Cisco

Exam Questions 400-007

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

About Exambible

Your Partner of IT Exam

Found in 1998

Exambible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, Exambible has its unique advantages that other companies could not achieve.

Our Advances

* 99.9% Uptime

    All examinations will be up to date.

* 24/7 Quality Support

    We will provide service round the clock.

* 100% Pass Rate

    Our guarantee that you will pass the exam.

* Unique Gurantee

    If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

NEW QUESTION 1
An enterprise network has two core routers that connect to 200 distribution routers and uses fullmesh
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
Company XYZ is designing the network for IPv6 security and they have these design
requirements:
- A switch or router must deny access to traffic from sources with addresses that are correct, but
are topologically incorrect
- Devices must block Neighbor Discovery Protocol resolution for destination addresses that are
not found in the binding table.
Which two IPv4 security features are recommended for this company? (Choose two)

A. IPv6 DHCP Guard
B. IPv6 Source Guard
C. IPv6 Destination Guard
D. IPv6 Prefix Guard
E. IPv6 RA Guard

Answer: CD

NEW QUESTION 3
Which two impacts of adding the IP event dampening feature to a network design are true?
(Choose two.)

A. It protects against routing loops.
B. It switches traffic immediately after a link failure.
C. It speeds up link failure detection.
D. It reduces the utilization of system processing resources.
E. It improves overall network stability.

Answer: DE

NEW QUESTION 4
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. STP
B. fate sharing
C. OSPF LFA
D. BFD
E. flex links

Answer: D

NEW QUESTION 5
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: C

NEW QUESTION 6
An enterprise requires MPLS connected branches to access cloud-based Microsoft 365 services over an SD-WAN solution. Internet access Is available only at
dual regional hub sites that are connected to the MPLS network.
Which connectivity method provides an optimum access method to the cloud- based services If one ISP suffers loss or latency?

A. Cloud onRamp gateway site
B. Cloud onRamp SWG
C. Cloud onRamp
D. Cloud onRamp SaaS

Answer: D

NEW QUESTION 7
Refer to the diagram. Which solution must be used to send traffic from the foreign wireless LAN controller to the anchor wireless LAN controller?
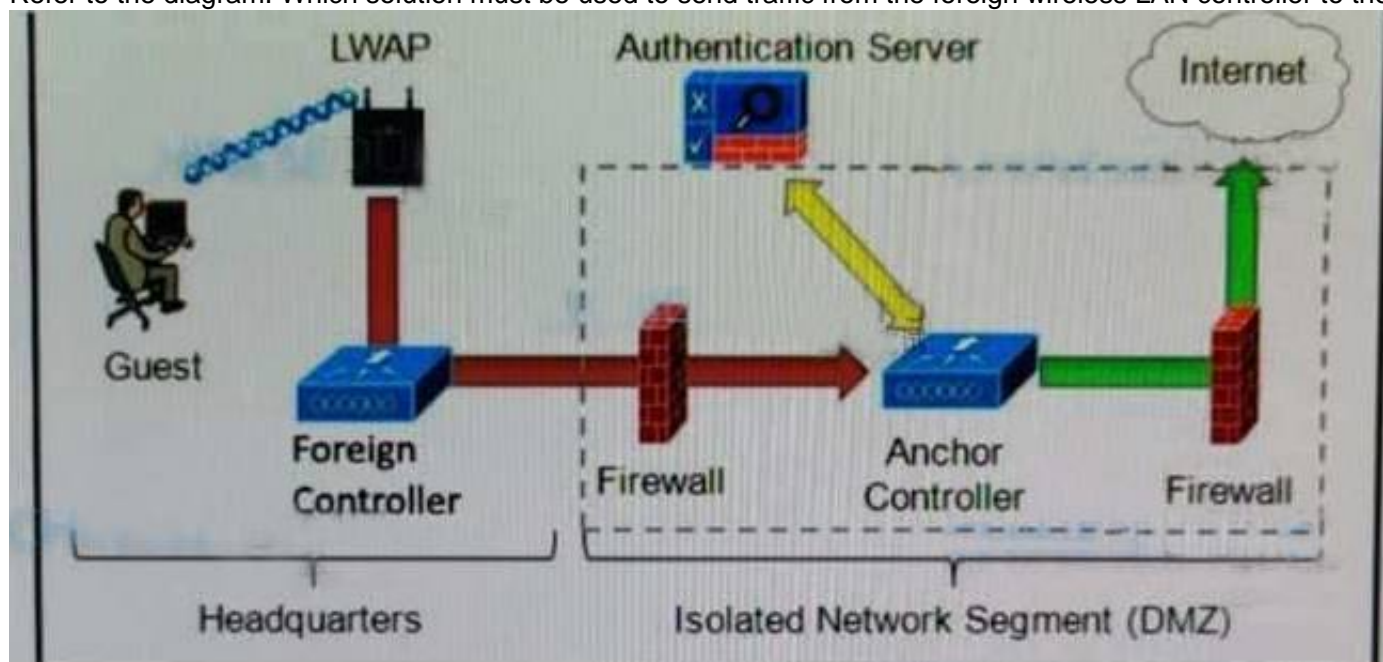
A. Send packets from the foreign controller to the anchor controller via Layer 3 MPLS VPN or VRFLite
B. Send packets without encapsulation to the anchor controller over the routed network.
C. Encapsulate packets into an EoIP tunnel and send them to the anchor controller.
D. Send packets from the foreign controller to the anchor controller via IPinIP or IPsec tunnel.

Answer: C

NEW QUESTION 8
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 9
An architect receives a business requirement from a CTO that states the RTO and RPO for a new system should be as close as possible to zero.
Which replication method and data center technology should be used?

A. asynchronous replication over dual data centers via DWDM
B. synchronous replication over geographically dispersed dual data centers via MPLS
C. synchronous replication over dual data centers via Metro Ethernet
D. asynchronous replication over geographically dispersed dual data centers via CWDM

Answer: C

NEW QUESTION 10
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 terminationhardware
C. categorization of systems, data, and enterprise BYOD assets that are connected to networkzones based on individual privacy needs
D. ensuring that authorized users have high-availability system access from defined zones todefined systems or zones

Answer: A

NEW QUESTION 10
Which two statements describe the usage of the IS-IS overload bit technique? (Choose two)

A. If overload-bit is set on a Level 2 intermediate system, the other Level 2 intermediate systems inthe topology will stop using the overloaded IS to forward Level 2 traffic However, the intermediatesystem can still forward Level 1 traffic
B. It can be set in intermediate systems (IS-IS routers) to prioritize control plane CSNP packets.
C. It can be used to automatically synchronize the link-state database between Level 1 intermediatesystems
D. It can be set in intermediate systems (IS-IS routers) to avoid traffic black holes until routingprotocols are fully converged after a reload operation.
E. It can be set in intermediate systems (IS-IS routers) to attract transit traffic from otherintermediate systems

Answer: AD

NEW QUESTION 12
Refer to the exhibit. Your company designed a network to allow server VLANs to span all access switches in a data center.
In the design, Layer 3 VLAN interfaces and HSRP are configured on the aggregation switches.
Which two features improve STP stability within the network design? (Choose two.)
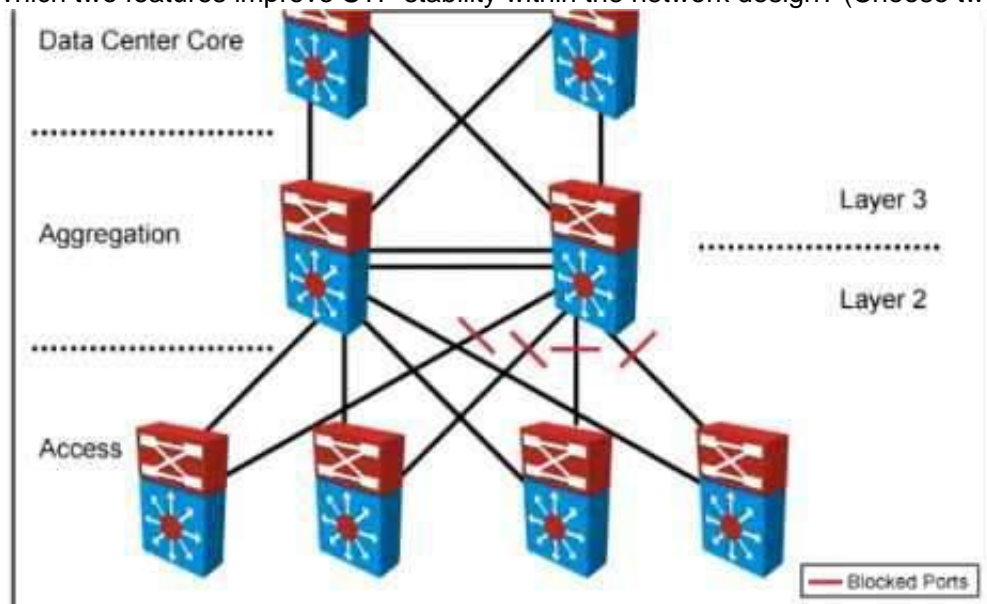
A. BPDU guard on access ports
B. BPDU guard on the aggregation switch downlinks toward access switches
C. root guard on the aggregation switch downlinks toward access switches
D. root guard on access ports
E. edge port on access ports
F. access switch pairs explicitly determined to be root and backup root bridges

Answer: AE

NEW QUESTION 13
A service provider hires you to design its new managed CE offering to meet these requirements:
- The CEs cannot run a routing protocol with the PE
- Provide the ability for equal or unequal ingress load balancing in dual-homed CE scenarios.
- Provide support for IPv6 customer routes
- Scale up to 250.000 CE devices per customer.
- Provide low operational management to scale customer growth.
- Utilize low-end (inexpensive) routing platforms for CE functionality.
Which tunneling technology do you recommend?

A. FlexVPN
B. point-to-point GRE
C. DMVPN
D. LISP

Answer: D

NEW QUESTION 16
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 thetype 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 beingserialized
E. Serialization delay depends not only on the line rate of the interface but also on the size of thepacket

Answer: BD

NEW QUESTION 19
A senior network designer suggests that you should improve network convergence times by reducing BGP timers between your CE router and the PE router of the service provider.
Which two factors should you consider to adjust the timer values? (Choose two.)

A. service provider agreement to support tuned timers
B. manual updates to the peer groups
C. service provider scheduling of changes to the PE
D. number of routes on the CE router
E. number of VRFs on the PE router

Answer: AD

NEW QUESTION 22
You are designing a network running both IPv4 and IPv6 to deploy QoS.
Which consideration is correct about the QoS for IPv4 and IPv6?

A. IPv4 and IPv6 traffic types can use use queuing mechanisms such as LLQ, PQ and CQ.

B. IPv6 packet classification is only available with process switching, whereas IPv4 packetclassification is available with both process switching and CEF.
C. IPv6 and IB/4 traffic types can use a single QoS policy to match both protocols
D. Different congestion management mechanisms need to be used for IPv4 and IPv6 traffic types

Answer: C

NEW QUESTION 23
A Tier-3 Service Provider is evolving into a Tier-2 Service Provider due to the amount of Enterprise business it is receiving.
The network engineers are re-evaluating their IP/MPLS design considerations in order to support duplicate/overlapping IP addressing from their Enterprise customers within each Layer3 VPN.
Which concept would need to be reviewed to ensure stability in their network?

A. Assigning unique Route Distinguishers
B. Assigning unique Route Target ID'S
C. Assigning unique IP address space for the Enterprise NAT/Firewalls
D. Assigning unique VRF ID's to each L3VPN

Answer: A

NEW QUESTION 26
You are a network designer and you must ensure that the network you design is secure.
How do you plan to prevent infected devices on your network from sourcing random DDoS attacks using forged source address?

A. ACL based forwarding
B. unicast RPF loose mode
C. unicast RPF strict mode
D. ACL filtering by destination

Answer: C

NEW QUESTION 27
Refer to the exhibit. A new high availability DB sever cluster is installed in the network.
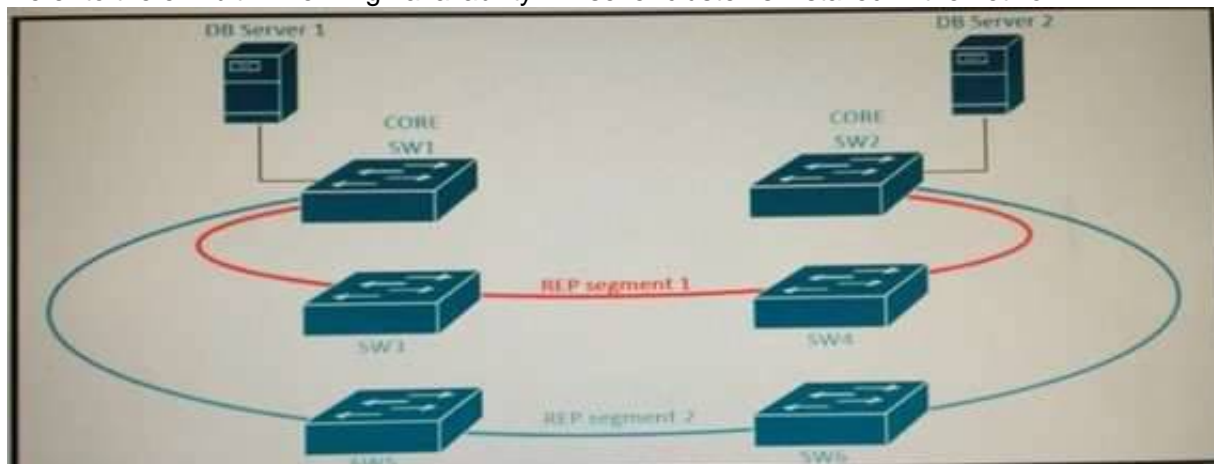
These two servers require high bandwidth and low latency Layer 2 connectivity for database replication.
Which solution supports these requirements?

A. Add two new links between SW1 and SW2 configured as LACP trunk with STP
B. Add secondary links to REP segments 1 and 2
C. Add two new links between SW1 and SW2 configured as REP segment 3
D. Add two new links between SW1 and SW2 configured as REP segments 1 and 2 respectively

Answer: C

NEW QUESTION 28
VPLS is implemented in a Layer 2 network with 2000 VLANs.
What is the primary concern to ensure successful deployment of VPLS?

A. Flooding is necessary to propagate MAC address reachability information
B. PE scalability
C. The underlying transport mechanism
D. VLAN scalability

Answer: B

NEW QUESTION 29
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 32
Which two descriptions of CWDM are true? (Choose two)

A. typically used over long distances, but requires optical amplification
B. uses the 850nm band
C. allows up to 32 optical earners to be multiplexed onto a single fiber
D. shares the same transmission window as DWDM
E. Passive CWDM devices require no electrical power

Answer: DE

NEW QUESTION 35
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.
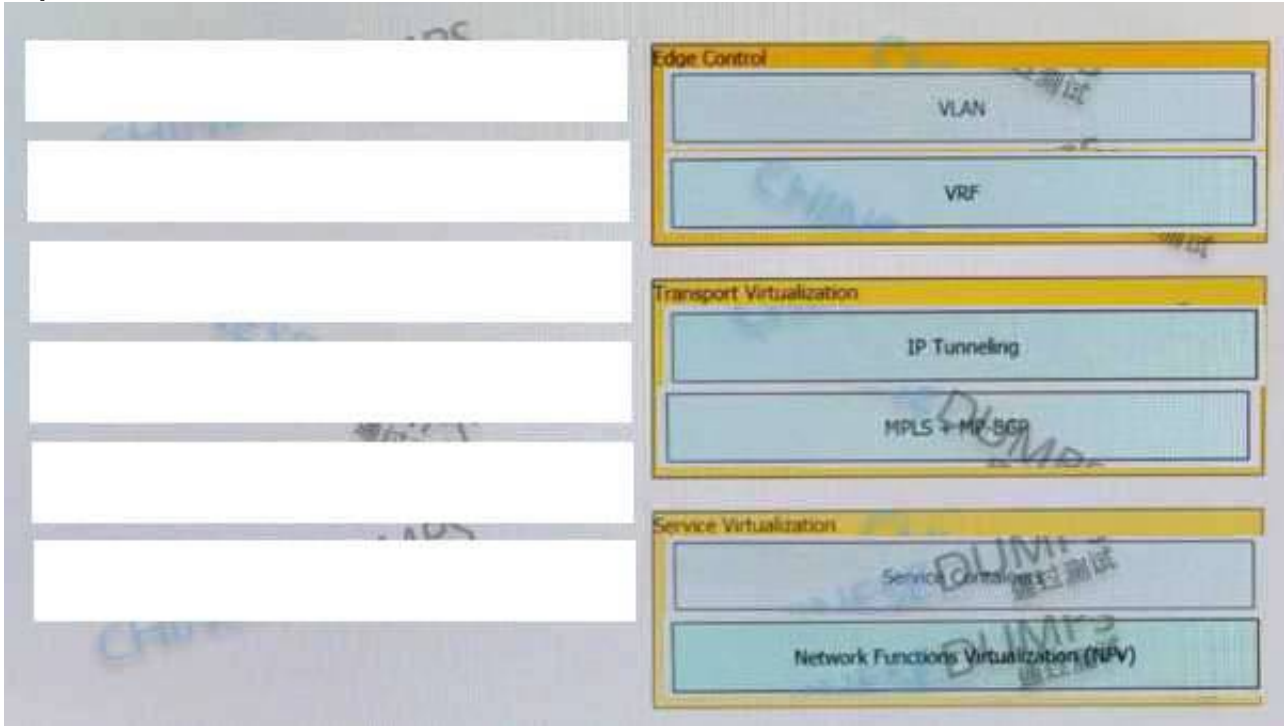
Answer: C

NEW QUESTION 37
Drag and Drop Question
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:

NEW QUESTION 40
......

Relate Links

100% Pass Your 400-007 Exam with Exambible Prep Materials

https://www.exambible.com/400-007-exam/

Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - https://www.exambible.com/