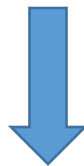


Cisco CCNP Certification 300-101 Exam



- Vendor: Cisco
- Exam Code: 300-101
- Exam Name: Implementing Cisco IP Routing (ROUTE)

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NEW QUESTION 423

Which two methods use IPsec to provide secure connectivity from the branch office to the headquarters office? (Choose two.)

- A. DMVPN
- B. MPLS VPN
- C. Virtual Tunnel Interface (VTI)
- D. SSL VPN
- E. PPPoE

Answer: AC

NEW QUESTION 424

Which two statements about Frame Relay Point-to-Point connections are true? (Choose two.)

- A. Changing a point-to-point sub interface to a different type requires the device to be reloaded.
- B. They use two DLCIs to communicate with multiple endpoints over the Frame Relay cloud.
- C. The device can establish a point-to-point connection to the cloud without a DLCI.
- D. They can operate normally without a DLCI map.
- E. Each physical interface that extends to the Frame Relay cloud can support a single SVC.

Answer: AB

NEW QUESTION 425

What is the international standard for transmitting data over a cable system?

- A. PPPoE
- B. DOCSIS
- C. CMTS
- D. AAL5

Answer: B

NEW QUESTION 426

Which interface type does a PPPoE client use to establish a session?

- A. Physical
- B. loopback
- C. visual-template
- D. dialer

Answer: D

Explanation:

<http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/bbdsf/configuration/xr-3s/bba-pppoe-client.html>

NEW QUESTION 427

The Cisco SA 500 Series Security Appliances are built specifically for businesses with less than 100 employees. What are three important benefits of this device? (Choose three.)

- A. business-grade firewall
- B. premium support via SMART net

- C. site-to-site VPN for remote offices
- D. Cisco IOS software-based
- E. email security
- F. XML support

Answer: ACE

NEW QUESTION 428

Which Cisco Express Forwarding component maintains Layer 2 addressing information?

- A. dCEF
- B. adjacency table.
- C. FIB
- D. fast switching
- E. RIB

Answer: B

Explanation:

Adjacency Tables Nodes in the network are said to be adjacent if they can reach each other with a single hop across a link layer. In addition to the FIB, CEF uses adjacency tables to prepend Layer 2 addressing information. The adjacency table maintains Layer 2 next-hop addresses for all FIB entries.

http://www.cisco.com/c/en/us/td/docs/ios/12_2/switch/configuration/guide/fswtch_c/xcfccef.html

NEW QUESTION 429

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NEW QUESTION 430

Which two debug commands can you use to view issues with CHAP and PAP authentication? (Choose two.)

- A. debug tacacs
- B. debug ppp authentication
- C. debug radius
- D. debug aaa authentication
- E. debug ppp negotiation

Answer: BE

Explanation:

<http://www.cisco.com/c/en/us/support/docs/wan/point-to-point-protocol-ppp/25647-understanding-ppp-chap.html>

NEW QUESTION 431

Which DSL encapsulation method requires client software running on the end-user PC that is directly connected to a DSL modem?

- A. PPPoA
- B. PPPoE
- C. PPP
- D. L2TP
- E. ATM

Answer: B

NEW QUESTION 432

By default, which type of IPv6 address is used to build the EUI-64 bit format?

- A. unique-local address
- B. IPv4-compatible IPv6 address
- C. link-local address
- D. aggregatable-local address

Answer: C

Explanation:

<https://howdoesinternetwork.com/2013/slaac-ipv6-stateless-address-autoconfiguration>

NEW QUESTION 433

For a GRE tunnel to be up between two routers, which of the following must be configured?

- A. Loopback Interface
- B. IP reachability between the loopback interfaces
- C. Dynamic Routing between routers
- D. Tunnel interfaces must be in the same subnet

Answer: D

NEW QUESTION 434

Which two statements about configuring Frame Relay point-to-multipoint connections are true? (Choose two.)

- A. They ignore the broadcast keyword in the frame-relay DLCI mapping.
- B. They require the same DLCI on each side of the link.
- C. Changing a point-to-multipoint subinterface to a different type requires the interface to be deleted and recreated.
- D. They require the frame-relay mapping command to be configured.
- E. They require inverse ARP.

Answer: DE

NEW QUESTION 435

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NEW QUESTION 463

Which two protocols can cause TCP starvation? (Choose two.)

- A. TFTP
- B. SNMP
- C. SMTP
- D. HTTPS
- E. FTP

Answer: AB

NEW QUESTION 464

Refer to the exhibit. How can you configure a second export destination for IP address

```
192.168.10.1?  
configure terminal  
ip flow-export destination 192.168.10.1 9991  
ip flow-export version 9
```

- A. specify a different TCP port
- B. specify a different UDP port
- C. specify a VRF
- D. configure a version 5 flow-export to the same destination
- E. specify a different flow ID

Answer: C

NEW QUESTION 465

Which value does Frame Relay use to identify a connection between a DTE and DCE?

- A. DLCI
- B. IP address
- C. MAC address
- D. VLAN ID

Answer: A

NEW QUESTION 466

Which two options are limitations of Stateful NAT64? (Choose two.)

- A. it is unable to route VRF traffic
- B. it is unable to route multicast traffic
- C. it supports FTP traffic only with an ALG
- D. it supports DNS64 only
- E. layer 4 supports TCP only

Answer: AB

NEW QUESTION 467

If you want to migrate an IS-IS network to another routing protocol with? (Choose two.)

- A. UDP
- B. Internal BGP
- C. TCP/IP
- D. EIGRP
- E. OSPF
- F. RIP

Answer: DE

NEW QUESTION 468

IP CEF load-sharing options? (Choose three.)

- A. Tunnel
- B. Universal

- C. Include-ports
- D. Source
- E. Destination

Answer: ABC

NEW QUESTION 469

What is the minimum privilege level to enter all commands in usermode?

- A. Level14
- B. Level0
- C. Level1
- D. Level15

Answer: C

NEW QUESTION 470

Which two statements about password-protecting device access are true? (Choose two)

- A. The more system:running-config command displays encrypted passwords in clear text.
- B. The service password-encryption command forces a remote device to encrypt the password.
- C. A network administrator can recover an encrypted password.
- D. The privilege level command controls the commands a specific user can execute.
- E. The password can be encrypted in the running configuration.

Answer: DE

NEW QUESTION 471

Frame Relay LMI autosense. Which statements are true? (Choose two.)

- A. Line should be up and protocol should be down.
- B. Protocol must be up.
- C. It only works on DTEs.
- D. It only works on DCEs.

Answer: AC

NEW QUESTION 472

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NEW QUESTION 536

Which three protocols support DMVPN? (Choose three.)

- A. EIGRP
- B. RIP2
- C. OSPF
- D. BGP
- E. ISIS

Answer: ABC

NEW QUESTION 537

When a packet is denied by an IPv6 traffic filter, which additional action does the device perform?

- A. It scans the rest of the ACL for a permit entry matching the destination.
- B. It generates a TCP Fin bit and sends it to the source.
- C. A creates a null route for the destination and adds it to the route table.
- D. It generates an ICMP unreachable message for the frame.

Answer: A

NEW QUESTION 538

Which two commands must you configure in the calling router to support the PPPoE client? (Choose two.)

- A. peer default ip address pool
- B. bba-group pppoe
- C. pppoe-client-dial-pool-number
- D. mtu
- E. pppoe enable group

Answer: CD

NEW QUESTION 539

What is the default maximum segment size for TCP traffic?

- A. 536
- B. 1492
- C. 1500
- D. 1508
- E. 3340
- F. 4096

Answer: A

NEW QUESTION 540

Which two statements about Frame Relay LMI autosense are true on a Router? (Choose two.)

- A. It requires the LMI type to be explicitly configured.
- B. It operates on Frame Relay DTE interfaces.
- C. It operates on Frame Relay DCE interfaces.
- D. It operates when the line is up by the line protocol is down.
- E. It requires the line protocol to be up.

Answer: BD

Explanation:

https://www.cisco.com/c/en/us/td/docs/ios/12_2/wan/configuration/guide/fwan_c/wcffrely.html

NEW QUESTION 541

Which Cisco Express Forwarding table or tables hold forwarding information?

- A. FIB table only

- B. Adjacency tables only
- C. FIB and adjacency tables only
- D. FIB, RIB, and adjacency tables

Answer: B

Explanation:

Cisco Express Forwarding uses adjacency tables to prepend Layer 2 addressing information to packets.

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipswitch_cef/configuration/15-mt/isw-cef-15-mt-book/isw-cef-overview.html

NEW QUESTION 542

Refer to exhibit. If the IGP in AS65000 is RIPv2, which networks are displayed when you enter show ip route on router R2?

.....

- A. VLSM subnets in 10.0.0.0/16 and the major network 10.2.0.0/16 only
- B. VLSM subnets in 10.0.0.0/16 and the major network 10.2.0.0/16 only
- C. VLSM subnets in 10.0.0.0/16 only
- D. Major networks 10.1.0.0/16 and 10.2.0.0/16 only
- E. VLSM subnets in 10.0.0.0/16 and the major networks 10.1.0.0/16 10.2.0.0/16

Answer: D

NEW QUESTION 543

Which three statements about IPv6 EIGRP are true? (Choose three.)

- A. EIGRP neighbor relationships are formed using the link-local address.
- B. EIGRP neighbor relationships can be formed only on the configured IPv6 address.
- C. It supports EUI-64 addresses only.
- D. EIGRP route advertisement is configured under the interface configuration.
- E. An IPv6 EIGRP router ID is required.
- F. EIGRP route advertisement is configured under the ipv6 router eigrp configuration.

Answer: ADE

NEW QUESTION 544

Which two technologies can encapsulate an IPv6 payload in an IPv4 packet for transmission across a network? (Choose two.)

- A. L2TPv3
- B. Trunking
- C. AToM
- D. ISATAP
- E. NAT-PT

Answer: DE

NEW QUESTION 545

Which two statements about OSPF E1 routes are true? (Choose two.)

- A. They are preferred over interarea routes.

- B. They use the OSPF cost from redistribution and the OSPF cost to the ASBR.
- C. They are preferred over E2 routes.
- D. They use only the OSPF cost to the ASBR.
- E. They use only the OSPF cost from redistribution.

Answer: BC

Explanation:

<http://blog.ine.com/2011/04/04/understanding-ospf-external-route-path-selection/>

NEW QUESTION 546

Which command do you enter to filter only routing updates that are sent through interface GigabitEthernet0/0?

- A. R1(config-if)#passive-interface GigabitEthernet0/0.
- B. R1(config-router)#no passive-interface GigabitEthernet0/0
- C. R1(config-router)#passive-interface GigabitEthernet0/0
- D. R1(config-router)#passive-interface default
- E. R1(config-if)#passive-interface default
- F. R1(config-router)#distribute-list 1 GigabitEthernet0/0 out

Answer: C

NEW QUESTION 547

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NEW QUESTION 555

Drag and Drop

Drag and drop the methods supported by the aaa authorization command from the left onto the correct descriptions on the right.

.....

NEW QUESTION 556

Drag and Drop

Drag and drop the ACL types from the left onto the correct description on the right.

.....

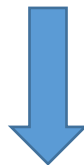
NEW QUESTION 557

Drag and Drop

Drag and Drop the Frame Relay LMI extensions from the left onto the correct descriptions on the right.

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