

- **Vendor: Cisco**
- **Exam Code: 200-301**
- **Exam Name: Cisco Certified Network Associate**
- **Part of New Questions from [PassLeader](#) (Updated in [July/2022](#))**

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NEW QUESTION 751

Which RFC was created to alleviate the depletion of IPv4 public addresses?

- A. RFC 4193
- B. RFC 1519
- C. RFC 1518
- D. RFC 1918

Answer: D

NEW QUESTION 752 798

What is the default lease time for a DHCP binding?

- A. 24 hours
- B. 12 hours
- C. 48 hours
- D. 36 hours

Answer: A

Explanation:

By default, each IP address assigned by a DHCP Server comes with a one-day lease, which is the amount of time that the address is valid.

<https://studylib.net/doc/11479142/configuring-dhcp> (P1C-68 ~~ page 6)

NEW QUESTION 753

Which NAT type is used to translate a single inside address to a single outside address?

- A. dynamic NAT
- B. NAT overload
- C. PAT
- D. static NAT

Answer: D

Explanation:

Network address translation (NAT) is the process of modifying IP address information in IP packet headers while in transit across a traffic routing device. There are two different types of NAT: NAT and PAT.

<https://networkinterview.com/what-is-nat/>

NEW QUESTION 754

Which statement about the inside interface configuration in a NAT deployment is true?

- A. It is defined globally.
- B. It identifies the location of source addresses for outgoing packets to be translated using access or route maps.
- C. It must be configured if static NAT is used.
- D. It identifies the public IP address that traffic will use to reach the internet.

Answer: B

Explanation:

NAT enables private IP internetworks that use nonregistered IP addresses to connect to the Internet. NAT operates on a device, usually connecting two networks, and translates the private (not globally unique) addresses in the internal network into legal addresses before packets are forwarded onto another network. NAT can be configured to advertise to the outside world only one address for the entire network. This ability provides additional security by effectively hiding the entire internal network behind that one address. NAT is also used at the enterprise edge to allow internal users access to the Internet and to allow Internet access to internal devices such as mail servers.

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipaddr_nat/configuration/15-s/nat-15-s-book/iadnat-addr-consv.pdf

NEW QUESTION 755

Which two technology supports the stateless assignment of IPv6 addresses? (Choose two.)

- A. DNS
- B. DHCPv6
- C. DHCP
- D. Autoconfiguration

Answer: BD

NEW QUESTION 756

Which statement about slow inter VLAN forwarding is true?

- A. The VLAN is experiencing slowness in the point-to-point collisionless connection.
- B. The VLANs are experiencing slowness because multiple devices are connected to the same hub.
- C. The local VLAN is working normally, but traffic to the alternate VLAN is forwarded slower than expected.
- D. The entire VLAN is experiencing slowness.
- E. The VLANs are experiencing slowness due to a duplex mismatch.

Answer: E

NEW QUESTION 757

Which version of SNMP first allowed user-based access?

- A. SNMPv3 with RBAC
- B. SNMPv3
- C. SNMPv1
- D. SNMPv2

Answer: B

NEW QUESTION 758

Which three statements about link-state routing are true? (Choose three.)

- A. Routes are updated when a change in topology occurs.
- B. Updates are sent to a multicast address by default.
- C. OSPF is a link-state protocol.
- D. Updates are sent to a broadcast address.
- E. RIP is a link-state protocol.
- F. It uses split horizon.

Answer: ABC

NEW QUESTION 759

Which two statements about IPv6 router advertisement messages are true? (Choose two.)

- A. They use ICMPv6 type 134.
- B. The advertised prefix length must be 64 bits.
- C. The advertised prefix length must be 48 bits.
- D. They are sourced from the configured IPv6 interface address.
- E. Their destination is always the link-local address of the neighboring node.

Answer: AB

NEW QUESTION 760

Which two features can dynamically assign IPv6 addresses? (Choose two.)

- A. IPv6 stateless autoconfiguration.
- B. DHCP.
- C. NHRP.
- D. IPv6 stateful autoconfiguration.
- E. ISATAP tunneling.

Answer: AD

NEW QUESTION 761

What is the danger of the permit any entry in a NAT access list?

- A. It can lead to overloaded resources on the router.
- B. It can cause too many addresses to be assigned to the same interface.
- C. It can disable the overload command.
- D. It prevents the correct translation of IP addresses on the inside network.

Answer: A

NEW QUESTION 762

Which technology can enable multiple VLANs to communicate with one another?

- A. inter-VLAN routing using a Layer 3 switch
- B. inter-VLAN routing using a Layer 2 switch
- C. intra-VLAN routing using router on a stick
- D. intra-VLAN routing using a Layer 3 switch

Answer: A

NEW QUESTION 763

Which technology allows a large number of private IP addresses to be represented by a smaller number of public IP addresses?

- A. NAT
- B. NTP
- C. RFC 1631
- D. RFC 1918

Answer: A

NEW QUESTION 764

If a router has four interfaces and each interface is connected to four switches, how many broadcast domains are present on the router?

- A. 1
- B. 2
- C. 4
- D. 8

Answer: C

NEW QUESTION 765

In which situation would the use of a static route be appropriate?

- A. To configure a route to the first Layer 3 device on the network segment.
- B. To configure a route from an ISP router into a corporate network.
- C. To configure a route when the administrative distance of the current routing protocol is too low.
- D. To reach a network is more than 15 hops away.
- E. To provide access to the Internet for enterprise hosts.

Answer: B

NEW QUESTION 766

What are two characteristics of SSH? (Choose two.)

- A. most common remote-access method
- B. unsecured
- C. encrypted
- D. uses port 22
- E. operates at the transport layer

Answer: CD

NEW QUESTION 767

Which three features are added in SNMPv3 over SNMPv2?

- A. Message Integrity
- B. Compression
- C. Authentication
- D. Encryption
- E. Error Detection

Answer: ACD

NEW QUESTION 768

What is the alert message generated by SNMP agents called?

- A. TRAP
- B. INFORM
- C. GET
- D. SET

Answer: AB

Explanation:

A TRAP is a SNMP message sent from one application to another (which is typically on a remote host). Their purpose is merely to notify the other application that something has happened, has been noticed, etc. The big problem with TRAPs is that they're unacknowledged so you don't actually know if the remote application received your oh-so-important message to it. SNMPv2 PDUs fixed this by introducing the notion of an INFORM, which is nothing more than an acknowledged TRAP. <http://www.net-snmp.org/tutorial/tutorial-5/commands/snmptrap-v3.html>

NEW QUESTION 769

What OSPF command, when configured, will include all interfaces into area 0?

- A. network 0.0.0.0 255.255.255.255 area 0
- B. network 0.0.0.0 0.0.0.0 area 0
- C. network 255.255.255.255 0.0.0.0 area 0
- D. network all-interfaces area 0

Answer: A

NEW QUESTION 770

A network administrator creates a layer 3 EtherChannel, bundling four interfaces into channel group 1. On what interface is the IP address configured?

- A. the port-channel 1 interface
- B. the highest number member interface
- C. all member interfaces
- D. the lowest number member interface

Answer: A

NEW QUESTION 771

What are two enhancements that OSPFv3 supports over OSPFv2? (Choose two.)

- A. It requires the use of ARP.
- B. It can support multiple IPv6 subnets on a single link.
- C. It supports up to 2 instances of OSPFv3 over a common link.
- D. It routes over links rather than over networks.

Answer: BD

NEW QUESTION 772

Which two statements correctly describe distance-vector routing protocols? (Choose two.)

- A. they specify the next hop toward the destination subnet
- B. they require quick network convergence to support normal operations
- C. they generate a complete topology of the network

- D. they update other devices on the network when one device detects a topology change
- E. they use a variety of metrics to identify the distance to a destination network

Answer: AE

NEW QUESTION 773

Which two statements correctly describe RADIUS? (Choose two.)

- A. It separates authentication, authorization, and accounting functions.
- B. It uses TCP as its transport protocol.
- C. It encrypts only the password.
- D. It combines authentication and authorization.
- E. It can authorize specific router commands.

Answer: CD

NEW QUESTION 774

Which command is necessary to permit SSH or Telnet access to a Cisco switch that is otherwise configured for these vty line protocols?

- A. transport type all
- B. transport output all
- C. transport preferred all
- D. transport input all

Answer: D

NEW QUESTION 775

Which NTP command configures the local device as an NTP reference clock source?

- A. NTP Peer
- B. NTP Broadcast
- C. NTP Master
- D. NTP Server

Answer: C

NEW QUESTION 776

Which NTP type designates a router without an external reference clock as an authoritative time source?

- A. server
- B. peer
- C. master
- D. client

Answer: C

NEW QUESTION 777

In which two situations should you use out-of-band management? (Choose two.)

- A. when a network device fails to forward packets
- B. when you require ROMMON access
- C. when management applications need concurrent access to the device
- D. when you require administrator access from multiple locations

E. when the control plane fails to respond

Answer: AB

NEW QUESTION 778

Which statement about static routes is true?

- A. The source interface can be configured to make routing decisions.
- B. A subnet mask is entered for the next-hop address.
- C. The subnet mask is 255.255.255.0 by default.
- D. The exit interface can be specified to indicate where the packets will be routed.

Answer: D

Explanation:

Static routing can be used to define an exit point from a router when no other routes are available or necessary. This is called a default route.

https://en.wikipedia.org/wiki/Static_routing

NEW QUESTION 779

Which two steps must you perform to enable router-on-a-stick on a switch? (Choose two.)

- A. Configure an IP route to the VLAN destination network.
- B. Connect the Router to a trunk port.
- C. Configure full duplex.
- D. Configure the subinterface number exactly the same as the matching VLAN.
- E. Assign the access port to a VLAN.

Answer: BE

NEW QUESTION 780

When you enable PortFast on a switch port, the port immediately transitions to which state?

- A. Blocking
- B. Forwarding
- C. Learning
- D. Listening

Answer: B

NEW QUESTION 781

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