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**<https://drive.google.com/drive/folders/0B75b5xYLjSSNUlpIeEc2YV9vRDg?usp=sharing>** New QuestionAn engineer is asked to monitor the availability of the next-hop IP address of 172.16.201.25 every 3 seconds using an ICMP echo packet via an ICMP echo probe. Which two commands accomplish this task? (Choose two.)A. router(config-ip-sla)#icmp-echo 172.16.201.25 source-interface FastEthernet 0/0B. router(config-ip-sla-echo)#timeout 3C. router(config-ip-sla)#icmp-jitter 172.16.201.25 interval 100D. router(config-ip-sla-echo)#frequency 3E. router(config-ip-sla)#udp-echo 172.16.201.25 source-port 23F. router(config-ip-sla-echo)#threshold 3**Answer: AD**

New Question What command can you enter to configure an enable password that uses an encrypted password from another configuration?A. enable secret \$abc%!.Cd34\$!ao0B. enable secret 7 \$abc%!.Cd34\$!ao0C. enable secret 0 \$abc%U\*.Cd34\$!ao0D. enable secret 5 \$abc%!.Cd34\$!ao0E. enable secret 15 \$abc%!.Cd34\$!ao0F. enable secret 6 \$abc%!.Cd34\$!ao0**Answer: D**

New Question A network engineer receives reports about poor voice quality issues at a remote site. The network engineer does a packet capture and sees out-of-order packets being delivered. Which option can cause the VOIP quality to suffer?A. traffic over backup redundant linksB. misconfigured voice vlanC. speed duplex link issuesD. load balancing over redundant links**Answer: D**  
Explanation: In traditional packet forwarding systems, using different paths have varying latencies that cause out of order packets, eventually resulting in far lower performance for the network application. Also, if some packets are process switched quickly by the routing engine of the router while others are interrupt switched (which takes more time) then it could result in out of order packets. The other options would cause packet drops or latency, but not out of order packets.

New Question What is the administrative distance for EIGRP?A. 200B. 30C. 70D. 20**Answer: D**

New Question Considering the IPv6 address independence requirements, which process do you avoid when you use NPTv6 for translation?A. rewriting of higher layer informationB. checksum verificationC. ipv6 duplication and conservationD. IPSEC AH header modification**Answer: A**  
Explanation: The IPv6-to-IPv6 Network Prefix Translation (NPTv6) serves as a useful mechanism for implementing address independence in an IPv6 environment. A major benefit associated with NPTv6 is the fact that it avoids the requirement for an NPTv6 Translator to rewrite the transport layer headers which reduces the load on network devices

**[http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipaddr\\_nat/configuration/xr-16/nat-xe-16-book/iadnat-asr1k-nptv6.html](http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipaddr_nat/configuration/xr-16/nat-xe-16-book/iadnat-asr1k-nptv6.html)**

New Question What is the optimal location from which to execute a debug command that produces an excessive amount of information?A. Vty linesB. SNMP commandsC. A console portD. An AUX port**Answer: A**  
Explanation:

**<http://www.cisco.com/c/en/us/support/docs/dial-access/integrated-services-digital-networks-isdn-channel-associated-signaling-cas/10374-debug.html>**

New Question A network engineer is configuring the router for NetFlow data exporting. What is required in order for NDE to begin exporting data?A. SourceB. Flow maskC. DestinationD. Interface typeE. Traffic typeF. NetFlow version**Answer: C**  
Explanation: NetFlow Multiple Export Destinations--To configure redundant NDE data streams, which improves the probability of receiving complete NetFlow data, you can enter the ip flow-export destination command twice and configure a different destination IP address in each command. Configuring two destinations increases the RP CPU utilization, as you are exporting the data records twice.

**[http://www.cisco.com/en/US/docs/general/Test/dwrblo/broken\\_guide/nde.html#wp1139278](http://www.cisco.com/en/US/docs/general/Test/dwrblo/broken_guide/nde.html#wp1139278)**

New Question Refer to the exhibit. Router 1 cannot ping router 2 via the Frame Relay between them. Which two statements describe the problems? (Choose two.) A. Encapsulation is mismatched.B. Frame Relay map is configured.C. DLCI is active.D. DLCI is inactive or deleted.E. An access list is needed to allow ping**Answer: AD**  
Explanation: Frame Relay: Cannot ping Remote Router : 1-Encapsulation mismatch has occurred.2-DLCI is inactive or has been deleted.3-DLCI is assigned to the wrong subinterface.4-An access list was misconfigured.5-The frame-relay map command is missing.6-No broadcast keyword is found in frame-relay map statements.

New Question At which layer does Cisco Express Forwarding use adjacency tables to populate addressing information?A. Layer 4B. Layer 2C. Layer 1D. Layer 3**Answer: B**  
Explanation: Adjacency table - 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/support/docs/routers/12000-series-routers/47321-ciscoef.html>**

New Question A network engineer wants to ensure an optimal end-to-end delay bandwidth product. The delay is less than 64 KB. Which TCP feature ensures steady state throughput?A. Window scalingB. Network buffersC. Round-trip timersD. TCP acknowledgments**Answer: A**  
Explanation: options can be carried in a TCP header. Those relevant to TCP performance include Window-scale option : This option

is intended to address the issue of the maximum window size in the face of paths that exhibit a high-delay bandwidth product. This option allows the window size advertisement to be right-shifted by the amount specified (in binary arithmetic, a right-shift corresponds to a multiplication by 2). Without this option, the maximum window size that can be advertised is 65,535 bytes (the maximum value obtainable in a 16-bit field). The limit of TCP transfer speed is effectively one window size in transit between the sender and the receiver. For high-speed, long-delay networks, this performance limitation is a significant factor, because it limits the transfer rate to at most 65,535 bytes per round-trip interval, regardless of available network capacity. Use of the window-scale option allows the TCP sender to effectively adapt to high-bandwidth, high-delay network paths, by allowing more data to be held in flight. The maximum window size with this option

<http://www.cisco.com/c/en/us/about/press/internet-protocol-journal/back-issues/table-contents-5/>

[ipj-archive/article09186a00800c8417.html](http://www.cisco.com/c/en/us/support/docs/ip/express-forwarding-cef/26083-trouble-cef.html) New Question A network administrator creates a static route that points directly to a multi-access interface, instead of the next-hop IP address. The administrator notices that Cisco Express Forwarding ARP requests are being sent to all destinations. Which issue might this configuration create? A. Low bandwidth usage B. High memory usage C.

Cisco Express Forwarding routing loop D. High bandwidth usage E. IP route interference Answer: C Explanation:

<http://www.cisco.com/c/en/us/support/docs/ip/express-forwarding-cef/26083-trouble-cef.html> !!!RECOMMEND!!! 1. | 2019

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