



Juniper

Exam Questions JN0-104

Junos - Associate (JNCIA-Junos)

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NEW QUESTION 1

Click the Exhibit button.

Exhibit

```
user@router> show configuration interfaces ge-0/0/1.0
family inet {
    filter {
        input input-ff;
    }
    address 10.10.102.1/24;
}
user@router> show configuration firewall filter input-ff
term t1 {
    then {
        reject;
    }
}
```

Referring to the exhibit, which statement is correct about traffic received on the ge-0/0/1.0 interface?

- A. All traffic will be silently dropped.
- B. All traffic will be accepted.
- C. All traffic will be dropped and a UDP message sent back to the source.
- D. All traffic will be dropped and an ICMP notification sent back to the source.

Answer: C

NEW QUESTION 2

What is the name of the volume containing the software and files used for the day-to day operation of a device using Junos with upgraded FreeBSD?

- A. /var
- B. /active
- C. /junos
- D. /oam

Answer: C

NEW QUESTION 3

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 4

Which protocol connects multiple autonomous systems?

- A. OSPF
- B. IS-IS
- C. IBGP
- D. EBGP

Answer: D

Explanation:

According to the Juniper Networks JNCIA-Junos Study Guide, "External Border Gateway Protocol (EBGP) is used to connect multiple autonomous systems (ASes) and exchange routing information between them."

NEW QUESTION 5

What is the decimal equivalent of 00000100?

- A. 2
- B. 4
- C. 9
- D. 12

Answer: B

NEW QUESTION 6

Which system-defined user class is able to perform all operations on a device?

- A. operator
- B. authorized
- C. read-write
- D. super-user

Answer: D

NEW QUESTION 7

A device receives a route update for network 172.19.0.0/16 from two different routing information sources. In this scenario, which parameter will determine the active route?

- A. the route learned from the next hop with the highest IP address
- B. the route learned with the lowest default route preference
- C. the route learned from the next hop with the lowest IP address
- D. the route with the lowest metric

Answer: D

NEW QUESTION 8

Which layer of the OSI model does a router use to make forwarding decisions?

- A. Layer 3
- B. Layer 4
- C. Layer 5
- D. Layer 2

Answer: A

NEW QUESTION 9

Click the Exhibit button

Exhibit

```
user@router> show route forwarding-table
Routing table: default.inet
Internet:
Destination      Type RtRef Next hop          Type Index NhRef Netif
default          user   0 0:17:cb:4e:ae:81  ucat   520   3 ge-0/0/0.0
default          perm   0                rjct    36    1
0.0.0.0/32       perm   0                dact    34    1
172.19.0.0/16    user   0 200.1.4.100       ucat   535   3 ge-0/0/3.0
172.19.52.0/24   user   0 200.1.2.100       ucat   529   3 ge-0/0/1.0
172.19.52.16/28  user   0 200.1.3.100       ucat   534   3 ge-0/0/2.0
```

What is the next-hop interface for traffic destined to 172.19.52.101 as shown in the exhibit?

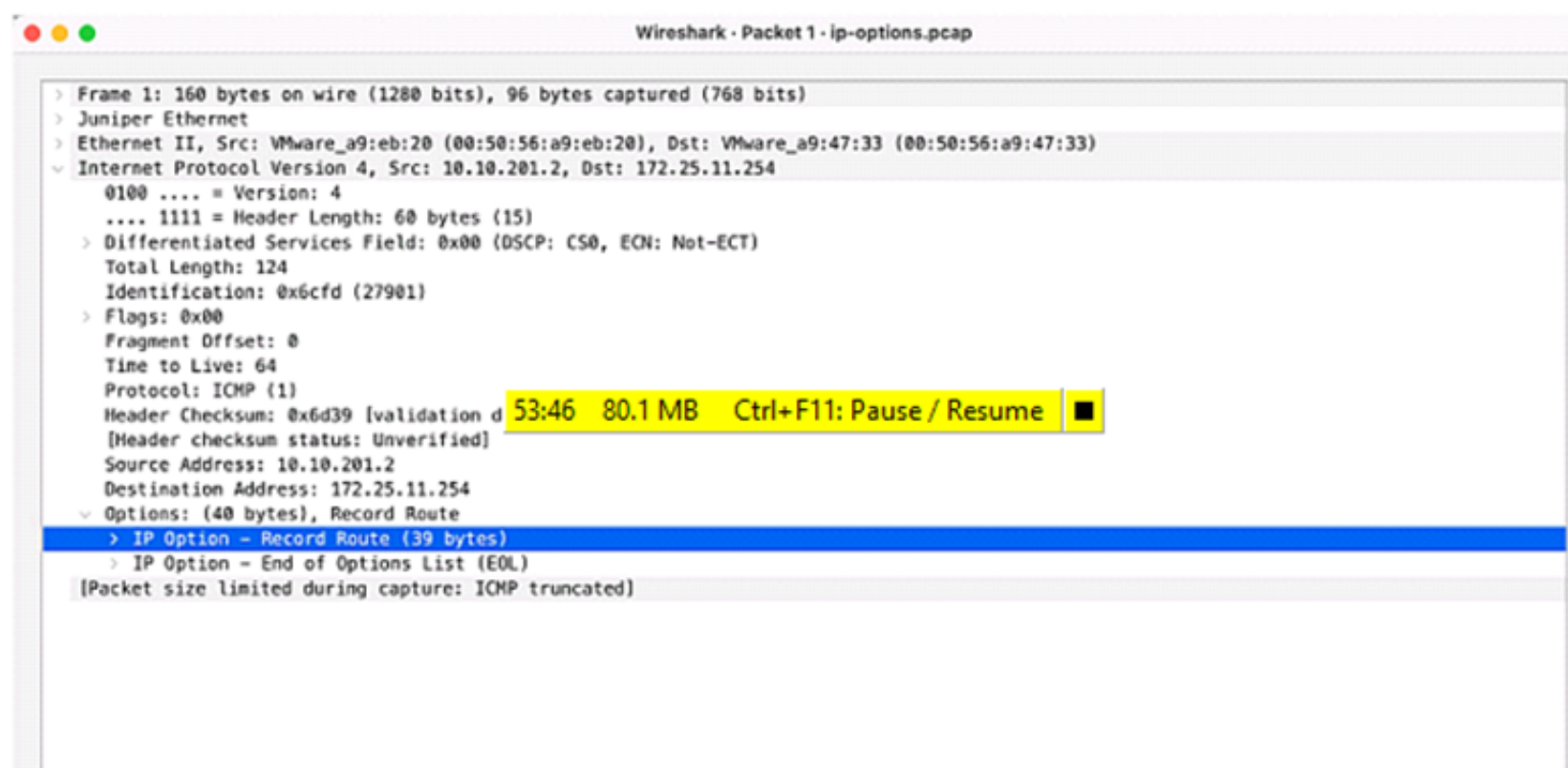
- A. ge-0/0/3.0
- B. ge-0/0/0.0
- C. ge-0/0/2.0
- D. ge-0/0/1.0

Answer: D

NEW QUESTION 10

Click the Exhibit button.

Exhibit



What happens if the packet shown in the exhibit is received by a device running Junos OS?

- A. The packet is received by the RE first and then redirected to the PFE.
- B. The packet is received by the PFE first and then redirected to the RE.
- C. The packet is handled by the PFE alone.
- D. The packet is handled by the RE alone.

Answer: B

Explanation:

IP options are exception traffic

Packets addressed to the chassis, such as routing protocol updates, Telnet sessions, pings, traceroutes, and replies to traffic sourced from the RE;

- IP packets with the IP options field (options in the packet's IP header are rarely seen, but the PFE was purposely designed not to handle IP options; packets with IP options must be sent to the RE for processing); and
- Traffic that requires the generation of Internet Control Message Protocol (ICMP) messages.

NEW QUESTION 10

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 11

You enable unicast reverse path forwarding on the ge-0/0/1.0 interface. A packet is received on the ge-0/0/1.0 interface with a source address of 10.10.10.10. A route lookup determines that the next hop for the 10.10.10.10 address is the ge-0/0/1.0 interface. In this scenario which action is performed?

- A. The packet is logged
- B. The packet is forwarded
- C. The packet is rejected
- D. The packet is discarded

Answer: B

Explanation:

<https://www.juniper.net/documentation/us/en/software/junos/security-services/topics/topic-map/interfaces-confi>

NEW QUESTION 14

The IP address 10.1.1.1 belongs to which class of IP address space?

- A. Class A
- B. Class B
- C. Class C
- D. Class D

Answer: A

NEW QUESTION 19

Which set of IP addresses are in the same subnet?

- A. 185.114.16.91/28 and 185.114.16.96/28
- B. 185.114.16.77/28 and 185.114.16.82/28
- C. 185.114.16.40/28 and 185.114.16.45/28
- D. 185.114.16.59/28 and 185.114.16.82/28

Answer: C

NEW QUESTION 24

Click the Exhibit button.

Exhibit

```

user@router> show interfaces fxp0
Physical interface: fxp0, Enabled, Physical link is Up
  Interface index: 8, SNMP ifIndex: 1
  Type: Ethernet, Link-level type: Ethernet, MTU: 1514, Speed: 1000mbps
  Device flags   : Present Running
  Interface flags: SNMP-Traps
  Link type      : Full-Duplex
  Current address: 00:50:56:a9:1c:b0, Hardware address: 00:50:56:a9:1c:b0
  Last flapped   : 2020-01-17 16:27:10 UTC (1w3d 23:56 ago)
    Input packets : 54054
    Output packets: 30089
  Logical interface fxp0.0 (Index 5) (SNMP ifIndex 13)
    Flags: Up SNMP-Traps Encapsulation: ENET2
    Input packets : 54054
    Output packets: 30089
    Protocol inet, MTU: 1500
    Max nh cache: 100000, New hold nh limit: 100000, Curr nh cnt: 1,
    Curr new hold cnt: 0, NH drop cnt: 0
      Flags: Sendbroadcast-pkt-to-re, Is-Primary
      Addresses, Flags: Is-Default Is-Preferred Is-Primary
        Destination: 172.25.11/24, Local: 172.25.11.1, Broadcast: 172.25.11.255
  
```

Referring to the exhibit, which two statements are true? (Choose two.)

- A. The logical interface is running IPv6.
- B. The interface is operating in full-duplex mode.
- C. The address 172.25.11.255 is the broadcast address for the logical interface.
- D. The interface MAC address has been changed from the default MAC address.

Answer: BC

NEW QUESTION 28

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

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

Answer: BD

NEW QUESTION 31

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 33

Which statement about the show chassis hardware Command is correct?

- A. The command provides a list of installed hardware components, including serial numbers and model numbers.
- B. The command provides a list of all current hardware utilization statistics and operational status
- C. The command provides 2 list of supported hardware components and their current operating status
- D. The command provides a list of supported hardware components and environmental thresholds.

Answer: A

NEW QUESTION 36

Referring to the exhibit.

```
[edit protocols ospf]
user@router# edit area 51 stub
[edit protocols ospf area 0.0.0.51 stub]
user@router# exit
```

what happens when you issue the exit command at the [edit protocols ospf area 0.0.0.51 stub] hierarchy level?

- A. You move one level up to the [edit protocols ospf area 0.0.0.51] hierarchy level.
- B. You exit the configuration mode.
- C. You move to the [edit] hierarchy level.
- D. You move to the most recent higher level of the [edit protocols ospf] hierarchy.

Answer: D

NEW QUESTION 39

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 is 192.168.87.125 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 41

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 44

You must recover a device by loading the rescue configuration file. In this scenario, which command will accomplish this task?

- A. {master:0}user@router> load override rescue
- B. {master:0}user@router> rollback rescue
- C. {master:0} [edit]user@router# load override rescue
- D. {master:0} [edit] user@router# rollback rescue

Answer: D

Explanation:

{master:0} [edit] user@router# rollback rescue

This command is used to load the rescue configuration file on a Junos device. The "rollback rescue" command will restore the device to a previously saved backup configuration, which is stored as a rescue configuration file. This is useful in case the current configuration becomes unavailable or if the device is unable to boot properly. The "rollback" keyword indicates that we want to restore the previous configuration and the "rescue" keyword specifies that we want to restore the rescue configuration file.

It is important to note that the correct prompt for this command is in configuration mode, indicated by "[edit]" in the prompt.

NEW QUESTION 49

What information is provided by the help topic interface ? command?

- A. It displays the administration manual for the interface command.
- B. It displays usage examples for the top-ten interface commands.
- C. It displays the available options and a brief description of usage guidelines.
- D. It displays the best options to use with the interface command regarding your current configuration.

Answer: C

NEW QUESTION 53

Which three benefits are made possible by the separation of the control plane and forwarding plane of a Junos device? (Choose three.)

- A. nonstop active routing
- B. in-service software upgrades
- C. deep packet inspection
- D. stateful firewall
- E. graceful Routing Engine switchover

Answer: ABE

Explanation:

"This architectural design also makes possible the incorporation of high availability features like graceful Routing Engine switchover (GRES), nonstop active routing (NSR), and unified in-service software upgrades (ISSUs)." <https://douran.academy/wp-content/uploads/ebooks/jnica-junos-study-guide-part1.pdf>

NEW QUESTION 55

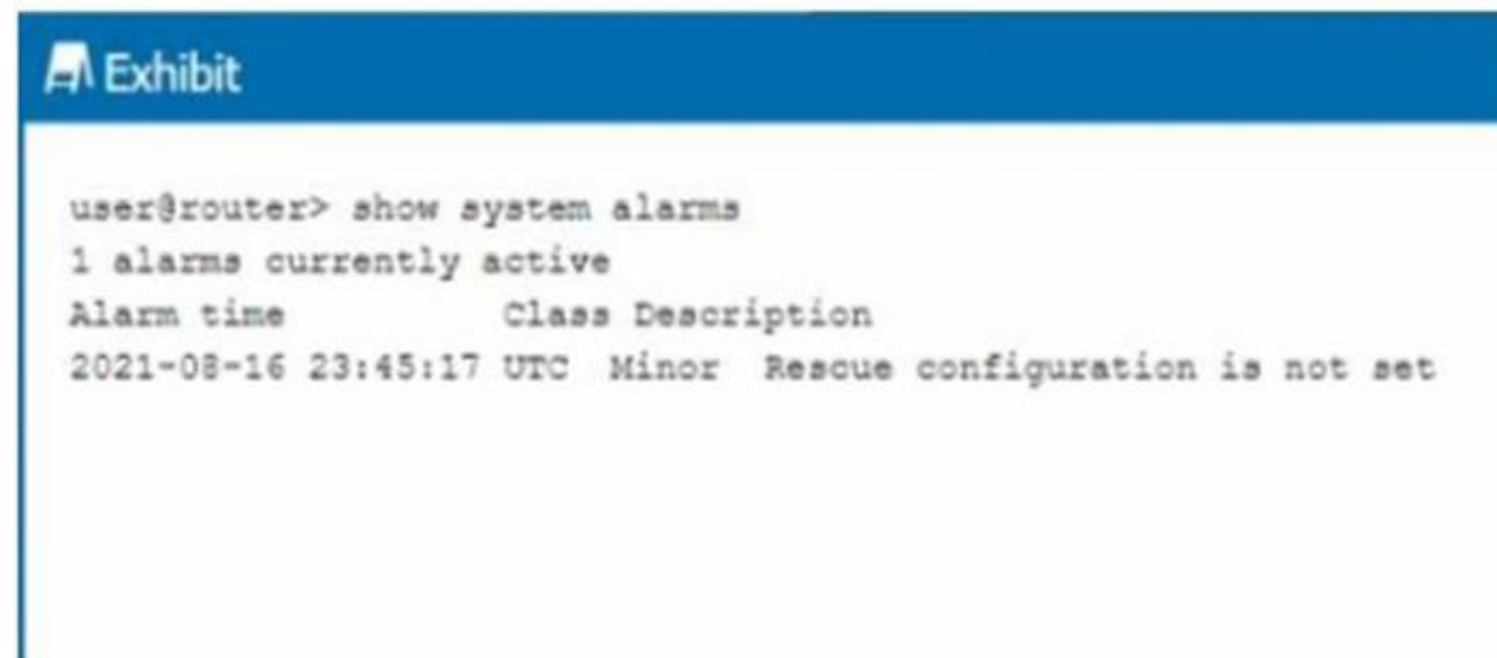
For the interface ge-1/2/3.4, what does "ge" represent?

- A. SONET/SDH
- B. Gigabit Ethernet
- C. Aggregated Ethernet
- D. GRE

Answer: B

NEW QUESTION 60

Click the Exhibit button



Which command will solve the problem shown in the exhibit?

- A. user@router# request system configuration rescue commit
- B. user@router> request system configuration rescue save
- C. user@router# file copy current /config/rescue.conf
- D. user@router> file copy current /config/rescue.conf

Answer: B

NEW QUESTION 63

Click the Exhibit button.

Exhibit

```
(edit policy-options)
user@router# show
prefix-list rfc1918 {
    10.0.0.0/8;
    172.16.0.0/12;
    192.168.0.0/16;
}
policy-statement BGP-import-policy {
    term term-1 {
        from {
            route-filter 172.16.0.0/12 orlonger;
            route-filter 10.10.0.0/16 orlonger;
        }
        then accept;
    }
    term term-2 {
        from {
            prefix-list-filter rfc1918 orlonger reject;
        }
    }
}
```

You have applied the policy shown in the exhibit as an import policy to your BGP group. In this scenario, what will happen when the router receives the 192.168.30.48/32 route?

- A. It will be sent to the default BGP policy
- B. It will match term-1 and be accepted.
- C. It will match term-2 and be accepted
- D. It will match term-2 and be rejected.

Answer: D

NEW QUESTION 66

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 68

Which two commands will provide the current configuration of the MX1-PE1 BGP group on your router? (Choose two.)

- A. user@router# show groups | display set | match MX1-PE1
- B. user@router# show | display set | match MX1-PE1
- C. user@router> show configuration | match set | match MX1-PE1
- D. user@router> show configuration | display set | match MX1-PE1

Answer: BD

NEW QUESTION 72

After logging in as root, you enter the cli 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 73

Which word starts a command to display the operational status of a Junos device?

- A. put
- B. set
- C. show
- D. get

Answer: C

NEW QUESTION 77

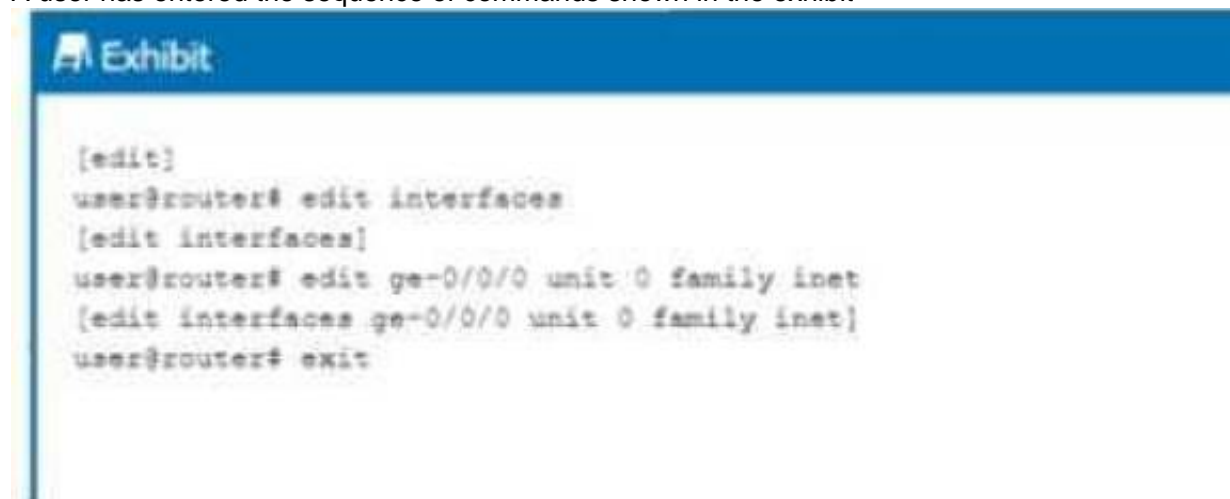
What are three characteristics of Layer 2 switches? (Choose Three)

- 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 79

A user has entered the sequence of commands shown in the exhibit



At which level of the configuration hierarchy would the user be after typing the exit command?

- A. [edit]
- B. [edit interfaces ge-0/0/0]
- C. [edit interfaces ge-0/0/0 unit 0]
- D. [edit interfaces]

Answer: D

Explanation:

```
abc# edit interfaces [edit interfaces]
abc# edit ge-0/0/1 unit 0 family inet
[edit interfaces ge-0/0/1 unit 0 family inet] abc# exit
[edit interfaces]
```

NEW QUESTION 82

Which two statements describe the functions of the Routing Engine (RE)? (Choose two.)

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

Answer: BD

NEW QUESTION 86

Which statement regarding transit traffic processing is correct?

- A. Transit traffic is processed by both the control plane and forwarding plane.
- B. Transit traffic is only processed by the control plane.
- C. Transit traffic is only processed by the forwarding plane
- D. Transit traffic is not processed by the local device.

Answer: C

NEW QUESTION 88

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

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 94

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 95

Click the Exhibit button

Exhibit					
<pre>user@router> show interfaces terse</pre>					
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 96

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://help.ui.com/hc/en-us/articles/204960094-EdgeRouter-Configuration-and-Operational-Mode#:~:text=If%20If%20you%20wish%20to%20run%20an%20Operational%20Mode%20command%20from%20while%20in%20Configuration%20Mode%2C%20use%20the%20run%20com) https://www.juniper.net/documentation/en_US/src4.10/topics/task/operational/cli-modes-switching.html

NEW QUESTION 97

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 100

Host A is communicating with Host B through a Layer 2 switch.

What is the highest layer that the switch will inspect the traffic in this scenario?

- A. Data Link
- B. Transport
- C. Network
- D. Session

Answer: A

NEW QUESTION 102

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Relate Links

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