migrate E1 to the new Ethernet service.	Step 6

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated

NEW QUESTION 312
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. DMVPN phase 1 network over the Internet
B. Layer 3 MPLS VPN hub and spoke
C. Layer2VPLS
D. Layer 3 MPLS VPN full mesh
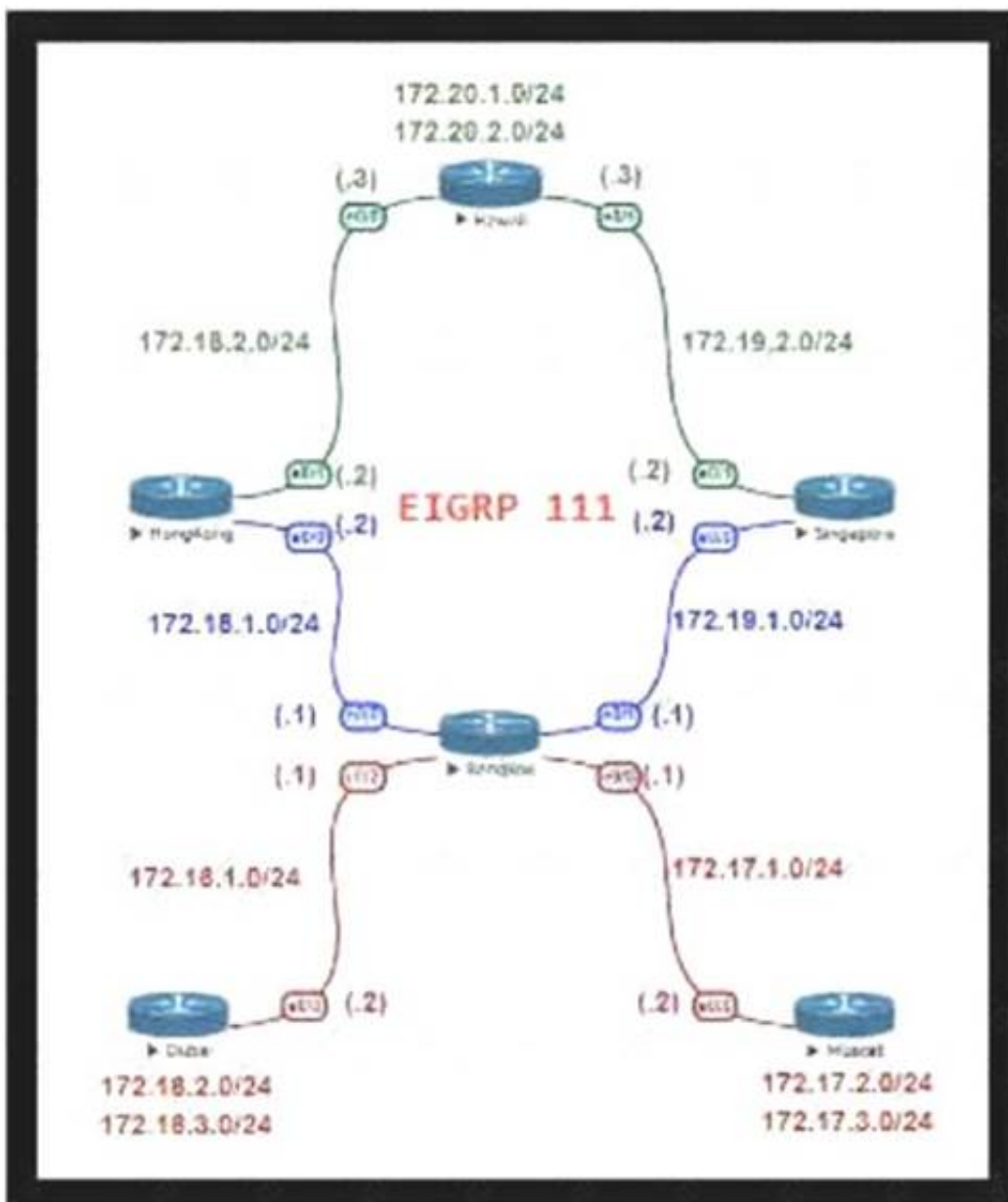
Answer: D

NEW QUESTION 316
Which technology is an open-source infrastructure automation tool that automates repetitive tasks for users who work in networks such as cloud provisioning and intraservice orchestration?

A. Ansible
B. Contrail
C. Java
D. Jinja2

Answer: A

NEW QUESTION 321
Refer to the exhibit.

For Company XYZ Bangkok is using ECMP to reach the 172 20 2 0/24 network The company wants a design that would allow them to forward traffic from 172 16 2 0/24 toward 172 20 2 0/24 via the Singapore router as the preferred route The rest of the traffic should continue to use ECMP Which technology fulfills this design requirement?

A. policy-based routing
B. route summarization
C. unequal-cost load balancing using variance
D. LFA

Answer: A

NEW QUESTION 322
Router R1 is a BGP speaker with one peering neighbor over link "A". When the R1 link/interface "A" fails, routing announcements are terminated, which results in the tearing down of the state for all BGP routes at each end of the link. What is this a good example of?

A. fault isolation
B. resiliency
C. redundancy
D. fate sharing

Answer: D

NEW QUESTION 325
You want to mitigate failures that are caused by STP loops that occur before UDLD detects the failure or that are caused by a device that is no longer sending BPDUs. Which mechanism do you use along with UDLD?

A. Root guard
B. BPDU guard
C. Loop guard
D. BPDU filtering

Answer: C

NEW QUESTION 326
Which two aspects are considered when designing a dual hub dual DMVPN cloud topology? (Choose two)

A. will only work with single-tier headend architecture
B. hub sites must connect to both DMVPN clouds
C. recommended for high availability
D. spoke-to-spoke traffic will transit the hub unless spokes exchange dynamic routing directly
E. requires all sites to have dual Internet connections
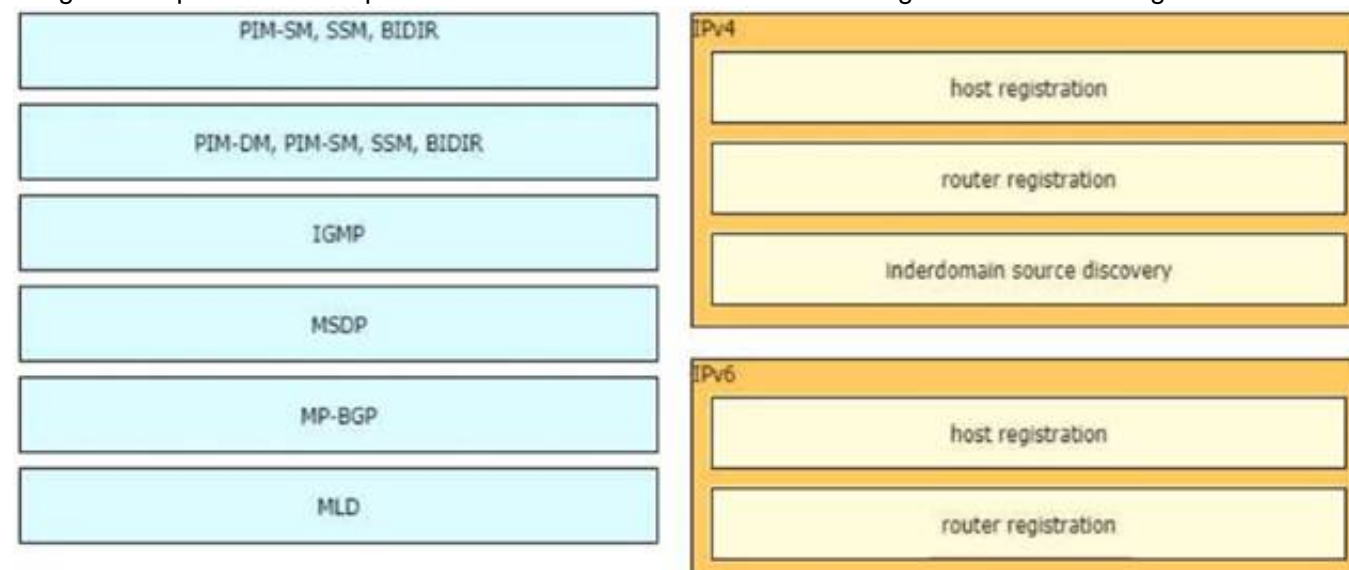
Answer: AC

NEW QUESTION 329
An existing wireless network was designed to support data traffic only. You must now install context Aware services for location tracking changes must be applied to the existing wireless network to increase the location accuracy? (Chose two)

A. Add access points along the perimeter of the coverage area.
B. Increase the access point density to create an average inter-access point distance of less than 40 feet or 12.2 meters
C. Use directional antennas to provide more cell overlapping
D. Install additional access points in monitor mode where the co-channel interference would otherwise be affected
E. Fine tune the radio configuration of the access point to have a higher average transmission power to achieve better coverage

Answer: BE

NEW QUESTION 330
Drag and drop the multicast protocols from the left onto the current design situation on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
A picture containing table Description automatically generated

NEW QUESTION 335
What advantage of placing the IS-IS layer 2 flooding domain boundary at the core Layer in a three-layer hierarchical network is true?

A. The Layer 1 and Layer 2 domains can easily overlap
B. It reduces the complexity of the Layer 1 domains
C. It can be applied to any kind of topology
D. The Layer 2 domain is contained and more stable

Answer: D

NEW QUESTION 337
Your company wants to deploy a new data center infrastructure Based on the requirements you have chosen VXLAN as encapsulation technology The customer is concerned about miss-configuration of Layer 2 devices and DC wide outages caused by Layer 2 loops What do you answer?

A. VXLAN offers native loop avoidance mechanism

B. Storm Control should be enabled on all ports
C. VPC+ could prevent L2 loop on access ports
D. BPDU Guard should be enabled on all VTEP access ports

Answer: D

NEW QUESTION 342
Company XYZ has a new network based on IPv6. Some of the subnets that they are planning to use will be confidential and need an addressing scheme that confines them to the local campus network. Which type of IPv6 addresses can be used for these networks in the IPv6 addressing design?

A. local addresses
B. private addresses
C. link-local addresses
D. unique local addresses

Answer: D

NEW QUESTION 345
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?

A. authentication VLAN
B. user VLAN
C. untrusted VLAN
D. management VLAN

Answer: D

NEW QUESTION 348
A banking customer determines that it is operating POS and POI terminals that are noncompliant with PCI DSS requirements, as it is running TLSv1.0. The customer plans to migrate the terminals to TLSv1.2. What are two requirements to complete the migration? (Choose two.)

A. Ensure that strong cryptography is applied for users who have administrative access through networks
B. Apply strong cryptography and security protocols to safeguard sensitive cardholder data.
C. Apply strong encryption for transmission of cardholder data across public networks.
D. Protect all user systems against malware and frequently update antivirus software
E. Maintain a policy that addresses information security for employees and third parties.
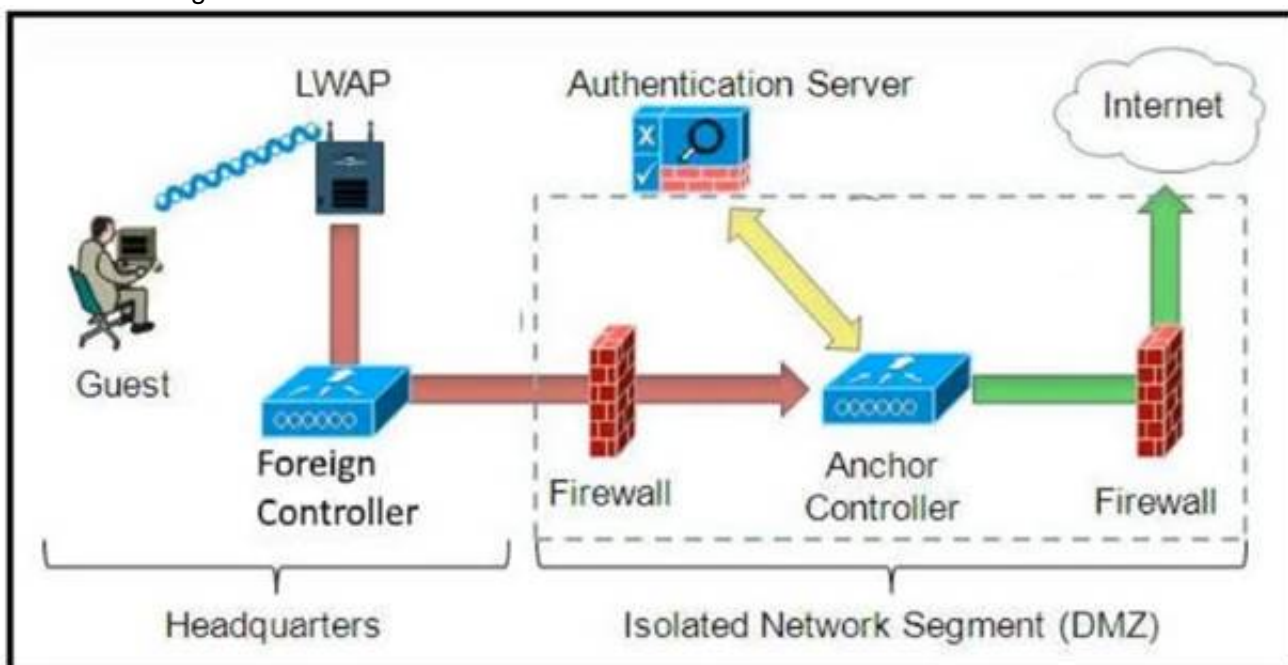
Answer: CE

NEW QUESTION 353
Which mechanism enables small, unmanaged switches to plug into ports of access switches without risking switch loops?

A. PortFast
B. UDLD
C. Root guard
D. BPDU guard

Answer: D

NEW QUESTION 358
Refer to the diagram.

Which solution must be used to send traffic from the foreign wireless LAN controller to the anchor wireless LAN controller?

A. Send packets from the foreign controller to the anchor controller via Layer 3 MPLS VPN or VRF-Lite
B. Send packets without encapsulation to the anchor controller over the routed network.
C. Encapsulate packets into an EoIP tunnel and send them to the anchor controller.
D. Send packets from the foreign controller to the anchor controller via IPinIP or IPsec tunnel.

Answer: C

NEW QUESTION 360
Which two actions must merchants do to be compliant with the Payment Card Industry Data Security Standard? (Choose two.)

A. conduct risk analyses
B. install firewalls
C. use antivirus software
D. establish monitoring policies
E. establish risk management policies

Answer: BC

NEW QUESTION 363
An enterprise wants to provide low-cost delivery of network systems that can be scaled on business demand, followed by an initiative to reduce capital expenses for new IT equipment. Which technology meets these goals'?

A. IaaS within a private cloud
B. IaaS within an on-premises location
C. PaaS within a public cloud
D. SaaS within an on-premises location

Answer: C

NEW QUESTION 364
Identity and access management between multiple users and multiple applications has become a mandatory requirement for Company XYZ to fight against ever increasing cybersecurity threats. To achieve this, federated identity services have been deployed in the Company XYZ network to provide single sign-on and Multi-Factor Authentication for the applications and services. Which protocol can be used by Company XYZ to provide authentication and authorization services?

A. OAuth2
B. OpenID Connect
C. OpenID
D. SAML2.0

Answer: D

NEW QUESTION 369
Company XYZ is in the process of identifying which transport mechanism(s) to use as their WAN technology. Their main two requirements are.
• a technology that could offer DPI, SLA, secure tunnels, privacy, QoS, scalability, reliability, and ease of management
• a technology that is cost-effective
Which WAN technology(ies) should be included in the design of company XYZ?

A. Software-defined WAN should be the preferred choice because it complements both technologies, covers all the required features, and it is the most cost-effective solution.
B. Internet should be the preferred option because it is cost effective and supports BFD, IP SL
C. and IPsec for secure transport over the public Internet.
D. Both technologies should be use
E. Each should be used to back up the other one; where the primary links are MPLS, the internet should be used as a backup link with IPsec (and vice versa).
F. MPLS meets all these requirements and it is more reliable than using the Interne
G. It is widely used with defined best practices and an industry standard.

Answer: A

NEW QUESTION 372
Refer to the exhibit.
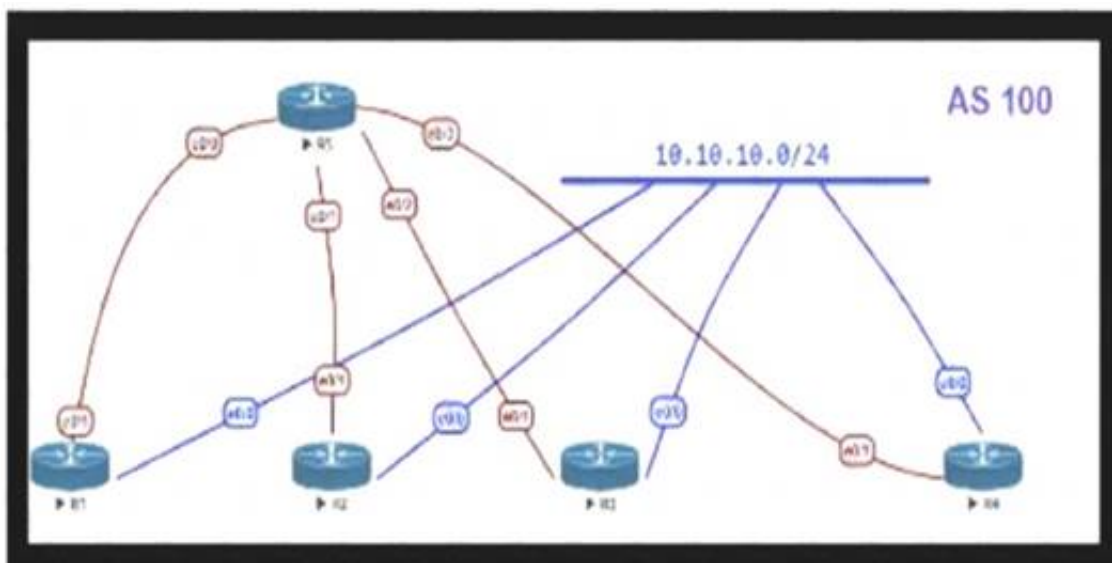
OSPF is running as the IGP to provide reachability to all AS100 networks R3 and R4 are the current ABRs at the boundary of OSPF Area0 and Areal Now BGP must be deployed within AS 100 because it will be receiving Internet routes from its eBGP peers (the service provider) connected to R1 and R2 What is an optimal solution for this deployment to configure BGP relationships and redistribute BGP learned routes into OSPF?

A. R5 should be configured as a route reflector for R1, R2, R3 and R4. BGP routes must be redistributed at R1 and R2 into OSPF.
B. Configuration should be set up with R1 and R2, and R3 in one sub AS, with and R4 in another, and redistribution at R1 and R2.

C. A full mesh should be deployed between all the routers with mutual redistribution to take place at R1 and R2.
D. R1, R2, R3 and R4 must be set up with a neighbor relationship with R5 only must not be a route reflector.

Answer: C

NEW QUESTION 376
Company XYZ is redesigning their QoS policy. Some of the applications used by the company are real-time applications. The QoS design must give these applications preference in terms of transmission. Which QoS strategy can be used to fulfill the requirement?

A. weighted fair queuing
B. weighted random early detection
C. low-latency queuing
D. first-in first-out

Answer: C

NEW QUESTION 378
An MPLS service provider is offering a standard EoMPLS-based VPLS service to Customer A. providing Layer 2 connectivity between a central site and approximately 100 remote sites. Customer A wants to use the VPLS network to carry its internal multicast video feeds which are sourced at the central site and consist of 20 groups at Mbps each. Which service provider recommendation offers the most scalability?

A. EoMPLS-based VPLS can carry multicast traffic in a scalable manner
B. Use a mesh of GRE tunnels to carry the streams between sites
C. Enable snooping mechanisms on the provider PE routers.
D. Replace VPLS with a Layer 3 MVPN solution to carry the streams between sites

Answer: D

NEW QUESTION 381
Which feature must be part of the network design to wait a predetermined amount of time before notifying the routing protocol of a change in the path in the network?

A. Transmit delay
B. Throttle timer
C. SPF hold time
D. Interface dampening

Answer: B

NEW QUESTION 383
What best describes the difference between Automation and Orchestration?

A. Automation refers to an automatic process for completing a single task and Orchestration refers to assembling and coordinating a set of tasks and conditions.
B. Automation describes a hands-off configuration process while Orchestration refers to sets of automation tasks that require the network administrator to coordinate
C. Automation refers to an automatic process for completing multiple tasks with conditions and Orchestration refers to executing tasks in parallel.
D. Automation refers to scripting languages (Pytho
E. Ansible etc.) and Orchestration refers to commercial products that control configuration deployment

Answer: A


NEW QUESTION 387
The controller has a global view of the network, and it can easily ensure that the network is in a consistent and optimal configuration. Which two statements describe a centralized SDN control path? (Choose two.)

A. Scaling of the centralized controller cluster is challenging for services like DHCP and load-balancing.
B. It is highly-available by design with no single-point-of-failure risks present.
C. Integrating smart NIC capabilities on the local host level is made easier through rest APIs.
D. It significantly improves the latency when performing reactive handling of PACKET_IN events.
E. It centralized controller can support all southbound APIs, which allows for easy integration with legacy equipment.

Answer: AE

NEW QUESTION 389
Refer to the exhibit.
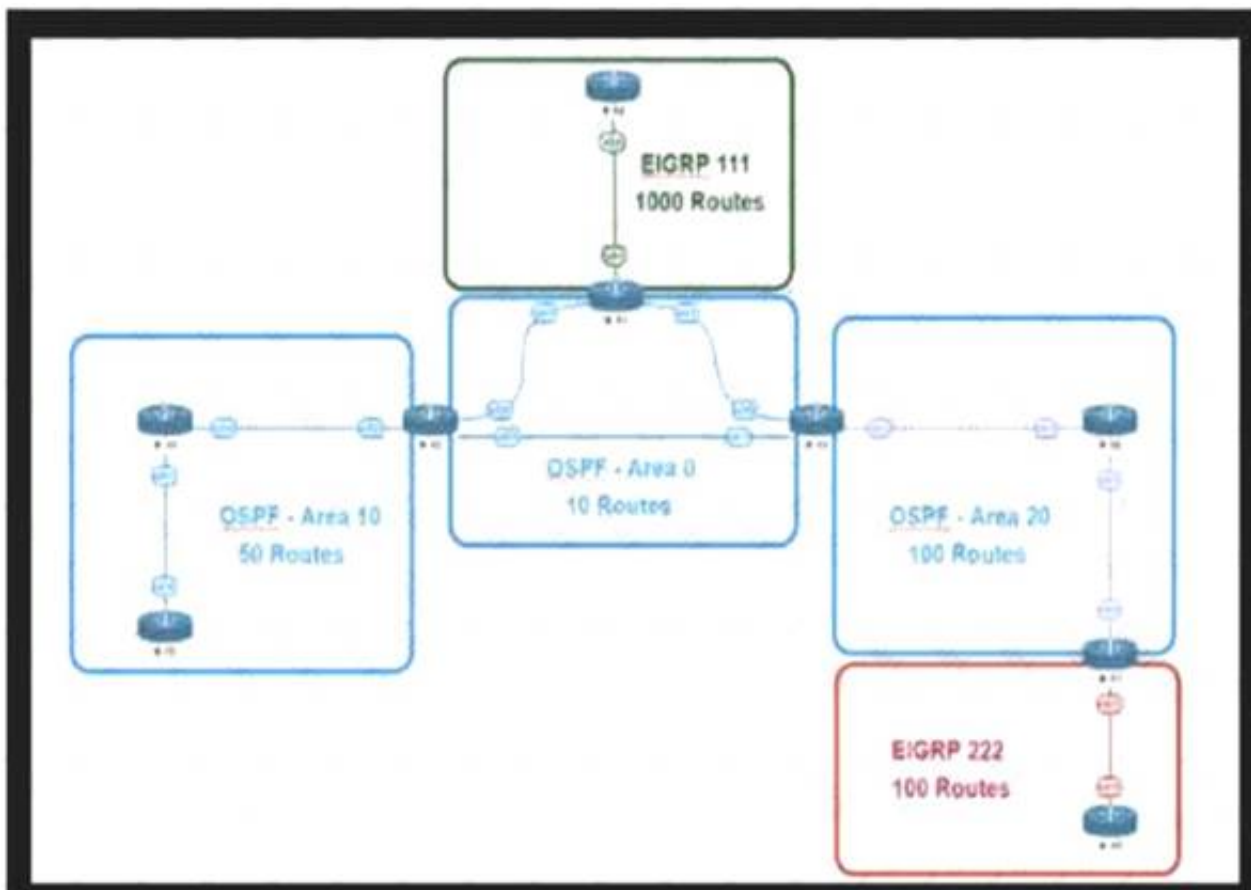
This network is running OSPF and EIGRP as the routing protocols Mutual redistribution of the routing protocols has been contoured on the appropriate ASBRs The OSPF network must be designed so that flapping routes m EIGRP domains do not affect the SPF runs within OSPF The design solution must not affect the way EIGRP routes are propagated into the EIGRP domains Which technique accomplishes the requirement?

A. route summarization the ASBR interfaces facing the OSPF domain
B. route summarization on the appropriate ASBRS.
C. route summarization on the appropriate ABRS.
D. route summarization on EIDRP routers connecting toward the ASBR

Answer: B

NEW QUESTION 394
Company XYZ is running OSPF in their network. They have merged with another company that is running EIGRP as the routing protocol. Company XYZ now needs the two domains to talk to each other with redundancy, while maintaining a loop free environment. The solution must scale when new networks are added into the network in the near future. Which technology can be used to meet these requirements?

A. multipoint route-redistribution with route filtering using ACLs
B. DUMP multipoint route-redistribution with route filtering using route tags
C. DUMPS single point route-redistribution with route filtering using route tags
D. DUMPS single point route-redistribution with route filtering using ACLs

Answer: B

NEW QUESTION 397
The Company XYZ network requires OSPF dead neighbor detection in a subsecond manner However the company network does not support BFD Which other feature can be used to fulfill the design requirement?

A. STP
B. fast hello
C. LFA
D. DPD

Answer: B

NEW QUESTION 402
How can EIGRP topologies be designed to converge as fast as possible in the event of a point-to-point link failure?

A. Limit the query domain by use of distribute lists.
B. Build neighbor adjacencies in a triangulated fashion.
C. Build neighbor adjacencies in squared fashion.
D. Limit the query domain by use of summarization.
E. Limit the query domain by use of default routes.

Answer: D

NEW QUESTION 405
Which development model is closely associated with traditional project management?

A. static model
B. Agile model
C. evolutionary delivery model
D. lifecycle model

Answer: D

NEW QUESTION 409
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. rapid on-demand growth
B. dynamic real-time change
C. falling back to old behaviors
D. peer-to-peer controller infrastructure
E. integration of device context

Answer: BE

NEW QUESTION 412
A network security team uses a purpose-built tool to actively monitor the campus network, applications, and user activity. The team also analyzes enterprise telemetry data from IPFIX data records that are received from devices in the campus network. Which action can be taken based on the augmented data?

A. reduction in time to detect and respond to threats
B. integration with an incident response plan
C. adoption and improvement of threat-detection response
D. asset identification and grouping decisions

Answer: A

NEW QUESTION 415
Which network management framework can be used to develop a network architecture that contains business requirements analysis, gap analysis, and network diagrams as artifacts to be used for design and implementation later?

A. TOG
B. ITIL
C. FCAPS
D. Cobit

Answer: A

NEW QUESTION 417
The General Bank of Greece plans to upgrade its legacy end-of-life WAN network with a new flexible, manageable, and scalable solution. The mam requirements are ZTP support, end-to-end encryption application awareness and segmentation. The CTO states that the main goal of the bank is CAPEX reduction. Which WAN technology should be used for the solution?

A. SD-branch
B. DMVPN with PfR
C. managed SD-WAN
D. SD-WAN

Answer: C

NEW QUESTION 418
Which undesired effect of increasing the jitter compensation buffer is true?

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

Answer: C

NEW QUESTION 423
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