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| **[1](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml)** | Principio del formulario   |  |  | | --- | --- | | The following line was displayed in the output of the **show ip route** command.  **R 192.168.3.0/24 [120/3] via 192.168.2.2, 00:00:30, Serial0/0**  What is the value of the routing metric? | | |  | 3 | |  | 12 | |  | 20 | |  | 30 | |  | 120 |   Final del formulario |
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| [**2**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which command or set of commands will stop the RIP routing process? | | |  | RouterB(config)# **router rip** RouterB(config-router)# **shutdown** | |  | RouterB(config)# **router rip** RouterB(config-router)# **network no 192.168.2.0** | |  | RouterB(config)# **no router rip** | |  | RouterB(config)# **router no rip** |   Final del formulario |
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| [**3**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | What is the default update period in seconds for the RIP routing protocol? | | |  | 10 | |  | 12 | |  | 15 | |  | 20 | |  | 30 | |  | 60 |   Final del formulario |
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| [**4**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/15972.jpg Refer to the exhibit. What can be concluded from the routing table output of router B? | | |  | A static default route has been configured on B. | |  | The **default-information originate** command has been entered on A. | |  | All traffic that is destined for 192.168.1.1 will be sent to address 0.0.0.0. | |  | Hosts on the 10.16.1.0/27 network have 192.168.1.1 configured as the default gateway address. |   Final del formulario |
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| [**5**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | What will happen if an interface IP address is entered for the address portion of the **network** command in a RIPv1 configuration instead of a network address? | | |  | The router will reject the command. | |  | A route to the host address will be added to outgoing RIP updates. | |  | A route to the host address will be added to the routing table. | |  | All interfaces in the same classful network as the configured address will be included in the RIPv1 routing process. |   Final del formulario |
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| [**6**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/14323.jpg Refer to the exhibit. Router1 is running RIPv1. What command was entered into Router1 to configure the gateway of last resort? | | |  | **no auto-summary** | |  | **ip default-network 0.0.0.0** | |  | **ip default-gateway 10.0.0.0** | |  | **ip route 0.0.0.0 0.0.0.0 S0/0/1** |   Final del formulario |
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| [**7**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/15574.jpg Refer to the exhibit. All routers that are shown are running the RIP routing protocol. All unknown IP traffic must be forwarded to the ISP. What router or set of routers are recommended to have both a default route and the **default-information originate** command issued to implement this forwarding policy? | | |  | only Router1 | |  | only the gateway router | |  | all routers in the network | |  | only the routers with LANs needing Internet access |   Final del formulario |
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| [**8**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/14361.jpg Refer to the exhibit. All routers in the exhibit are running RIP v1. The network administrator issues the **show ip route** command on router A. What routes would appear in the routing table output if the network is converged? (Choose two). | | |  | R 192.168.2.0/24 [120/1] | |  | C 192.168.2.0/24 [120/1] | |  | R 10.10.3.0/24 [120/0] | |  | C 10.10.3.0/24 [120/1] | |  | R 10.10.1.0/24 [120/2] | |  | R 10.10.1.0/24 [120/3] |   Final del formulario |
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| [**9**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | What are three characteristics of the RIPv1 routing protocol? (Choose three.) | | |  | supports the use of VLSM | |  | uses hop count as a metric | |  | considers a metric of 16 as infinity | |  | has an administrative distance of 110 by default | |  | includes the destination IP address and subnet mask in routing updates | |  | calculates metrics using the Bellman Ford algorithm |   Final del formulario |
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| [**10**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which of the following is considered a limitation of RIP v1? | | |  | RIP v1 does not send subnet mask information in its updates. | |  | RIP v1 is not widely supported by networking hardware vendors. | |  | RIP v1 consumes excessive bandwidth by multicasting routing updates using a Class D address. | |  | RIP v1 requires enhanced router processors and extra RAM to function effectively. | |  | RIP v1 does not support load balancing across equal-cost paths. | |  | RIP v1 authentication is complicated and time-consuming to configure. |   Final del formulario |
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| [**11**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which command will display RIP activity as it occurs on a router? | | |  | **debug ip rip** | |  | **show ip route** | |  | **show ip interface** | |  | **show ip protocols** | |  | **debug ip rip config** | |  | **show ip rip database** |   Final del formulario |
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| [**12**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/962.jpg Refer to the output from the **show ip route** command. What can be concluded from the output of this router command? | | |  | A preferred route to the destination has not been set. | |  | There are two equal cost paths to network 1.0.0.0. | |  | Both interfaces are being used equally to route traffic. | |  | A variance must be set to load-balance across multiple paths. |   Final del formulario |
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| [**13**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/16453.jpg Refer to the exhibit. Pings between the serial interfaces of the routers are successful. Hosts on each LAN can ping the Fa0/0 interface of the router to which they are directly connected through the switch. However, pings between hosts on the 10.1.1.0/24 and 10.1.2.0/24 networks are unsuccessful. What is a likely cause of this problem? | | |  | The Fa0/0 interface on R1 is configured as a passive interface. | |  | The Fa0/0 interfaces on each router is shutdown. | |  | RIP is configured incorrectly on R1. | |  | Automatic summarization is preventing the routing updates from being forwarded. | |  | The network has not converged and R2 must wait 12 more seconds before receiving a full routing table update from R1. |   Final del formulario |
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| [**14**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/16434.jpg Refer to the exhibit. The network that is shown is running RIPv1. The 192.168.10.0/24 network was recently added and will only contain end users. What command or set of commands should be entered on Router1 to prevent RIPv1 updates from being sent to the end user devices on the new network while still allowing this new network to be advertised to other routers? | | |  | Router1(config-router)# **no router rip** Router1(config-router)# **network 192.168.10.0** | |  | Router1(config-router)# **no network 192.168.10.0** | |  | Router1(config-router)# **passive-interface fastethernet 0/0** | |  | Router1(config-router)# **passive-interface serial 0/0/0** |   Final del formulario |
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| [**15**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/16125.jpg Refer to the exhibit. All routers are configured with valid interface addresses in the indicated networks and are running RIPv1. The network is converged. Which routes are present in the routing tables? | | |  | All routers have all routes in their routing table. | |  | All routers have all /30 routes, but do not have /24 routes in their routing table. | |  | All routers have all /30 routes. Routers A and E also have some of the /24 routes in their routing table. | |  | All routers have all /30 routes. Routers B and D also have some of the /24 routes in their routing table. | |  | Routers A and E have all routes. Routers B and D have only /30 routes in their routing table. | |  | Routers A and E have only /24 routes. Routers B and D have only /30 routes in their routing table. |   Final del formulario |
| [**1**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | The following line was displayed in the output of the **show ip route** command.  **R 192.168.3.0/24 [120/3] via 192.168.2.2, 00:00:30, Serial0/0**  What is the value of the routing metric? | | |  | 3 | |  | 12 | |  | 20 | |  | 30 | |  | 120 |   Final del formulario |
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| [**2**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which command or set of commands will stop the RIP routing process? | | |  | RouterB(config)# **router rip** RouterB(config-router)# **shutdown** | |  | RouterB(config)# **router rip** RouterB(config-router)# **network no 192.168.2.0** | |  | RouterB(config)# **no router rip** | |  | RouterB(config)# **router no rip** |   Final del formulario |
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| [**3**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | What is the default update period in seconds for the RIP routing protocol? | | |  | 10 | |  | 12 | |  | 15 | |  | 20 | |  | 30 | |  | 60 |   Final del formulario |
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| [**4**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/15972.jpg Refer to the exhibit. What can be concluded from the routing table output of router B? | | |  | A static default route has been configured on B. | |  | The **default-information originate** command has been entered on A. | |  | All traffic that is destined for 192.168.1.1 will be sent to address 0.0.0.0. | |  | Hosts on the 10.16.1.0/27 network have 192.168.1.1 configured as the default gateway address. |   Final del formulario |
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| [**5**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | What will happen if an interface IP address is entered for the address portion of the **network** command in a RIPv1 configuration instead of a network address? | | |  | The router will reject the command. | |  | A route to the host address will be added to outgoing RIP updates. | |  | A route to the host address will be added to the routing table. | |  | All interfaces in the same classful network as the configured address will be included in the RIPv1 routing process. |   Final del formulario |
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| [**6**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/14323.jpg Refer to the exhibit. Router1 is running RIPv1. What command was entered into Router1 to configure the gateway of last resort? | | |  | **no auto-summary** | |  | **ip default-network 0.0.0.0** | |  | **ip default-gateway 10.0.0.0** | |  | **ip route 0.0.0.0 0.0.0.0 S0/0/1** |   Final del formulario |
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| [**7**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/15574.jpg Refer to the exhibit. All routers that are shown are running the RIP routing protocol. All unknown IP traffic must be forwarded to the ISP. What router or set of routers are recommended to have both a default route and the **default-information originate** command issued to implement this forwarding policy? | | |  | only Router1 | |  | only the gateway router | |  | all routers in the network | |  | only the routers with LANs needing Internet access |   Final del formulario |
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| [**8**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/14361.jpg Refer to the exhibit. All routers in the exhibit are running RIP v1. The network administrator issues the **show ip route** command on router A. What routes would appear in the routing table output if the network is converged? (Choose two). | | |  | R 192.168.2.0/24 [120/1] | |  | C 192.168.2.0/24 [120/1] | |  | R 10.10.3.0/24 [120/0] | |  | C 10.10.3.0/24 [120/1] | |  | R 10.10.1.0/24 [120/2] | |  | R 10.10.1.0/24 [120/3] |   Final del formulario |
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| [**9**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | What are three characteristics of the RIPv1 routing protocol? (Choose three.) | | |  | supports the use of VLSM | |  | uses hop count as a metric | |  | considers a metric of 16 as infinity | |  | has an administrative distance of 110 by default | |  | includes the destination IP address and subnet mask in routing updates | |  | calculates metrics using the Bellman Ford algorithm |   Final del formulario |
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| [**10**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which of the following is considered a limitation of RIP v1? | | |  | RIP v1 does not send subnet mask information in its updates. | |  | RIP v1 is not widely supported by networking hardware vendors. | |  | RIP v1 consumes excessive bandwidth by multicasting routing updates using a Class D address. | |  | RIP v1 requires enhanced router processors and extra RAM to function effectively. | |  | RIP v1 does not support load balancing across equal-cost paths. | |  | RIP v1 authentication is complicated and time-consuming to configure. |   Final del formulario |
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| [**11**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which command will display RIP activity as it occurs on a router? | | |  | **debug ip rip** | |  | **show ip route** | |  | **show ip interface** | |  | **show ip protocols** | |  | **debug ip rip config** | |  | **show ip rip database** |   Final del formulario |
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| [**12**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/962.jpg Refer to the output from the **show ip route** command. What can be concluded from the output of this router command? | | |  | A preferred route to the destination has not been set. | |  | There are two equal cost paths to network 1.0.0.0. | |  | Both interfaces are being used equally to route traffic. | |  | A variance must be set to load-balance across multiple paths. |   Final del formulario |
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| [**13**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/16453.jpg Refer to the exhibit. Pings between the serial interfaces of the routers are successful. Hosts on each LAN can ping the Fa0/0 interface of the router to which they are directly connected through the switch. However, pings between hosts on the 10.1.1.0/24 and 10.1.2.0/24 networks are unsuccessful. What is a likely cause of this problem? | | |  | The Fa0/0 interface on R1 is configured as a passive interface. | |  | The Fa0/0 interfaces on each router is shutdown. | |  | RIP is configured incorrectly on R1. | |  | Automatic summarization is preventing the routing updates from being forwarded. | |  | The network has not converged and R2 must wait 12 more seconds before receiving a full routing table update from R1. |   Final del formulario |
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| [**14**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/16434.jpg Refer to the exhibit. The network that is shown is running RIPv1. The 192.168.10.0/24 network was recently added and will only contain end users. What command or set of commands should be entered on Router1 to prevent RIPv1 updates from being sent to the end user devices on the new network while still allowing this new network to be advertised to other routers? | | |  | Router1(config-router)# **no router rip** Router1(config-router)# **network 192.168.10.0** | |  | Router1(config-router)# **no network 192.168.10.0** | |  | Router1(config-router)# **passive-interface fastethernet 0/0** | |  | Router1(config-router)# **passive-interface serial 0/0/0** |   Final del formulario |
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| [**15**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/16125.jpg Refer to the exhibit. All routers are configured with valid interface addresses in the indicated networks and are running RIPv1. The network is converged. Which routes are present in the routing tables? | | |  | All routers have all routes in their routing table. | |  | All routers have all /30 routes, but do not have /24 routes in their routing table. | |  | All routers have all /30 routes. Routers A and E also have some of the /24 routes in their routing table. | |  | All routers have all /30 routes. Routers B and D also have some of the /24 routes in their routing table. | |  | Routers A and E have all routes. Routers B and D have only /30 routes in their routing table. | |  | Routers A and E have only /24 routes. Routers B and D have only /30 routes in their routing table. |   Final del formulario |

[70.7](http://cisco.netacad.net/cnams/dispatch;jsessionid=FBB2D8762D44D7F819424B48077AF5EA.tc_3_2?service=2&ref=%2Fgradebook%2FGradeBook.jsp&assessmentResultID=53030140&learnerID=4989281&classID=3446027&GradebookScoreWhereAmIEvent=&formName=gradebookForm)