Juniper

Exam Questions JN0-104

Junos - Associate (JNCIA-Junos)

NEW QUESTION 1
When you choose to read your e-mail using an e-mail client, your e-mail client interacts with which OSI layer?

A. presentation
B. transport
C. application
D. session

Answer: C

Explanation:
According to the OSI (Open Systems Interconnection) model, the application layer is responsible for providing the user with a means to access the network services, such as e-mail, file transfer, and virtual terminal access. An e-mail client, such as Microsoft Outlook or Apple Mail, operates at the application layer and interacts with the underlying network services to retrieve and manage e-mail messages.

NEW QUESTION 2
Click the Exhibit button

You are connecting to a new device in your network and are presented with the information and prompt shown in the exhibit
Which three steps must be carried out to edit the configuration on this device? (Choose three.)

A. Type configure at the > prompt.
B. Log in using the root user with no password.
C. Type cli at the = prompt
D. Type cli at the > prompt
E. Log in using the root user with the root 123 password.

Answer: AB

NEW QUESTION 3
Which default login class should you select if you want the user to edit configuration files?

A. read-only
B. unauthorized
C. super-user
D. operator

Answer: C

NEW QUESTION 4
Which two statements describe the RE on Junos OS devices? (Choose two.)

A. The RE is considered the control plane.
B. The RE forwards traffic based on its local copy of the forwarding table.
C. The RE provides hardware status messages for the PFE
D. The RE maintains the routing tables.

Answer: AD

Explanation:
Ref: Juniper Networks Partner Solution Development Platform: Architecture of the JUNOS System "Architecture of the JUNOS System
…
The Routing Engine operates all routing protocols and makes all routing decisions by creating a routing table that includes the best path to each destination. The router writes these paths to a forwarding table in the Routing Engine and then copies the same data to the forwarding table on the Packet Forwarding Engine (PFE) which actually forwards the packets.
…
The Control Plane
…
The control plane runs on the Routing Engine. Its role is to manage and control the behavior of the device, including the data plane and the services plane.
…"

NEW QUESTION 5
What is the decimal equivalent of 00000100?

A. 2

B. 4
C. 9
D. 12

Answer: B

NEW QUESTION 6
A user entered configuration mode and modified the candidate configuration. In this scenario, what are two results? (Choose two.)

A. Other users cannot enter configuration mode.
B. Other users cannot enter configuration mode using the exclusive parameter
C. Other users cannot log into the device.
D. Other users cannot enter configuration mode using the private parameter.

Answer: BD

NEW QUESTION 7
Which operational mode command will provide real-time usage statistics for the ge-0/0/0 interface?

A. show interfaces ge-0/0/0 extensive
B. monitor interface traffic
C. show interfaces statistics
D. monitor traffic interface ge-0/0/0

Answer: B

NEW QUESTION 8
What are two functions of the transport layer? (Choose two.)

A. data integrity
B. segmentation
C. flow control
D. packet forwarding

Answer: BC

Explanation:
The transport layer is responsible for ensuring the reliable delivery of data between applications running on different devices. It provides two main functions:
* B. Segmentation: The transport layer is responsible for dividing large data payloads into smaller segments that can be transmitted over the network. This allows for better utilization of network resources and improved reliability, as errors in transmission can be detected and corrected more easily.
* C. Flow control: The transport layer is also responsible for managing the flow of data between the sender and receiver. It monitors the receiving device's buffer capacity to ensure that it is not overwhelmed by incoming data, and can adjust the rate at which data is transmitted accordingly. This helps to prevent data loss and ensure the efficient use of network resources.
These two functions are crucial for ensuring the reliable delivery of data in a network and are provided by protocols such as TCP (Transmission Control Protocol) and UDP (User Datagram Protocol).

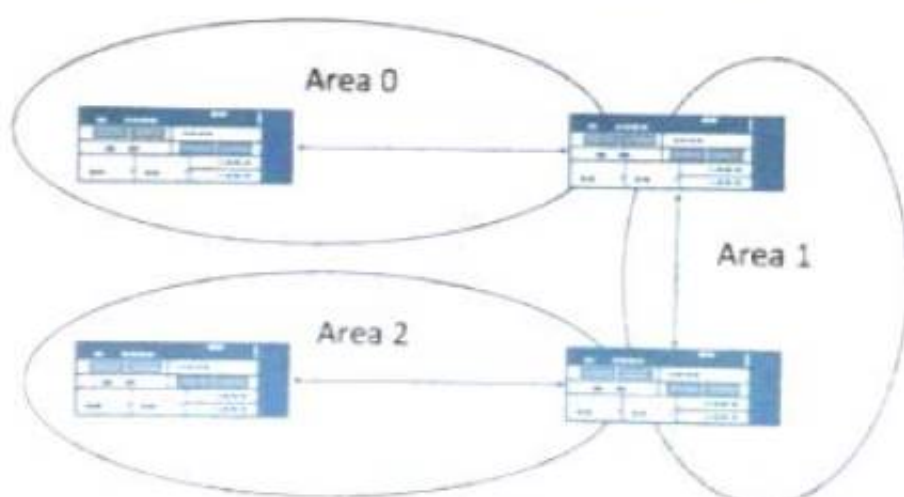**NEW QUESTION 9**
Which statement about the forwarding table is correct?

A. It contains all known routes including IPv6
B. It is only available on the PFE
C. It is only available on the RE
D. It is available on both the RE and the PFE.

Answer: B

NEW QUESTION 10
Referring to the exhibit.

which OSPF feature would connect Area 2 to Area 0?

A. route summarization
B. equal-cost multipath
C. virtual link
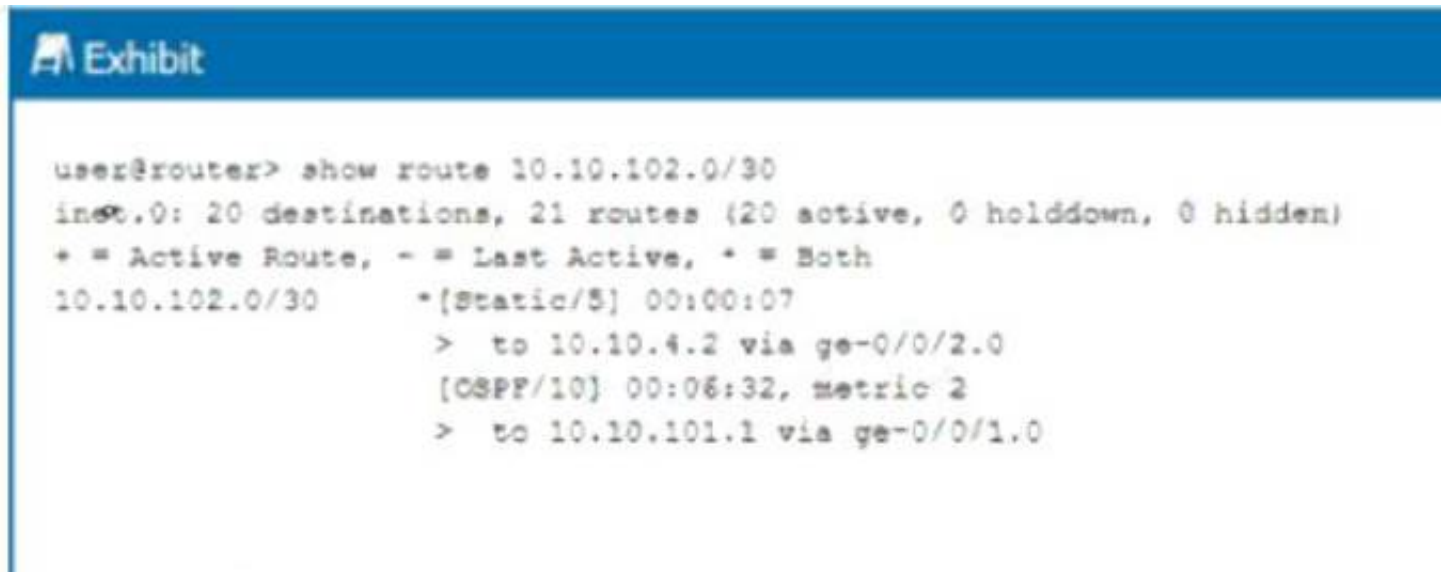D. database synchronization

Answer: C

NEW QUESTION 10
What information is provided by the show route forwarding-table command?

A. the routing table stored on the RE
B. the protocol from where the route was learned
C. the outgoing interface(s) associated with the destination prefixes
D. the number of routes that are active, hidden, or in a hold-down state

Answer: C

NEW QUESTION 14
Click the Exhibit button

```
Exhibit

user@router> show route 10.10.102.0/30
inet.0: 20 destinations, 21 routes (20 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both
10.10.102.0/30      *[Static/5] 00:00:07
                     >  to 10.10.4.2 via ge-0/0/2.0
                     [OSPF/10] 00:06:32, metric 2
                     >  to 10.10.101.1 via ge-0/0/1.0
```

Referring to the exhibit, which statement is correct?

A. Traffic destined to 10.10.102.0/30 will be forwarded to 10.10.101.1.
B. Traffic destined to 10.10.102.0/30 will be load-balanced across both next hops.
C. Traffic destined to 10.10.102.0/30 will be silently dropped.
D. Traffic destined to 10.10.102.0/30 will be forwarded to 10.10.4.2

Answer: D

NEW QUESTION 16
Which two statements about routing policies are correct? (Choose two.)

A. An import policy is used to control incoming traffic on a specific interface.
B. An export policy determines the routes in the local routing table that are advertised to peers.
C. An import policy is used to control routes that are accepted by the local routing table.
D. An export policy is used to control outgoing traffic on a specific interface.

Answer: BC

Explanation:
Ref: Understanding Routing Policies | Junos OS | Juniper Networks "Understanding Routing Policies
…
Importing and Exporting Routes
Two terms—import and export—explain how routes move between the routing protocols and the routing table.
• When the Routing Engine places the routes of a routing protocol into the routing table, it is importing routes into the routing table.
• When the Routing Engine uses active routes from the routing table to send a protocol advertisement, it is exporting routes from the routing table.
…"

NEW QUESTION 17
Which two protocols use UDP to facilitate speed? (Choose two.)

A. OFTP
B. TFTP
C. SCP
D. SNMP

Answer: BD

NEW QUESTION 21
Click the Exhibit button

Exhibit

```
user@router# show protocols isis | display set
set protocols isis traceoptions file is-is-logs.log
set protocols isis traceoptions flag hello
set protocols isis traceoptions flag packets
set protocols isis traceoptions flag normal
set protocols isis level 1 disable
set protocols isis interface ge-0/0/0.0 point-to-point
```

You are capturing logs to troubleshoot an issue with IS-IS; however, the logs are increasing in size too quickly.
Referring to the exhibit, which configuration statement would solve this problem?

A. set protocols isis traceoptions flag hello detail
B. set protocols isis traceoptions file files 10
C. delete protocols isis traceoptions flag normal
D. delete protocols isis traceoptions file is-is-logs.log

Answer: D

NEW QUESTION 25
Which two parameters are considered action modifiers in the firewall filters then statement? (Choose two.)

A. next term
B. reject
C. policer
D. counter

Answer: AC

NEW QUESTION 29
Click the Exhibit button

Exhibit

```
[edit]
user@router# show firewall family inet filter test-filter
term 1 {
    from {
        source-address {
            1.0.0.0/23;
        }
    }
    then policer test-policer;
}
term 2 {
    then accept;
}
[edit]
user@router# show firewall policer test-policer
if-exceeding {
    bandwidth-limit 1g;
    burst-size-limit 100k;
}
then discard;
```

Referring to the exhibit, what will happen to traffic that is less than the bandwidth limit from source address 1.0.0.207

A. The traffic will be discarded by the policer.
B. The traffic will be accepted by term 2.
C. The traffic will be discarded by term 1.
D. The traffic will be accepted by term 1.

Answer: D

NEW QUESTION 34
Click the Exhibit button.
user@router> show interfaces | no-more
Referring to the exhibit, what happens when you filter the output of a command using the no-more parameter?

A. The output is displayed in XML format.
B. The output is displayed with no page breaks.
C. The number of lines in the output are displayed.
D. The last screen of information is displayed.

Answer: B

Explanation:
Ref: | (pipe) | Junos OS | Juniper Networks "| (pipe)
… Description
Filter the output of an operational mode or a configuration mode command.
… Options
…
no-more Display output all at once rather than one screen at a time.
…"

NEW QUESTION 36
You loaded the factory-default configuration on your Junos device.
Which single element must be configured before a commit command will succeed?

A. An IPv4 address must be configured on the fxpO or emO interface.
B. An IPv4 default route must be configured.
C. A hostname must be configured.
D. A root password must be configured.

Answer: D

Explanation:
Ref: Root Password | Junos OS | Juniper Networks
"Root Password
…
When the device is powered on for the first time, it is ready to be configured. Initially, you log in as the user root with no password. You must configure a plain-text password for the root-level user (whose username is root) the first time you modify and commit the configuration.
…"

NEW QUESTION 39
You are asked to enable the configuration archival feature on your device running Junos OS. Which two backup scenarios exist? (Choose two.)

A. When a user performs a commit operation.
B. When a user logs out of the device.
C. When a specific time interval passes.
D. When a user logs in to the device.

Answer: AC

Explanation:
Ref: Back Up Configurations to an Archive Site | Junos OS | Juniper Networks
"Back Up Configurations to an Archive Site
Configure the Transfer of the Active Configuration
If you want to back up your device's current configuration to an archive site, you can configure the device to transfer its activeconfiguration by FTP, HTTP, or secure copy (SCP) periodically or after each commit.

NEW QUESTION 41
What is the network address for a host with an IP address of 192.168.87.125/16?

A. 192.168.128.0
B. 192.168.0.0
C. 192.168.96.0
D. 192.168.87.0

Answer: B

Explanation:
The network address for a host is determined by performing a bitwise AND operation between the host's IP address and the subnet mask. In this case, the IP address is192.168.87.125 and the subnet mask is 255.255.0.0 (or /16), which means that the first 16 bits are used for the network portion of the address and the remaining 16 bits are used for the host portion.
To find the network address, we perform the bitwise AND operation: 192.168.87.125 (IP address)
& 255.255.0.0 (subnet mask)
= 192.168.0.0 (network address)
So, the network address for a host with an IP address of 192.168.87.125/16 is 192.168.0.0.

NEW QUESTION 44
You are asked to configure filter-based forwarding Which routing-instance type would you use?

A. VRF
B. virtual router
C. non-forwarding
D. forwarding

Answer: D

NEW QUESTION 49

Which statement is true about using custom login class permissions?

A. If you allow and deny the same command, the command is denied.
B. If you allow and deny the same command, Junos OS will randomly choose the action.
C. If you allow and deny the same command, the command is allowed.
D. If you allow and deny the same command, the Junos OS will fail the commit check.

Answer: C

Explanation:
Understanding the Allow and Deny Statement Precedence and Matching By default, the allow-commands and allow-configuration regular expressions take precedence over deny-commands and deny-configuration expresssions. Thus, if you configure the same command for both the allow-commands and deny-commands statements, then the allow operation takes precedence over the deny operation.
Ref: User Access Privileges | Junos OS | Juniper Networks "User Access Privileges
…
Understanding the Allow and Deny Statement Precedence and Matching
By default, the allow-commands and allow-configuration regular expressions take precedence over
deny-commands and deny-configuration expresssions. Thus, if you configure the same command for both the allow-commands and deny-commands statements,
then the allow operation takes precedence over the deny operation.
,."

NEW QUESTION 50
What are two functions of the PFE? (Choose two.)

A. to maintain the forwarding tables
B. to apply the class of service function
C. to forward transit traffic
D. to monitor the chassis

Answer: BC

NEW QUESTION 53
Which two statements describe the functions of the Packet Forwarding Engine (PFE)? (Choose two.)

A. The PFE will route or switch packets or frames out of the correct interface as quickly as possible.
B. The PFE will apply filters and routing policies when forwarding the packets to their final destination.
C. A The PFE will process management traffic to help monitor and manage the network device.
D. A The PFE will calculate the best network path to each individual subnet based on input from various routing protocols and static routes.

Answer: AB

NEW QUESTION 57
In the show I compare rollback 49 command, what is the purpose of the I?

A. The | is a shortcut to redirect output from a command line to a file.
B. The filters the output of the show command.
C. The | is used to represent an "either or" statement.
D. The | changes the command from an operational command to a configuration mode command.

Answer: B

Explanation:
ttps://www.juniper.net/documentation/us/en/software/junos/cli/topics/ref/command/pipe.html

NEW QUESTION 62
You suspect a duplicate MAC address on a subnet. You want to display the MAC, errors, and statistics of the ge-O/0/0 interface.
Which command will accomplish this task?

A. show arp
B. show interface ge-O/0/0 extensive
C. show ethernet-switching table
D. show interface terse

Answer: B

NEW QUESTION 64
Which command prompt indicates that you are in operational mode?

A. user @ router &
B. user @ router #
C. user @ router $
D. user @ router >

Answer: D

NEW QUESTION 69

After logging in as root, you enter thecli command. What does this command do?

A. It enables you to enter configuration mode.
B. It enables you to enter line edit mode.
C. It enables you to enter operational mode.
D. It enables you to enter interface mode.

Answer: C

NEW QUESTION 71
What is a valid IPv6 address?

A. 00:05:85:23:45:67
B. 127.0.0.1
C. 2001:0db8:3000:2215:0000:0000:aaaa:llll
D. 49.0001.0192.0168.1001.00

Answer: C

NEW QUESTION 73
What are three valid software release designations for the junos OS? (Choose three.)

A. X
B. R
C. T
D. Z
E. B

Answer: ABE

NEW QUESTION 77
The PFE receives which two tables from the RE? (Choose two.)

A. Layer 5 forwarding table
B. Layer 2 forwarding table
C. Layer 3 forwarding table
D. Laver 4 forwardina table

Answer: BC

NEW QUESTION 82
What are three characteristics of Layer 2 switches? (Choose Three)

A. Layer 2 switches separates multicast domains.
B. Layer 2 switches separates collision domains.
C. Layer 2 switches forward traffic addressed to hosts that reside on the same collision domain.
D. Layer 2 switches forward traffic addressed to hosts that reside on a different collision domain.
E. Layer 2 switches forward broadcast traffic.

Answer: BDE

NEW QUESTION 85
Click the Exhibit button.


```
user@router# run show route 100.0.0.0/30
inet.0: 16 destinations, 18 routes (16 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both
100.0.0.1/32        *[Local/0] 1w0d 22:10:15
                     > Local via xe-3/0/0:0.0
100.0.0.0/30        *[Direct/0] 1w0d 22:10:15
                     > via xe-3/0/0:0.0
user@router# run monitor traffic interface xe-3/0/0:0 no-resolve matching "src 100.0.0.2"
verbose output suppressed, use <detail> or <extensive> for full protocol decode
Address resolution is OFF.
Listening on xe-3/0/0:0.0, capture size 96 bytes
^C
0 packets received by filter
0 packets dropped by kernel
```

You are attempting to capture traffic being sent to IP address 100.0.0.2, but are unable to see any packets. Referring to the exhibit, what is the problem?

A. You must use the dat 100.0.0.2 match condition instead of the src 100.0.0.2 match condition.
B. You must add the size parameter to the command.

C. Traffic destined for 100.0.0.2 is transit traffic.
D. You must add the layer2-headers parameter to the command.

Answer: A

NEW QUESTION 86
You are asked to determine when a Junos device was booted Which command would you use to obtain this information?

A. show system statistics
B. show system commit
C. show system information
D. show system uptime

Answer: D

NEW QUESTION 90
What will the request system configuration rescue save command accomplish?

A. It will generate support information for JTAC.
B. It will save a copy of the configuration so that you can go back to it at any time
C. It will prevent 2 commit from happening
D. It will restore your system to factory default settings.

Answer: B

NEW QUESTION 92
A router contains both a static route and an OSPF route for the 172.18.100.0/24 prefix in its routing table. The router is configured to use the factory-default Junos OS routing preference values.
In this scenario, which statement is correct?

A. The OSPF route will be active because of a higher default preference value.
B. The OSPF route will be active because of a lower default preference value.
C. The static route will be active because of a lower default preference value.
D. The static route will be active because of a higher default preference value.

Answer: C

NEW QUESTION 96
Which statement is true about a virtual router routing instance?

A. It can be used for Layer 3 VPN implementations.
B. It can be used to create a separate routing table.
C. An interface in the routing instance can also reside in the default routing instance.
D. It automatically has import and export policies applied.

Answer: B

NEW QUESTION 101
Which routing instance type is used for filter-based forwarding applications?

A. layer2-control
B. vpls
C. forwarding
D. vrf

Answer: C

Explanation:
The forwarding routing instance type is used for filter-based forwarding applications, such as policy-based routing and traffic engineering. This type of routing instance is used when the routing table needs to contain
more detailed information than what is available in the default routing table. According to the Juniper Networks Technical Certification Program (JNTCP)
documents[1], the forwarding routing instance type is used for filter-based forwarding applications.

NEW QUESTION 106
Click the Exhibit button.

```
[edit protocol ospf]
user@router# show
traceoptions {
        file ospf-trace size 64k files 5 no-world-readable;
        flag event detail;
        flag error detail;
}
area 0.0.0.0 {
        interface ge-0/0/0.0;
        interface ge-0/0/1.0;
}
```

Which statement is correct regarding the configurration shown in the exhibit?

A. When the ospf-trace file has created five files, it will stop logging additional information.
B. When the ospf-trace file reaches the 64 KB file size, it is renamed and begins a new file.
C. The ospf-trace file will automatically replace any existing trace file with the same name.
D. Timestamp information will not be included for each line of ospf-trace

Answer: B

NEW QUESTION 109
Click the Exhibit button.

```
[edit routing-options]
user@router# show
static {
        route 192.168.77.0/24 {
                next-hop 10.10.1.2;
                qualified-next-hop 10.10.11.2 {
                        preference 4;
                }
        }
        route 0.0.0.0/0 next-hop 10.10.20.2;
        route 192.168.77.0/25 next-hop 10.10.0.2;
```

Referring to the exhibit, if the router forwards traffic destined for 192.168.77.29, which next hop will be used?

A. 10.10.1.2
B. 10.10.11.2
C. 10.10.0.2
D. 10.10.20.2

Answer: C

NEW QUESTION 114
Which statement is true about PFEs?

A. A PFE receives microcode updates from the RE.
B. A PFE receives layer 4 forwarding tables updates from the RE.
C. A PFE receives hardware status messages from the RE
D. A PFE receives environmental status messages from RE.

Answer: B

NEW QUESTION 119
Which statement describes the ulst next-hop type that appears in the output of the show route forwarding-table command?

A. A list of unicast or multicast forwarding entries waiting to be resolved.
B. A list of unicast destination prefixes for which packets will be silently discarded
C. A list of unicast next hops used for a given destination for which load balancing is enabled

D. A list of unicast or multicast destination prefixes for which packets will be silently discarded.

Answer: C

NEW QUESTION 121
Click the Exhibit button


```
user@router> show interfaces terse
Interface               Admin Link Proto    Local                  Remote
ge-0/0/0                up    up
ge-0/0/0.0              up    up    inet     172.18.36.1/24
ge-0/0/1                up    up
ge-0/0/1.0              up    up    inet6    fd73:5d2a:f03b:15e0::1/64
                                            fe80::217:cbff:fe4e:a281/64
ge-0/0/2                up    up
ge-0/0/2.0              down  up    inet     172.19.25.1/28
ge-0/0/2.1             down  up    inet     10.0.0.10/24
ge-0/0/2.2             down  up    inet     192.168.1.1/24
...
```

Referring to the exhibit, you are unable to reach devices in the 172.19.25.0/28 subnet. What should you do to solve this problem?

A. Enable the ge-0/0/2 interface.
B. Enable the ge-0/0/2.2 interface.
C. Enable the ge-0/0/2.0 interface.
D. Enable the ge-0/0/2.1 interface.

Answer: C

NEW QUESTION 122
Which command allows you to execute operational mode commands while in configuration mode?

A. activate
B. show
C. run
D. set

Answer: C

Explanation:
https://help.ui.com/hc/en-us/articles/204960094-EdgeRouter-Configuration-and-Operational-Mode#:~:text=If% If you wish to run an Operational Mode command from while in Configuration Mode, use the run com https://www.juniper.net/documentation/en_US/src4.10/topics/task/operational/cli-modes-switching.html

NEW QUESTION 125
Click the Exhibit button,


```
[edit]
user@router# show policy-options
policy-statement block-routes {
    term 1 {
        from {
            route-filter 10.10.10.0/24 <match type>;
        }
        then reject;
    }
}
```

You are creating a new routing policy on your Junos device. You are currently receiving multiple routes within the 10.10. 10.0/24 subnet from the same upstream BGP neighbor. Your policy should only allow the 10.10. 10.0/24 route and reject all other routes within that /24 range
Referring to the exhibit, which route filter match type would satisfy this requirement?

A. exact
B. orlonger
C. prefix-length-range /24-/32
D. longer

Answer: A

NEW QUESTION 128
Which three connection protocols allow you to gather operational information from the Junos device? (Choose three.)

A. NETCONF
B. Telnet
C. XML
D. JSON
E. SSH

Answer: ABE

NEW QUESTION 130
You want to temporarily apply a candidate configuration to the active configuration and automatically roll back after 10 minutes
In this scenario, which command will accomplish this task?

A. commit at
B. commit confirmed
C. commit check
D. commit

Answer: B

Explanation:
 [edit]
user@host#commit confirmed
commit confirmed will be automatically rolled back in 10 minutes unless confirmed commit complete
#commit confirmed will be rolled back in 10 minutes [edit]
user@host#
https://www.juniper.net/documentation/us/en/software/junos/cli/topics/topic-map/junos-configuration-commit.ht

NEW QUESTION 134
You are creating a route filter that will match the network address of 192.168.64.0/24 In this scenario, which configuration statement will accomplish this task?

A. from route-filter 192.168.32.0/24 longer
B. from route-filter 152.168.128.0/24 orlonger
C. from route-filter 192.168.64.0/24 longer
D. from route-filter 192.168.64.0/24 orlonger

Answer: D

NEW QUESTION 137
Which command should you use to check real-time statistics of all active interfaces?

A. user@router> monitor traffic extensive
B. user@router> monitor interface traffic
C. user@router> show interface detail
D. user@router> show interface terse

Answer: B

Explanation:
https://www.juniper.net/documentation/us/en/software/junos/network-mgmt/topics/topic-map/monitoring-interfa

NEW QUESTION 141
......