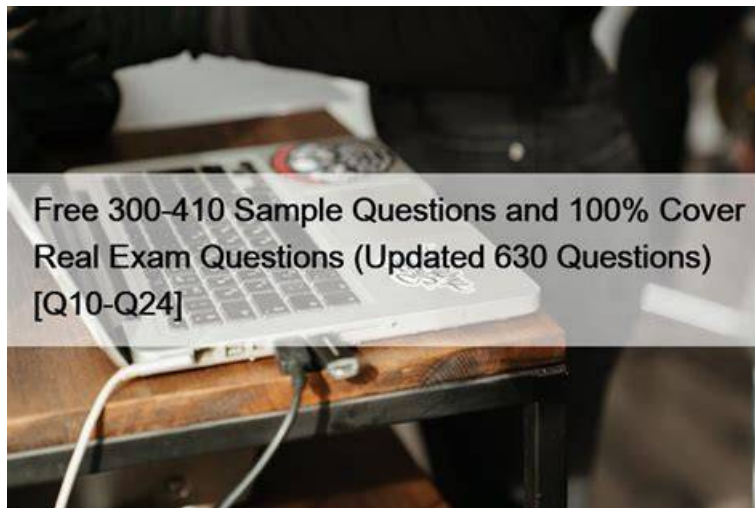


300-410 Valid Exam Guide & 300-410 Test Study Guide



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There are other countless advantages of the Implementing Cisco Enterprise Advanced Routing and Services 300-410 exam that you can avail of after passing the Implementing Cisco Enterprise Advanced Routing and Services exam. But keep in mind to pass the Implementing Cisco Enterprise Advanced Routing and Services 300-410 exam is a difficult job. You have to put in some extra effort, time, and investment then you will be confident to perform well in the final Implementing Cisco Enterprise Advanced Routing and Services exam. In this journey, you can get help from Implementing Cisco Enterprise Advanced Routing and Services 300-410 Dumps that will assist you in Implementing Cisco Enterprise Advanced Routing and Services exam preparation and prepare you to perform well in the final Implementing Cisco Enterprise Advanced Routing and Services exam.

Cisco 300-410 Exam Syllabus Topics:

Section	Weight	Objectives
Layer 3 Technologies	35%	- IS-IS (Intermediate System to Intermediate System) • 1. IS-IS metric types • 2. IS-IS network types • 3. IS-IS adjacency and timers • 4. IS-IS route Leaking - EBGp (External Border Gateway Protocol) • 1. BGP path manipulation • 2. BGP optimal path selection • 3. BGP route reflectors • 4. BGP communities - Redistribute Routes • 1. Prefix lists with redistribution • 2. Route redistribution between different routing protocols • 3. Cisco Discovery Protocol redistribution • 4. Route maps with redistribution - Address Families • 1. IPv6 address families • 2. IPv4 address families

Infrastructure Services	25%	- Device Management • 1. REST API basics • 2. NETCONF and YANG basics • 3. HTTP/HTTPS access • 4. Console and VTY access - Network Performance Management • 1. SPAN (Switched Port Analyzer) • 2. NetFlow concepts • 3. RSPAN (Remote SPAN) • 4. IP SLA (Service Level Agreement) - Troubleshooting Tools • 1. ping and traceroute • 2. debug commands • 3. ping and path analysis utilities • 4. log analysis - SNMP (Simple Network Management Protocol) • 1. SNMPv3 configuration • 2. SNMP trap and inform • 3. SNMPv2c configuration
Infrastructure Security	20%	- Control Plane Security • 1. Route authentication (RIP, OSPF, EIGRP, BGP) • 2. Management plane protection • 3. Control plane policing (CoPP) - ACL (Access Control List) • 1. Named ACLs • 2. Time-based ACLs • 3. Infrastructure protection ACLs • 4. Extended ACLs • 5. Standard ACLs - Device Security • 1. SSH access control • 2. Password management • 3. Cisco IOS privilege levels • 4. Console and VTY line security - AAA (Authentication, Authorization, Accounting) • 1. Server-based AAA (RADIUS/TACACS+) • 2. Local AAA authentication • 3. 802.1X fundamentals

VPN Services	20%	- IPsec • 1. Virtual Tunnel Interfaces (VTI) • 2. Site-to-site IPsec VPNs • 3. IPsec VPN fundamentals • 4. IPsec with GRE - MPLS (Multiprotocol Label Switching) • 1. MPLS L3 VPN concepts • 2. MPLS L3 VPN troubleshooting • 3. MPLS L3 VPN configuration - DMVPN (Dynamic Multipoint VPN) • 1. DMVPN phases • 2. mGRE (Multipoint Generic Routing Encapsulation) • 3. DMVPN spoke-to-spoke communication • 4. NHRP (Next Hop Resolution Protocol)
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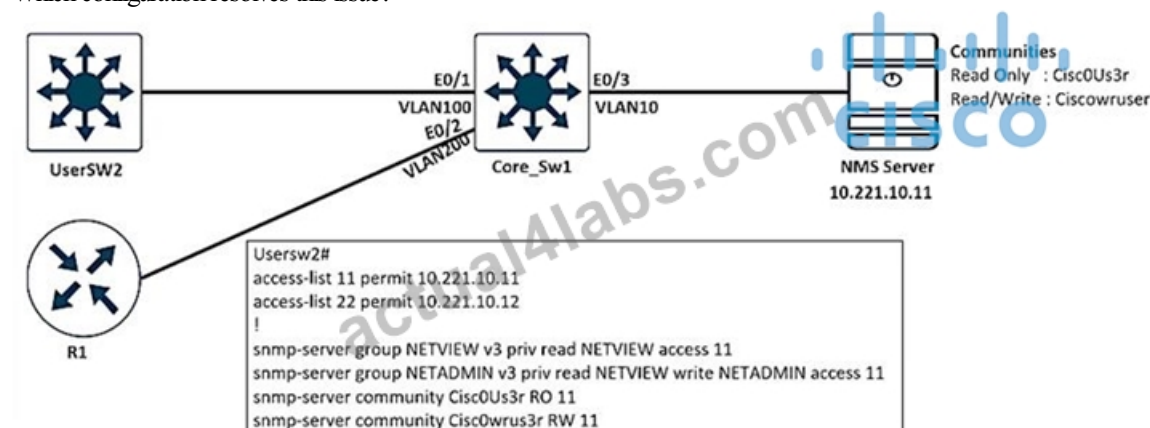
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Cisco Implementing Cisco Enterprise Advanced Routing and Services Sample Questions (Q168-Q173):

NEW QUESTION # 168

Refer to the exhibit. An engineer configured SNMP community on UserSW2 switch, but the SNMP server cannot upload modified configurations to the switch.

Which configuration resolves this issue?



- A. snmp-server group NETADMIN v3 priv read NETVIEW write NETADMIN access 22
- B. snmp-server group NETVIEW v2c priv read NETVIEW access 11
- C. snmp-server community Cisc0Us3r RW 11
- **D. snmp-server community Ciscowru3r RW 11**

Answer: D

NEW QUESTION # 169

Drag and Drop the IPv6 First-Hop Security features from the left onto the definitions on the right.

IPv6 DHCPv6 Guard	Block a malicious host and permit the router from a legitimate route.
IPv6 Binding Table	Block reply and advertisement messages from unauthorized DHCP servers and relay agents.
IPv6 Source Guard	Create a binding table that is based on NS and NA messages.
IPv6 RA Guard	Filter inbound traffic on Layer 2 switch ports that are not in the IPv6 binding table.
IPv6 ND Inspection	Create IPv6 neighbors connected to the device from information sources such as NDP snooping.

Answer:

Explanation:

IPv6 DHCPv6 Guard	IPv6 Source Guard
IPv6 Binding Table	IPv6 DHCPv6 Guard
IPv6 Source Guard	IPv6 ND Inspection
IPv6 RA Guard	IPv6 RA Guard
IPv6 ND Inspection	IPv6 Binding Table

NEW QUESTION # 170

An engineer must establish a connection between two CE routers for two customers with overlapping IP addresses. Customer_a is connected to interfaces Gig0/0, and Customer_b is connected to interfaces Gig0/1. Routers CE1 and CE2 are configured as follows:

```
ip vrf customer_a
rd 1:1
route-target both 1:1
!
ip vrf customer_b
rd 2:2
route-target both 2:2
```

Drag and drop the code snippets from the right onto the boxes in the configuration to establish the needed connection. Snippets may be used more than once.

```

CE1
interface Gig0/0
  ip vrf forwarding 
  ip address 
!
interface Gig0/1
  ip vrf forwarding 
  ip address 

CE2
interface Gig0/0
  ip vrf forwarding 
  ip address 
!
interface Gig0/1
  ip vrf forwarding 
  ip address 

```



customer_a

customer_b

192.168.1.1 255.255.255.0

192.168.1.2 255.255.255.0

Answer:

Explanation:

```

CE1
interface Gig0/0
  ip vrf forwarding customer_a
  ip address 192.168.1.1 255.255.255.0
!
interface Gig0/1
  ip vrf forwarding customer_b
  ip address 192.168.1.2 255.255.255.0

CE2
interface Gig0/0
  ip vrf forwarding customer_a
  ip address 192.168.1.1 255.255.255.0
!
interface Gig0/1
  ip vrf forwarding customer_b
  ip address 192.168.1.2 255.255.255.0

```



customer_a

customer_b

192.168.1.1 255.255.255.0

192.168.1.2 255.255.255.0

NEW QUESTION # 171

Which table is used to map the packets in an MPLS LSP that exit from the same interface, via the same next hop, and have the same queuing policies?

- A. CEF
- B. LDP
- C. RIB
- D. FEC

Answer: D

Explanation:

A forwarding equivalence class (FEC) is a term used in Multiprotocol Label Switching (MPLS) to describe a set of packets with similar or identical characteristics which may be forwarded the same way; that is, they may be bound to the same MPLS label.

NEW QUESTION # 172

Drag and drop the OSPF adjacency states from the left onto the correct descriptions on the right.

Init	Each router compares the DBD packets that were received from the other router.
2-way	Routers exchange information with other routers in the multiaccess network.
Down	The neighboring router requests the other routers to send missing entries.
Exchange	The network has already elected a DR and a backup BDR.
ExStart	The OSPF router ID of the receiving router was not contained in the hello message.
Loading	No hellos have been received from a neighbor router.

Answer:

Explanation:

Init	Exchange
2-way	2-way
Down	Loading
Exchange	ExStart
ExStart	Init
Loading	Down

Explanation



Table Description automatically generated

(Reference: http://www.cisco.com/en/US/tech/tk365/technologies_tech_note09186a0080093f0e.shtml)

NEW QUESTION # 173

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